2020-2021
EDUCATIONAL PLANNING GUIDE

DALLAS INDEPENDENT SCHOOL DISTRICT

COURSE CATALOG

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Dallas ISD High School Courses
2020-2021

How to Use This Guide

This course description guide is provided for the convenience of selecting courses for high school. Course listings follow the same order as the subject areas on the graduation program charts. Electives are listed within each subject area. The grade level indicated represents the normal progression of courses. Students may enroll for a course at a different grade level provided the prerequisite has been met. Some courses may be available only at selected campuses. Those are noted with a location code. No location indicates the course is offered at all high school campuses. All elective courses listed in this guide will be offered if enrollments are sufficient and if qualified teachers are available.

Graduation Requirements

Dallas ISD encourages completion of the Foundation Graduation Plan Distinguished Level of Achievement. Ultimately it is the student's and parents' responsibility to decide on a graduation option that best meets the student's needs and maximizes opportunities after high school. Students are automatically placed on the Distinguished Achievement Graduation Plan. Students who choose to move from the Distinguished Achievement to the Foundation Program or Foundation with the Endorsement must have parent or guardian meet with the school counselor to complete the necessary documentation. Students and parents are responsible for monitoring the successful completion of courses required for graduation.

Requirements for a Diploma for a Student Enrolled in High School Prior to the 2014-2015 School Year
To receive a high school diploma from the district, a student who was enrolled in high school prior to the 2014–2015 school year must successfully:

- Complete the required number of credits established by the state and any additional credits required by the district
- Complete any locally required courses in addition to the courses mandated by the state
- Achieve passing scores on certain end-of-course (EOC) assessments or approved substitute assessments, unless specifically waived as permitted by state law

Requirements for a Diploma Beginning with the 2014–2015 School Year
Beginning with students who enter grade nine in the 2014–2015 school year, as well as any currently enrolled high school student who decides to graduate under the Foundation Graduation Program, a student must meet the following requirements to receive a high school diploma from the district:

- Complete the required number of credits established by the state and any additional credits required by the district
- Complete any locally required courses in addition to the courses mandated by the state
- Achieve passing scores on certain EOC assessments or approved substitute assessments, unless specifically waived as permitted by state law
- Demonstrate proficiency, as determined by the district, in the specific communication skills required by the State Board of Education

STAAR E.O.C. Requirements for High School Students

High School students will be required to pass five (5) End of Course (EOC) Assessments. The 5 EOC Assessments are: English I, English II, Algebra I, Biology, and U.S. History.

GRADUATION PLANS

Students are strongly encouraged to pursue the Distinguished Achievement with Endorsement(s). The following credits must be earned for each plan:

Foundation HS Program 22 Credits	Foundation + Endorsements 26 Credits	Distinguished Level of Achievement 26 Credits
4 credits English – ELA I, II, III, one credit in any authorized advanced English course	**4 credits English** – ELA I, II, III, one credit in any authorized advanced English course	**4 credits English** – ELA I, II, III, one credit in any authorized advanced English course
3 credits Mathematics – Algebra I, Geometry, one credit in any authorized advanced math course	**4 credits Mathematics** – Algebra I, Geometry, two credits in any authorized advanced math course	**4 credits Mathematics** – Algebra I, Geometry, Algebra II, one credit in any authorized advanced math course
3 credits Science – Biology, one credit in any advanced science course, one credit in IPC or in any additional authorized advanced science course	**4 credits Science** – Biology, two credits in any advanced science course, one credit in IPC or in any additional authorized advanced science course	**4 credits Science** – Biology, two credits in any advanced science course, one credit in IPC or in any additional authorized advanced science course
3 credits Social Studies – World Geography or World History, US History, Government, Economics	**3 credits Social Studies** – World Geography or World History, US History, Government, Economics	**3 credits Social Studies** – World Geography or World History, US History, Government, Economics
2 credits Languages Other Than English	**2 credits Languages Other Than English**	**2 credits Languages Other Than English**
1 credit Physical Education	**1 credit Physical Education**	**1 credit Physical Education**
1 credit Fine Arts	**1 credit Fine Arts**	**1 credit Fine Arts**
.5 credit Health	**.5 credit Health**	**.5 credit Health**
4.5 credits in electives (may include CTE or certification courses)	**6.5 credits in electives** (may include CTE or certification courses)	**6.5 credits in electives** (may include CTE or certification courses)
	Credit requirements specific to at least one endorsement	**Credit requirements specific to at least one endorsement**

* Credit for PE courses may be earned through participation in athletics or JROTC or appropriate private or commercially sponsored physical activity programs for a maximum of four credits, or through participation in marching band, cheerleading or drill team.

Endorsements

*STEM	Business/Industry	Public Services	Arts & Humanities	Multidisciplinary
• Science • Computer Science • Engineering • Math *algebra II, chemistry & physics are required	• Agriculture, Food & Natural Resources • Architecture & Construction • Arts, A/V Tech & Comm • Business Management • Finance • Hospitality & Tourism • Information Technology • Manufacturing • Marketing • Transportation • Advanced Journalism – Newspaper & Yearbook • Public Speaking • Debate	• Education & Training • Health Science • Human Services • JROTC	• Language other than English (LOTE) • American Sign Language • Fine Arts –Art, Theatre, Dance & Music • Social Studies • English	• 4 Advanced courses in same or different endorsement area or • 4 credits in each foundation subject areas to include English 4 and Chemistry and/or Physics or • 4 credits in advanced placement or dual credit selected from English, Math, Science, Social Studies, Economics, LOTE, or Fine Arts

State Assessments Required for Graduation		Performance Acknowledgements
English I Algebra I US History	English II Biology	**Outstanding Performance:** 12 hours Dual Credit (3.0 or higher); Associate degree while in high school; Bilingualism/Biliteracy; College Board AP Exam Score of 3 or higher; outstanding performance on PSAT, ACT-PLAN, SAT, or ACT **Certification:** nationally or internationally recognized business or industry certificate or license

GRADE CLASSIFICATION OF STUDENTS

1. Students are classified once a year at the end of the school year in June. The only exception is for those students who attend summer school or those students who participate in a district program designed for grade acceleration. The classification of students who attend summer school is revised, if applicable, in August. Only seniors are reclassified when correspondence, CBE or Dual course grades are received. Also, seniors may be reclassified at the end of the 1st semester, if status will change.

2. If an error is discovered in a student's classification or if the school receives new records that reflect more or fewer credits, the counselors submit a correction immediately.

3. Classification of students is based on number of credits earned and courses completed as indicated below. There are two exceptions to this rule: students in Gifted and Talented (G/T) programs and new immigrant students. The credit and classification breakdown is published in the student handbook.

    a. Freshmen 0 - 4 credits
    b. Sophomore 5- 11 credits
    c. Junior 12 – 18 credits
    d. Senior 19+ credits

4. Classification of English Leaner Immigrant Students- Because all students receiving a diploma from an accredited Texas public school must meet the state graduation requirements, including passing all required STAAR EOC tests. A transcript evaluation will be completed for English Learner (EL) immigrant students by the Student Intake Center in collaboration with Counseling Services to determine grade level placement.

    Students who have graduated from high school in another country should not be enrolled regardless of age. Please refer these students to a post-secondary institution and/or adult ESOL classes.

5. Three-Year Graduates- Students who wish to graduate in 3 years will need to set a meeting with their school counselor preferably no later than the end of their sophomore year. Three-year graduates may be classified as seniors at the beginning of their third year of high school or beginning of second semester if they have enough credits.

CAREER AND TECHNICAL EDUCATION (CTE) PATHWAYS

Career and Technical Education (CTE) programs offer a sequence of courses that provides students with coherent and rigorous content. CTE content is aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in current or emerging professions. CTE courses are organized into clusters or pathways that encompass similar career areas.

Career and Technical Education (CTE) Programs of Study by High School Campus	CAREER CLUSTERS															
	Agriculture, Food & Natural Resources	Architecture & Construction	Arts, A/V Technology &	Business	Education & Training	Finance	Government & Public Administration	Health Science	Hospitality & Tourism	Human Services	Information Technology	Law, Public Safety, Corrections & Security	Manufacturing	Marketing	STEM	Transportation, Distribution & Logistics
Bryan Adams		CI	*	*				NAF	*		NAF/CI	*	CI	*	NAF	CI
Adamson		CI			*	NAF		NAF			CI		CI	*		CI *
Carter		CI				NAF					NAF/CI	*	CI			CI
City Lab	*	*										*				
Conrad		CI				NAF		NAF	NAF		NAF/CI		CI		NAF	CI
Hillcrest		CI		*				NAF			CI *		CI	*	NAF	CI
IDEA				*		NAF					NAF					
Jefferson		CI				NAF			NAF		CI		CI		NAF	CI
Kimball		CI		*					NAF		CI	*	CI		NAF	CI
Lincoln		CI	*	*		*			*		CI		CI		NAF	CI
Madison		CI		*							NAF/CI		CI			CI
Molina		CI *	*						*		CI	*	CI			CI
North Dallas		CI				NAF					NAF/CI		CI		NAF	CI
Obama															*	
Pinkston		CI									CI *		CI *			CI
Rangel															*	
Roosevelt		CI						NAF	*		CI		CI			CI
Samuell		*		*							NAF		*			
Sanders Public Service, Law							*					*				
School of Business/Management			*	*							*			*		
School of Health Professions								*								
School of Science & Engineering															*	
Seagoville	*		*	*							*					
Skyline	*	*	*	*	*	NAF	*	NAF	NAF	*	NAF			*	NAF	*
Smith New Tech			*													
Sorrells Education/Social Services					*					*						
South Oak Cliff		CI		*		*					NAF/CI		CI		NAF	CI
Spruce		CI				NAF					NAF/CI		CI		NAF	CI *
Sunset		CI				NAF		NAF			CI *	*	CI	*		CI
Washington for the PVA			*													
White		CI		*	*			NAF		*	NAF/CI		CI	*	NAF	CI
Wilmer-Hutchins		*		*		NAF			NAF		NAF					*
Woodrow Wilson		CI				NAF			NAF		CI		CI	*	NAF	CI
CLUSTER TOTALS	3	22	8	13	4	13	2	9	10	3	24	7	19	8	15	20

* Comprehensive Program NAF - NAF Academy Program CI - Career Institute Program

CAREER INSTITUTES

The Career Institutes Opportunity

The Dallas ISD Career Institutes provide students access to post-secondary education, training, and career pathways that may not be available on their home campus. The Career Institutes deliver a series of manageable courses, projects and experiential learning opportunities that lead to successful completion of internships, industry certifications and credentials. Each opportunity qualifies students to enter a high-demand career and earn a living wage after graduation.

The Four Career Institutes will be strategically placed in each quadrant of the city: north, south, east and west, and will each serve as a hub for the surrounding high schools. Students will take a Dallas ISD bus to the Career Institute for half a day, every other day. Students will participate in hands-on training in their Career Institute courses led by current and former leaders in each prospective industry.

The Northern, Eastern, and Southern sector Career Institutes received their first cohort of students and are scheduled to open in Fall 2020! The West sites will be determined in the upcoming years.

The Northern Career Institute service: Located at:13400 Midway Rd.

Emmett J. Conrad | Hillcrest | North Dallas | Thomas Jefferson | W.T. White

The Southern Career Institute service: Located at: 4949 Village Fair Dr.

David W. Carter | Franklin D. Roosevelt | J.F. Kimball | Moises E. Molina | South Oak Cliff | L.G. Pinkston | Sunset | W.H. Adamson

The Easthern Career Institute service: Located at: 2826 Elsie Faye Heggins St.

Woodow Wilson | Bryan Adams | Spruce | Madison | Lincoln

Cost: These pathways are **tuition free** for Dallas ISD students. Inter-campus **transportation provided.**

Supplemental Courses:

Each pathway will be infused with supplemental courses that will allow each student to experience entrepreneurship, financial literacy and computer aided design software for blueprint reading.

The Career Institutes currently offer the following pathways:

- Aviation Flight Pathway
- Electrical and Solar Technology Pathway
- Construction and Carpentry Pathway
- Interior Design Pathway
- Heating, Ventilation, Air Conditioning and Refrigeration Pathway
- Plumbing and Pipefitting Pathway
- Mechatronics/ Advanced Manufacturing Pathway
- Cybersecurity Pathway

DALLAS INDEPENDENT SCHOOL DISTRICT

Career Institutes North & South

COURSE CODES 2020-2021

Endorsement	Career Cluster	Pathway	Course Name	PEIMS Code	Dallas ISD Course Code	Grade Level	Credits	Prerequisites
Business & Industry	Transportation, Distribution & Logistics	Aviation Flight	Introduction to Aerospace and Aviation	N1304672	3112	9-11	1	None
Business & Industry	Architecture and Construction	Construction & Carpentry	Principles of Construction	13004220	7021	9-11	1	None
			Principles of Construction DL	13004220	5238	9-11	1	None
Business & Industry	Architecture and Construction	Construction & Carpentry	Construction Technology I	13005100	7396	10-12	2	None
Business & Industry	Architecture and Construction	Electrical and Solar Technology	Principles of Construction	13004220	7021	9-10	1	None
Business & Industry	Architecture and Construction	Electrical and Solar Technology	Electrical Technology I	13005600	7401	10-12	1	None
Business & Industry	Architecture and Construction	Heating, Ventilation, Air Conditioning & Refrigeration	Principles of Construction	13004220	7021	9-11	1	None
Business & Industry	Architecture and Construction	Heating, Ventilation, Air Conditioning & Refrigeration	HVAC Technology I	13005800	7404	10-12	1	None
Business & Industry	Architecture and Construction	Interior Design	Principles of Architecture	13004210	7023	9-11	1	None
Business & Industry	Architecture and Construction	Interior Design	Interior Design I	13004300	7384	10-12	1	None
Business & Industry	Architecture and Construction	Plumbing and Pipefitting	Principles of Construction	13004220	7021	9-10	1	None
Business & Industry	Architecture and Construction	Plumbing and Pipefitting	Plumbing Technology I	13006000	7406	10-12	1	None
STEM	Computer Science	Cybersecurity	Foundations of Cybersecurity	03580850	6942	9-11	1	None
STEM	Computer Science	Cybersecurity	AP Computer Science Principles (LOTE credit)	A3580300	5720	10-12	1	None
STEM	Manufacturing	Mechatronics (Industrial Robotics)	Principles of Manufacturing	13032200	7343	9-11	1	None
Elective Credit	Elective Credit	Elective Credit	Principles of Information Technology	13027200	7309	9-11	1	None
Elective Credit	Elective Credit	Elective Credit	General Employability Skills	N1270153	6167	9-12	1	None
LOTE Credit	LOTE Credit	LOTE Credit	Spanish I	03440100	3890	9-12	1	None
LOTE Credit	LOTE Credit	LOTE Credit	Spanish II	03440200	3925	9-12	1	Spanish I
LOTE Credit	LOTE Credit	LOTE Credit	German I	03420100	3675	9-12	1	None
LOTE Credit	LOTE Credit	LOTE Credit	German II	03420200	3690	9-12	1	German I
LOTE Credit or Elective Credit	LOTE Credit or Elective Credit	LOTE Credit or Elective Credit	AP Computer Science Principles (LOTE credit)	A3580300	5720	10-12	1	None

Note: Students must be scheduled for 2 credits at the Career Institutes: 1 pathway course and 1 Elective or 1 LOTE credit. Construction Technology I meets the 2 credit requirement and should be scheduled alone.

www.dallasisd.org/careerinstitutes

DALLAS INDEPENDENT SCHOOL DISTRICT | Career Institutes East

COURSE CODES 2020-2021

Endorsement	Career Cluster	Pathway	Course Name	PEIMS Code	Dallas ISD Course Code	Grade Level	Credits	Prerequisites
Business & Industry	Architecture and Construction	Construction & Carpentry	Principles of Construction	13004220	7021	9-11	1	None
			Principles of Construction DL	13004220	5238	9-11	1	None
Business & Industry	Architecture and Construction	Electrical and Solar Technology	Principles of Construction	13004220	7021	9-10	1	None
Business & Industry	Architecture and Construction	Heating, Ventilation, Air Conditioning & Refrigeration	Principles of Construction	13004220	7021	9-11	1	None
Business & Industry	Architecture and Construction	Interior Design	Principles of Architecture	13004210	7023	9-11	1	None
Business & Industry	Architecture and Construction	Plumbing and Pipefitting	Principles of Construction	13004220	7021	9-10	1	None
STEM	Computer Science	Cybersecurity	Foundations of Cybersecurity	03580850	6942	9-11	1	None
STEM	Computer Science	Cybersecurity	AP Computer Science Principles (LOTE credit)	A3580300	5720	10-12	1	None
Elective Credit	Elective Credit	Elective Credit	Principles of Information Technology	13027200	7309	9-11	1	None
Elective Credit	Elective Credit	Elective Credit	General Employability Skills	N1270153	6167	9-12	1	None
LOTE Credit	LOTE Credit	LOTE Credit	Spanish I	03440100	3890	9-12	1	None
LOTE Credit	LOTE Credit	LOTE Credit	Spanish II	03440200	3925	9-12	1	Spanish I
LOTE Credit	LOTE Credit	LOTE Credit	German I	03420100	3675	9-12	1	None
LOTE Credit	LOTE Credit	LOTE Credit	German II	03420200	3690	9-12	1	German I
LOTE Credit or Elective Credit	LOTE Credit or Elective Credit	LOTE Credit or Elective Credit	AP Computer Science Principles (LOTE credit)	A3580300	5720	10-12	1	None

Note: Students must be scheduled for 2 credits at the Career Institutes: 1 pathway course and 1 Elective or 1 LOTE credit. Construction Technology I meets the 2 credit requirement and should be scheduled alone.

www.dallasisd.org/careerinstitutes

Dallas Independent School District- Dallas County Community College District
Texas Core Curriculum Course Offerings 2020-2021

The Dallas Independent School District (DISD) has an Interlocal Agreement with the Dallas County Community College District (DCCCD), which includes a course equivalency crosswalk. The crosswalk provides a framework for outlining dual credit courses that are aligned with the Texas Higher Education Coordinating Board's Texas Core Curriculum (TCC). The TCC is a 42 Semester Credit Hour (SCH) core curriculum for all undergraduate students in Texas. The purpose of the core curriculum is to ensure that Texas undergraduate students enrolled in public institutions of higher education will develop the essential knowledge and skills they need in order to be successful in college, in a career, in their communities, and in life. There are nine Foundational Component Areas (FCA), including one Component Area Option (CAO). The CAO may provide options for students to choose additional courses from the other FCA. Below you will find DISD's course offerings designed to assist students in completing the TCC through coursework completed at any of the seven DCCCD colleges.

Foundational Component Areas	Required Semester Credit Hours	DCCCD Course Number	DCCCD Course Name	DCCCD Credit Hours	DISD Course Number	DISD Course Name	DISD Credit Hours
Communication CB010	6 SCH	ENGL 1301 ENGL 1302	Composition I Composition II	3 3	1420 1421	English III SEM 1 (DC) English III SEM 2 (DC)	0.5 0.5
Mathematics CB020	3 SCH	MATH 1314 MATH 1316 MATH 1332**	College Algebra Plane Trigonometry Contemporary Mathematics	3 3 3	2850 2851 2723 & 2724	Pre-Cal 1 (DC) SEM 1 Pre-Cal 2 (DC) SEM 2 ADV QUAN REAS 1 & 2 (DC) **	0.5 0.5 1.0
Life and Physical Science CB030	6 SCH	GEOL 1405 **OR** ENVR 1401 **AND** ENVR 1402	Environmental Science I Environmental Science I Environmental Science I	4 4 4	3131 3161 3162	Env Sys. Geo (DC) Full Year Env Systems (DC) SEM 1 Env Systems (DC) SEM 2	1.0 0.5 0.5
		BIOL 1406 BIOL 1408 CHEM 1405 CHEM 1411 PHYS 1401 PHYS 1405	Biology for Science Majors I **OR** Biology for Non-Science Majors I Introductory Chemistry I **OR** General Chemistry I College Physics I **OR** Elementary Physics I	4 4 4 4 4 4	7875	Scientific Research & Design SCRID STEM (DC) SEM 1	0.5
		BIOL 1407 BIOL 1409 CHEM 1407 CHEM 1412 PHYS 1402 PHYS 1407	Biology for Science Majors II **OR** Biology for Non-Science Majors II Introductory Chemistry II **OR** General Chemistry II College Physics II **OR** Elementary Physics II	4 4 4 4 4 4	7876	Scientific Research & Design SCRID STEM (DC) SEM 2	0.5
Language, Philosophy, and Culture CB040	3 SCH	ENGL 2322 ENGL 2332 PHIL 1301 SPAN 2311 SPAN 2312 FREN 2311 FREN 2312 CHIN 2311 CHIN 2312 JAPN 2311 JAPN 2312 GERM 2311 GERM 2312	British Literature World Literature Intro to Philosophy Intermediate Spanish I Intermediate Spanish II Intermediate French I Intermediate French II Intermediate Chinese I Intermediate Chinese II Intermediate Japanese I Intermediate Japanese II Intermediate German I Intermediate German II	3 3 3 3 3 3 3 3 3 3 3 3 3	7597 7598 2370 3967 3968 3647 3648 3998 3999 3799 3800 3710 3711	Indep. Study in Engl (DC) 1st time Indep. Study in Engl (DC) 1st time Adv. Studies SS 3 (DC) Spanish IV (DC) SEM 1 Spanish IV (DC) SEM 2 French IV (DC) SEM 1 French IV (DC) SEM 2 Chinese IV (DC) 1 Chinese IV (DC) 2 Japanese III (DC) 1 Japanese III (DC) 2 German III (DC) 1 German III (DC) 2	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5
Creative Arts CB050	3 SCH	MUSI 1306 DANC 2303 ARTS 1301 DRAM 1310 DRAM 2361	Music Appreciation Dance Appreciation Art Appreciation Introduction to Theatre History of Theater	3 3 3 3 3	8835& 8837 8878 4403 8845 8853	Mus App. I (DC) SEM 1 &2 Dance App. I (DC) SEM 1 Studio Art (DC) SEM 1 Theater I (DC) SEM 1 Theater I (DC) SEM 2	1.0 0.5 0.5 0.5 0.5
American History CB060	6 SCH	HIST 1301 HIST 1302	History of United States I History of United States II	3 3	2328 2329	U S History 1 (DC) SEM 1 U S History 2 (DC) SEM 2	0.5 0.5
Govt./ Political Science CB070	6 SCH	GOVT 2305 GOVT 2306	Federal Government Texas Government	3 3	2314 2372	U S Government (DC) 2372 SPEC TOPICS SS 4 (DC)	0.5 0.5
Social and Behavioral Sciences CB080	3 SCH	ECON 2301 ECON 2302 PSYC 2301 SOCI 1301 PHED 1304	Principles of Macroeconomics I Principles of Microeconomics I General Psychology Introduction to Sociology Personal/Community Health	3 3 3 3 3	2352 2371 2430 2438 3438	Economics (DC) Adv. Studies SS4 Intro. Psychology (DC) Intro. to Sociology (DC) Health (DC)	0.5 0.5 0.5 0.5 0.5
Component Area Option CB090	6 SCH	SPCH 1311 PHED 1164** SPAN 1411 SPAN 1412 FREN 1411 FREN 1412 CHIN 1411 CHIN 1412 JAPN 1411 JAPN 1412 GERM 1411 GERM 1412	Intro to Speech Communications Intro. to Physical Fitness & Wellness Beginning Spanish I Beginning Spanish II Beginning French I Beginning French II Beginning Chinese I Beginning Chinese II Beginning Japanese I Beginning Japanese II Beginning German I Beginning German II	3 1 4 4 4 4 4 4 4 4 4 4	1943 5200 3964 3965 3645 3646 3858 3859 3797 3798 3694 3695	Communication App. DC) PEFOUND FALL **OR** SPG (DC) ** Spanish III (DC) SEM 1 Spanish III (DC) SEM 2 French III (DC) SEM 1 French III (DC) SEM 2 Chinese III (DC) 1 Chinese III (DC) 2 Japanese II (DC) 1 Japanese II (DC) 2 German II (DC) 1 German II (DC) 2	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5

** Restricted Course- only available to ECHS/P-TECH/Collegiate Academies
Please visit https://www.dallasisd.org/dualcredit for more information.

COLLEGIATE ACADEMIES

Early College Offerings

Early college high schools and collegiate academies provide a firm academic foundation for students to pursue post-secondary education preparing them to achieve future success in a variety of careers. In addition to Early Colleges, Dallas ISD offers Pathways in Technology Early College High (P-TECH) Schools featuring dual credit programs that prepare students with the academic, technical and professional skills for 21st century jobs and continuing their education.

Dallas ISD P-TECH schools represent the best of what partnerships between schools and regional businesses and industries can look like to boost educational opportunities for young people in our city. Industry partners play an important role in giving students exposure to the world of work through site visits, job shadowing, career panels, mentorships, and hosting student interns.

	Early College Programs/ Collegiate Academies	Pathways in Technology			
		B- TECH	E- TECH	H- TECH	P- TECH
Bryan Adams					• Early Childhood • Criminal Justice
W. H. Adamson					• Internet Development Technologies • Personal Computer Support
David W. Carter					• Business • Criminal Justice • Network Administration & Support
Emmett J. Conrad				• Allied Health • Gaming • Network Administration & Support • Personal Computer Support • Software Programming	
Trinidad "Trini" Garza Early College	• Assoc. of Arts • Assoc. of Science				
Kathlyn Joy Gilliam Collegiate Academy	• Assoc. of Arts • Assoc. of Science				
Hillcrest			• Electrical Engineering • Pre-Electrical Engineering		
Kimball			• Electronics Technology w/ Advanced Manufacturing Mechatronics • Pre-Electrical Engineering		
Dr. Wright Lassiter Jr. Early College	• Assoc. of Arts • Assoc. of Science				
Lincoln		• Hospitality Management • Logistics			
James Madison					• Management • Personal Computer Support
Moises E. Molina		• Business Administration • Business			
North Dallas					• EMT Program • Software Programming
North Lake Collegiate Academy	• Assoc. of Arts • Assoc. of Science				
L. G. Pinkston				• Allied Health • Management • Network Administration & Support	

* The difference between Early Colleges and Collegiate Academies is their TEA designation.

Early College Offerings (cont.)

	Early College Programs/ Collegiate Academies	Pathways in Technology			
		B- TECH	E- TECH	H- TECH	P- TECH
Franklin D. Roosevelt				• Allied Health • Business Management • Internet Develop Technology	
W. W. Samuell	• Assoc. of Arts • Assoc. of Science				
Seagoville					• Business Administration • Personal Computer Support • Software Programming
Skyline	• Assoc. of Arts • Assoc. of Science				
South Oak Cliff					• Electronic Technology • Manufacturing • Network Administration & Support
H. Grady Spruce	• Advanced Manufacturing / Mechatronics Technology • AC & Refrigeration Technology • Computer Assisted Drafting & Design • Digital Multimedia Technology				
Sunset					• Early Childhood • Public Health
Thomas Jefferson					• Business Administration • Software Programming • Visual Communications
W. T. White		• Business/Accounting • Early Childhood Education			
Wilmer-Hutchins			• Construction Technology • Energy Management		

INTERNATIONAL BACCALAUREATE (IB) PROGRAM

The International Baccalaureate (IB) Diploma Programme (DP) is prestigious and internationally recognized for its challenging and globally focused college preparatory education. Students enrolled in the IB DP are developed to flourish physically, intellectually, emotionally, and ethically; and are better able to cope with demanding workloads, manage their time and meet the expectations placed on them. The IB Diploma Programme is currently offered at Hillcrest and Woodrow Wilson High Schools.

9th	10th	11th	12th
English I International Scholars	English II International Scholars	IB Language A: Language and Literature HL	IB Language A: Language and Literature HL
English II International Scholars	AP English III	IB Language A: Language and Literature HL	IB Language A: Language and Literature HL
Geometry International Scholars	Algebra II International Scholars	IB Math Applications SL	IB Math Applications SL or HL
Algebra I	Geometry International Scholars **and** Algebra II International Scholars	IB Math Applications SL	IB Math Applications SL or HL
Biology International Scholars	Chemistry International Scholars	IB Biology SL or IB Chemistry SL	IB Biology HL/SL or IB Chemistry HL/SL
Biology International Scholars	Chemistry International Scholars	IB Environmental Systems and Societies	Physics
AP Human Geography or PreAP World Geography	AP World History or PreAP World History	IB History of the Americas HL	IB 20th Century Topics HL (Gov't requirement embedded)
French III International Scholars	AP French IV or IB French SL	IB French SL	IB French HL
French II	French III International Scholars	IB French SL	IB French SL or HL
Spanish I	Spanish II	Spanish III International Scholars	IB Spanish SL
Spanish II	Spanish III International Scholars	IB Spanish SL	IB Spanish SL or HL
Spanish III	AP Spanish IV or IB Spanish SL	IB Spanish SL	IB Spanish HL
		IB Psychology SL	IB Psychology SL/HL
		IB Dance SL	IB Dance SL/HL
		IB Music SL	IB Music SL/HL
Art I (as a prerequisite)		IB Visual Arts SL	IB Visual Arts SL/HL
		IB Theory of Knowledge (Spring semester only)	IB Theory of Knowledge (Fall semester only)

**Course offerings may vary by campus*

INTERNATIONAL BACCALAUREATE (IB)
Middle Years Programme (MYP)

The IB Middle Years Programme encourages students to make practical connections between their studies and the real world. The MYP curriculum teaches the state standards (TEKS) through a challenging framework comprised of eight subject groups. Holistically, these subjects provide a broad and balanced education for middle school learners. Currently, the IB MYP is offered at Benjamin Franklin International Exploratory Academy, J.L. Long Middle School, and Harry Stone Montessori Academy.

Subject	Overview
Language Acquisition	Language Acquisition is the study of languages and provides insights into the features, processes and craft of language and the concept of culture. Language Acquisition guides students to the realization that there are diverse ways of living, viewing and behaving in the world.
Language and Literature	Language and Literature develops skills in listening, speaking, reading, writing, viewing, and presenting. Inquiry is at the heart of this course which provides students with opportunities to independently and collaboratively investigate, act and reflect on their learning.
Individuals and Societies	In this course, students collect, describe and analyze data used in studies of societies, test hypotheses, and learn how to interpret complex information from original source material. Students focus on real-world examples, research, and analysis.
Sciences	Science courses encourage students to investigate real examples of science application. Students discover the interconnection of science, morality, ethics, culture, economics, politics, and the environment.
Mathematics	Mathematics courses promote inquiry, application, problem solving skills that are useful beyond the classroom. Students learn how to represent information, explore and model situations, and find solutions to familiar and unfamiliar problems.
Arts	Through practice, students in the Arts acquire and master skills through creating, performing, and presenting art in a way that convey feelings, experiences, and ideas.
Physical and Health Education	In Physical and Health Education courses empower students to understand and appreciate the value of being physically active and to develop the motivation for healthy life choices.
Design	The design courses challenge students to apply practical and creative thinking skills to solve problems and take action while considering historical and contemporary contexts.

DALLAS INDEPENDENT SCHOOL DISTRICT

Middle School

Course Offerings

READING LANGUAGE ARTS COURSES

Reading Language Arts 6
Course: 9900 Grade: 6 Unit: 1

Prerequisites: *5th Grade Language Arts*

Description: This course provides instruction and practice in reading a variety of genres, writing a wide variety of compositions, and listening and speaking. Students learn grammar, usage, vocabulary, and other English language skills within the context of reading and writing. Through text-dependent reading and evidence-based writing and discussion, students will master 6th grade ELAR standards (and ELPS as applicable). Course resources include Holt Mifflin Harcourt and units found in PowerSchool.

Reading Language Arts 6 Pre-AP
Course: 9904 Grade: 6 Unit: 1

Prerequisites: *5th Grade Language Arts*

Description: This course prepares students for the rigor expected in AP courses and college and career readiness. It provides instruction and practice in reading a variety of genres, writing a wide variety of compositions, and listening and speaking. Students learn grammar, usage, vocabulary, and other English language skills within the context of reading and writing. Through text-dependent reading and evidence-based writing and discussion, students will master 6th grade ELAR standards (and ELPS as applicable). Course resources include Holt Mifflin Harcourt and units found in PowerSchool.

Reading Language Arts 6 (Sheltered)
Course: 9912 Grade: 6 Unit: 1

Prerequisites: *LPAC Recommendation*

Description: This course for all English learners who do not qualify for Reading Language Arts ESL provides instruction and practice in reading a variety of genres, writing a wide variety of compositions, and listening and speaking. Students learn grammar, usage, vocabulary, and other English language skills within the context of reading and writing. Through text-dependent reading and evidence-based writing and discussion, students will master grade level ELAR standards and the ELPS.

Reading 6
Course: 9902 Grade: 6 Unit: 1

Prerequisites: *5th Grade Reading*

Description: This course builds upon the skills of students who are at or near grade level proficiency. Students will continue their study of the ELAR standards by reading a variety of genres (including fiction and nonfiction), providing written responses to texts, and discussing texts.

Reading Mastery 6
Course: 9943 Grade: 6 Unit: 1

Prerequisites: *Students reading below the 4th grade level*

Description: This class is designed to move students to grade level proficiency in reading and to support academic speaking, listening, and text comprehension proficiencies. It also provides scaffolded lessons on text-dependent reading that integrate vocabulary, fluency, comprehension, and content with evidence-based writing.

ELA Applications and Study Skills 6
Course: 9917 Grade: 6 Unit: 1

Prerequisites: *5th grade STAAR Reading scaled score below Approaches*

Description: This course may be used as a second Reading Language Arts class to deepen conceptual development and enhance the knowledge and skills for Reading Language Arts.

Reading Language Arts 7
Course: 1000 Grade: 7 Unit: 1

Prerequisites: *Reading Language Arts 6*

Description: This course provides instruction and practice in reading a variety of genres, writing a wide variety of compositions, and listening and speaking. Students learn grammar, usage, vocabulary, and other English language skills within the context of reading and writing. Through text-dependent reading and evidence-based writing and discussion, students will master 7th grade ELAR standards (and ELPS as applicable). Course resources include Houghton Mifflin Harcourt and unit found in PowerSchool.

Reading Language Arts 7 Pre-AP
Course: 1005 Grade: 7 Unit: 1

Prerequisites: *Reading Language Arts 6 or Reading Language Arts 6 Pre-AP*

Description: This course prepares students for the rigor expected in AP courses and college and career readiness. This course provides instruction and practice in reading a variety of genres, writing a wide variety of compositions, and listening and speaking. Students learn grammar, usage, vocabulary, and other English language skills within the context of reading and writing. Through text-dependent reading and evidence-based writing and discussion, students will master 7th grade ELAR standards (and ELPS as applicable). Course resources include Houghton Mifflin Harcourt and units found in PowerSchool.

Reading Language Arts 7 (Sheltered)
Course: 1170 Grade: 7 Unit: 1

Prerequisites: *LPAC recommendation*

Description: This course for all English learners who do not qualify for Reading Language Arts ESL provides instruction and practice in reading a variety of genres, writing a wide variety of compositions, and listening and speaking. Students learn grammar, usage, vocabulary, and other English language skills within the context of reading and writing. Through text-dependent reading and evidence-based writing and discussion, students will master 7th grade ELAR standards and the ELPS.

Reading 7
Course: 1030 Grade: 7 Unit: 1

Prerequisites: *Students reading at a 5th grade level or above*

Description: This course builds upon the skills of students who are at or near grade level proficiency. Students will continue their study of the ELAR standards by reading a variety of genres (including fiction and nonfiction), providing written responses to texts, and discussing texts.

Reading Mastery 7
Course: 1015 Grade: 7 Unit: 1

Prerequisites: *Students reading below the 5th grade level*

Description: This course is designed to move students to grade level proficiency in reading and to support academic speaking, listening, and text comprehension proficiencies. It also provides scaffolded lessons on text-dependent reading that integrate vocabulary, fluency, comprehension, and content with evidence-based writing.

ELA Applications and Study Skills 7
Course: 7050 Grade: 7 Unit: 1

Prerequisites: *STAAR 6th grade Reading scaled score below Approaches*

Description: This course may be used as a second Reading Language Arts class to deepen conceptual development and enhance the knowledge and skills for Reading Language Arts.

Speech 7
Course: 1930 Grade: 7 Unit: 1

Prerequisites: *None*

Description: This course develops the skills of the five functions of expression: participating in social traditions, informing, persuading, creating, and imagining.

Reading Language Arts 8
Course: 1100 Grade: 8 Unit: 1

Prerequisites: *Reading Language Arts 7*

Description: This course provides instruction and practice in reading a variety of genres, writing a wide variety of compositions, and listening and speaking. Students learn grammar, usage, vocabulary, and other English language skills within the context of reading and writing. Through text-dependent reading and evidence-based writing and discussion, students will master 8th grade ELAR standards (and ELPS as applicable). Course resources include Houghton Mifflin Harcourt and units found in PowerSchool.

Reading Mastery 8
Course: 1115 Grade: 8 Unit: 1

Prerequisites: *Students reading below the 6th grade level*

Description: This class is designed to move students to grade level proficiency in reading and to support academic speaking, listening, and text comprehension proficiencies. It also provides scaffolded lessons on text-dependent reading that integrate vocabulary, fluency, comprehension, and content with evidence-based writing.

Reading 8
Course: 1130 Grade: 8 Unit: 1

Prerequisites: *Students reading above the 6th grade level*

Description: This course builds upon the skills of students who are at or near grade level proficiency. Students will continue their study of the ELAR standards by reading a variety of genres (including fiction and nonfiction), providing written responses to texts, and discussing texts.

ELA Applications and Study Skills 8
Course: 7052 Grade: 8 Unit: 1

Prerequisites: *STAAR 7th grade Reading scaled score below Approaches*

Description: This course may be used as a second Reading Language Arts class to deepen conceptual development and enhance the knowledge and skills for Reading Language Arts.

School Newspaper 8
Course: 7080 Grade: 8 Unit: 1

Prerequisites: *None*

Description: This course is offered as an academic elective for students who wish to apply their writing skills to journalism. Students write and edit a printed and/or virtual school newspaper and/or yearbook. Production may involve photography, layout and design, and extensive writing. Principles of desktop publishing may also be included.

Speech 8
Course: 1935 Grade: 8 Unit: 1

Prerequisites: *None*

Description: This course develops the skills of the five functions of expression: participating in social traditions, informing, persuading, creating and imagining.

Reading Language Arts 8 Pre-AP
Course: 1102 Grade: 8 Unit: 1

Prerequisites: *Reading Language Arts 7 or Reading Language Arts 7 Pre-AP*

Description: This course prepares students for the rigor expected in AP courses and college and career readiness. This course provides instruction and practice in reading a variety of genres, writing a wide variety of compositions, and listening, and speaking. Students learn grammar, usage, vocabulary, and other English language skills within the context of reading and writing. Through text-dependent reading and evidence-based writing and discussion, students will master 8th grade ELAR standards (and ELPS as applicable). Course resources include Houghton Mifflin Harcourt and units found in PowerSchool.

English I Pre-AP (High School Credit)
Course: 1199 Grade: 8 Credit: 1

Prerequisites: *Reading Language Arts 7 Pre-AP*

Description: This middle school course for high school credit requires 8th grade students to read a variety of genres, including fiction, nonfiction, poetry, and drama; to write a variety of compositions, including planning, drafting, editing, and revising based on feedback from their teacher and their peers; and to engage in listening and speaking while building academic vocabulary. Through text-dependent reading and evidence-based writing and discussion, students will master 9th grade ELAR standards (and ELPS as applicable).

Creative & Imaginative Writing (High School Credit)
Course: 1106 Grade: 8 Credit: 0.5

Prerequisites: *Reading Language Arts 7 Pre-AP*

Description: This course may only be taken by 8th graders who wish to earn a .5 elective English credit that counts towards high school graduation. Upon completion of 1106 and 1107, students will have earned 1 full high school credit. This high school course provides experience in writing in several genres. Students study literature in relevant genres as models for writing and as subjects for analysis. This course, in conjunction with Literary Genres (1107), may be taken in place of Reading Language Arts 8 Pre-AP by students who have passed the 7th grade Reading and Writing STAAR assessments.

Literary Genres (High School Credit)
Course: 1107 Grade: 8 Credit: 0.5

Prerequisites: *Reading Language Arts 7 Pre-AP*

Description: This course may only be taken by 8th graders who wish to earn a .5 elective English credit that counts towards high school graduation. Upon completion of 1106 and 1107, students will have earned 1 full high school credit. This high school course provides experience in writing in several genres. Students study literature in relevant genres as models for writing and as

subjects for analysis. This course, in conjunction with Creative and Imaginative Writing (1106), may be taken in place of Reading Language Arts 8 Pre-AP by students who have passed the 7th grade Reading and Writing STAAR assessments.

Professional Communications (High School Credit)
Course: 7146 Grade: 7-8 Credit: 1
Prerequisites: *None*

Description: Communications careers in the global economy require creative individuals with a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. In this course students develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

Professional Communications (High School Credit)
Course: 7446 Grade: 7-8 Credit: 10
Prerequisites: *None*

Description: Communications careers in the global economy require creative individuals with a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. In this course students develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

BILINGUAL ESL COURSES

Reading Language Arts 6 ESL
Course: 1074 (Beginner) Grade: 6 Unit: 1
9918 (Intermediate)

Prerequisites: *None*

Description: This course for beginner and intermediate English language learners incorporates the components of balanced literacy by providing instruction and practice in reading a variety of genres, writing a wide variety of compositions, and listening and speaking with English as a Second Language support. Students learn grammar, usage, vocabulary, and other English language skills within the context of reading and writing. Through text dependent reading and evidence-based writing and discussion, students will work towards mastery of grade level ELAR standards and the ELPS. Course content is adapted and scaffolded as appropriate for student language proficiency levels.

Reading Language Arts 7 ESL
Course: 1075 (Beginner) Grade: 7 Unit: 1
1047 (Intermediate)

Prerequisites: *None*

Description: This course for intermediate English language learners incorporate the components of balanced literacy by providing instruction and practice in reading a variety of genres, writing a wide variety of compositions, and listening and speaking with English as a Second Language support. Students learn grammar, usage, vocabulary, and other English language skills within the context of reading and writing. Through text dependent reading and evidencebased writing and discussion, students will work towards mastery of grade level ELAR standards and the ELPS. Course content is adapted and scaffolded as appropriate for student language proficiency levels.

Reading Language Arts 8 ESL
Course: 1076 (Beginner) Grade: 8 Unit: 1
1049 (Intermediate)

Prerequisites: *None*

Description: This course for intermediate English language learners incorporate the components of balanced literacy by providing instruction and practice in reading a variety of genres, writing a wide variety of compositions, and listening and speaking with English as a Second Language support. Students learn grammar, usage, vocabulary, and other English language skills within the context of reading and writing. Through text dependent reading and evidencebased writing and discussion, students will work towards mastery of grade level ELAR standards and the ELPS. Course content is adapted and scaffolded as appropriate for student language proficiency levels.

Reading 6 ESL
Course: 9920 Grade: 6 Unit: 1

Prerequisites:

Description: This course for beginner and intermediate English language learners' addresses reading comprehension, fluency, critical thinking skills,

vocabulary development, and listening and speaking skills. Students will continue their study of the ELAR standards by reading a variety of genres (including fiction and nonfiction), providing written responses to texts, and discussing texts. Course content is adapted and scaffolded as appropriate for student language proficiency levels

Reading 7 ESL
Course: 1048 Grade: 7 Unit: 1

Prerequisites:

Description: This course for beginner and intermediate English language learners' addresses reading comprehension, fluency, critical thinking skills, vocabulary development, and listening and speaking skills. Students will continue their study of the ELAR standards by reading a variety of genres (including fiction and nonfiction), providing written responses to texts, and discussing texts. Course content is adapted and scaffolded as appropriate for student language proficiency levels.

Reading 8 ESL
Course: 1060 Grade: 8 Unit: 1

Prerequisites:

Description: This course for beginner and intermediate English language learners' addresses reading comprehension, fluency, critical thinking skills, vocabulary development, and listening and speaking skills. Students will continue their study of the ELAR standards by reading a variety of genres (including fiction and nonfiction), 2019-2020 Course Description Guide- Page 6 providing written responses to texts, and discussing texts. Course content is adapted and scaffolded as appropriate for student language proficiency levels

ESL Languag Support
Course: 1065 Grade: 6-8 Unit: 1
Prerequisites:

Description: This additional English language development course for beginner and intermediate English language learners' addresses reading comprehension, fluency, critical thinking skills, vocabulary development, and listening and speaking skills. Students will continue their study of the ELAR standards by reading a variety of genres (including fiction and nonfiction), providing written responses to texts, and discussing texts. Course content is adapted and scaffolded as appropriate for student language proficiency levels.

MATHEMATICS COURSES

Math 6
Course: 9905 Grade: 6 Unit: 1

Prerequisites: *Math 5*

Description: In 6th grade mathematics, students focus on numbers and operations; proportionality; expressions, equations, and relationships; and measurement and data. In the above, students use the following: concepts, algorithms, and properties of rational numbers; concepts of proportionality; algebraic thinking; geometric properties and relationships; and statistics and data. Students will represent these relationships verbally, numerically, graphically, and symbolically.

Math 6 Pre-AP
Course: 9890 Grade: 6 Unit: 1

Prerequisites: *Math 5*

Description: Students enrolled in 6th Grade Pre-AP mathematics will learn all 6th grade mathematics standards and at most 50% of the 7th grade mathematics standards. The intent is to bundle 6th and 7th grade standards when appropriate to ensure students are adequately prepared for the grade 6 STAAR and 7th Grade Pre-AP.

Math Applications and Study Skills 6
Course: 9956 Grade: 6 Unit: 1

Prerequisites: *Concurrent with Math 6*

Description: This course may be used as a second mathematics course (local credit only) to deepen conceptual understanding and provides students with additional learning opportunities and instructional intervention focused on the grade 6 math TEKS SEs. It is the responsibility of the teacher to design an individualized curriculum and select appropriate materials for students based on student data and need. This course is for LOCAL CREDIT ONLY and is NOT intended for use to prepare for academic competitions.

Math 7
Course: 2500 Grade: 7 Unit: 1

Prerequisites: *Math 6*

Description: In 7th grade mathematics, students focus on numbers and operations; proportionality; expressions, equations, and relationships; and measurement and data. In the above, students use the following: concepts, algorithms, and properties of rational numbers; concepts of proportionality; algebraic thinking; geometric properties and relationships; functional relationships; and statistics and data. Students will represent these relationships verbally, numerically, graphically, and symbolically. The use of technology, particularly graphing technology, is a key component of this course.

Math 7 Pre-AP
Course: 2505 Grade: 7 Unit: 1

Prerequisites: *Math 6 Pre-AP*

Description: Students enrolled in 7th Grade Pre-AP mathematics will learn all 8th grade mathematics standards and at most 50% of the 7th grade mathematics standards. The intent is to bundle 7th and 8th grade standards when appropriate to ensure students are adequately prepared for the grade 8 STAAR and Algebra 1 Pre-AP. The use of technology, particularly graphing technology, is a key component of this course.

Math Applications and Study Skills 7
Course: 7054 Grade: 7 Unit: 1

Prerequisites: *Concurrent with Math 7*

Description: This course may be used as a second mathematics course (local credit only) to deepen conceptual understanding and provides students with additional learning opportunities and instructional intervention focused on the grade 7 math TEKS SEs. It is the responsibility of the teacher to design an individualized curriculum and select appropriate materials for students based on student data and need. This course is for LOCAL CREDIT ONLY and is NOT intended for use to prepare for academic competitions.

Math 8
Course: 2550 Grade: 8 Unit: 1

Prerequisites: *Math 7*

Description: In 8th grade mathematics, students focus on proportionality; expressions, equations, and relationships; and measurement and data. In the above, students use the following: concepts, algorithms, and properties of real numbers; concepts of proportionality; algebraic thinking; geometric properties and relationships; and statistics and data. Students will represent these relationships verbally, numerically, graphically, and symbolically. The use of technology, particularly graphing technology, is a key component of this course.

Math Applications and Study Skills 8
Course: 7056 Grade: 8 Unit: 1

Prerequisites: *Concurrent with Math 8*

Description: This course may be used as a second mathematics course (local credit only) to deepen conceptual understanding and provides students with additional learning opportunities and instructional intervention focused on the grade 8 math TEKS SEs. It is the responsibility of the teacher to design an individualized curriculum and select appropriate materials for students based on student data and need. This course is for LOCAL CREDIT ONLY and is NOT intended for use to prepare for academic competitions.

Algebra 1 Pre-AP
Course: 2555 Grade: 8 Credit: 1

Prerequisites: *Math 7 Pre-AP*

Description: In Algebra I, students will build on the knowledge and skills for mathematics in Grades 6-8, which provide a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations. Students enrolled in Algebra I Pre-AP will learn all Algebra I standards, but at a higher level of rigor. The intent is to ensure students are adequately prepared for the Algebra I EOC, Geometry Pre-AP, and Algebra II PreAP.

Geometry (Grade 08 Only)
Course: 2549 Grade: 8 Credit: 1

Prerequisites: *Algebra 1 Pre-AP MS (as a pre-requisite or for concurrent enrollment)*

Description: In Geometry, students will build on the knowledge and skills for mathematics in Kindergarten – Grade 8 and Algebra I to strengthen their mathematical reasoning skills in geometric contexts. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Students enrolled in Geometry I Pre-AP will learn all Geometry standards, but at a higher level of rigor. The intent is to ensure students are adequately prepared for Algebra II Pre-AP and Precalculus Pre-AP.

SCIENCE COURSES

Science 6
Course: 9906 Grade: 6 Unit: 1

Prerequisites: *SCIENCE 5*

Description: This course addresses all grade 6 science TEKS SEs. In grade 6, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. The grade 6 science course is interdisciplinary with a content focus on matter and energy; force, motion, and energy; Earth and space; and organisms and environments. Scientific investigation and reasoning skills (process standards) including safe practices as outlined in the Texas Safety Standards are integrated into the content.

Dual Language- Science 6
Course: 3019 Grade: 6 Unit: 1

Prerequisites: *SCIENCE 5*

Description: This course is for dual language campuses and addresses all grade 6 science TEKS SEs. In grade 6, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. The grade 6 science course is interdisciplinary with a content focus on matter and energy; force, motion, and energy; Earth and space; and organisms and environments. Scientific investigation and reasoning skills (process standards) including safe practices as outlined in the Texas Safety Standards are integrated into the content.

Science 6 (Sheltered)
Course: 9910 Grade: 6 Unit: 1

Prerequisites: *Science 5 (LEP Students Only)*

Description: This course addresses all grade 6 science TEKS SEs. In grade 6, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. The grade 6 science course is interdisciplinary with a content focus on matter and energy; force, motion, and energy; Earth and space; and organisms and environments. Scientific investigation and reasoning skills (process standards) including safe practices as outlined in the Texas Safety Standards are integrated into the content. Sheltered courses provide accommodations for English learners through EL teaching strategies, but the course content is not modified. This course covers the same concepts, knowledge, and skills covered in the general curriculum (course #9906).

Science 6 Pre-AP
Course: 9895 Grade: 6 Unit: 1

Prerequisites: *Science 5*

Description: This course is designed for middle school students who demonstrate excellence in science achievement. It addresses the grade 6 and some of the grade 7 science TEKS SEs. In grade 6, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. The grade 6 Pre--AP science course is interdisciplinary with a content focus on matter and energy; force, motion, and energy; Earth and space; and organisms and environments. Scientific investigation and reasoning skills (process standards) including safe practices as outlined in the Texas Safety Standards are integrated into the content. Students enrolled in this course will take the grade 6 Science Pre--AP ACP test. It is expected that students who enroll in, and successfully complete this course, will enroll in Science 7 Pre--AP during their grade 7 school year and Astronomy or Physics for high school credit during their grade 8 school year.

Dual Language- Science 6 Pre-AP
Course: 3020 Grade: 6 Unit: 1

Prerequisites: *Science 5*

Description: This course is for dual language campuses and is designed for middle school students who demonstrate excellence in science achievement. It addresses the grade 6 and some of the grade 7 science TEKS SEs. In grade 6, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. The grade 6 Pre--AP science course is interdisciplinary with a content focus on matter and energy; force, motion, and energy; Earth and space; and organisms and environments. Scientific investigation and reasoning skills (process standards) including safe practices as outlined in the Texas Safety Standards are integrated into the content. Students enrolled in this course will take the grade 6 Science Pre--AP ACP test. It is expected that students who enroll in, and successfully complete this course, will enroll in Science 7 Pre--AP during their grade 7 school year and Astronomy or Physics for high school credit during their grade 8 school year.

Science Application and Study Skills 6
Course: 9937 Grade: 6 Unit: 1

Prerequisites: *Concurrent with Science 6 or Science 6 - Sheltered*

Description: This course may be used as a second science course (local credit only) to deepen conceptual understanding and provides students who need instructional intervention with additional learning opportunities focused on the grade 6 science TEKS SEs. It is the responsibility of the teacher to design an individualized curriculum and select appropriate materials for students based on student data and need. This course is for local credit only and is NOT intended for use to prepare for decathlon competitions or Science & Engineering Fair competitions.

Science 7
Course: 3010 Grade: 7 Unit: 1

Prerequisites: *Science 6 or Science 6 - Sheltered*

Description: This course addresses all grade 7 science TEKS SEs. In grade 7, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. The grade 7 science course is interdisciplinary with an emphasis on organisms and the environment as well as content over matter and energy; force, motion, and energy; and Earth and space. Scientific investigation and reasoning skills (process standards) including safe practices as outlined in the Texas Safety Standards are integrated into the content, as well as the appropriate use and conservation of resources.

Dual Language- Science 7
Course: 3021 Grade: 7 Unit: 1

Prerequisites: *Science 6 or Science 6 - Sheltered*

Description: This course is for dual language campuses and addresses all grade 7 science TEKS SEs. In grade 7, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. The grade 7 science course is interdisciplinary with an emphasis on organisms and the environment as well as content over matter and energy; force, motion, and energy; and Earth and space. Scientific investigation and reasoning skills (process standards) including safe practices as outlined in the Texas Safety Standards are integrated into the content, as well as the appropriate use and conservation of resources.

Science 7 (Sheltered)
Course: 3012 Grade: 7 Unit: 1

Prerequisites: *Science 6 (LEP Students Only)*

Description: This course addresses all grade 7 science TEKS SEs. In grade 7, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. This science course is interdisciplinary with an emphasis on organisms and the environment as well as content over matter and energy; force, motion, and energy; and Earth and space. Scientific investigation and reasoning skills (process standards) including safe practices as outlined in the Texas Safety Standards are integrated into the content, as well as the appropriate use and conservation of resources. Sheltered courses provide accommodations for English learners through EL teaching strategies, but the course content is not modified. This course covers the same concepts, knowledge, and skills covered in the general curriculum (course #3010).

Science 7 Pre-AP
Course: 3008 Grade: 7 Unit: 1

Prerequisites *Science 6 Pre-AP*

Description: This course is designed for middle school students who demonstrate excellence in science

achievement. It addresses the remaining grade 7 science TEKS SEs that were not covered in Science 6 Pre--AP and all of the grade 8 science TEKS SEs. The grade 7 Pre--AP science course is interdisciplinary with content focusing on matter and energy; force, motion, and energy; Earth and space; and organisms and the environment. Scientific investigation and reasoning skills (process standards) including safe practices as outlined in the Texas Safety Standards are integrated into the content, as well as the appropriate use and conservation of resources. Students in this course will take the Science 7 Pre--AP ACP test as well as the STAAR Science Grade 8 test. It is expected that students who enroll in, and successfully complete this course, will enroll in Astronomy or Physics for high school credit during their grade 8 school year.

Dual Language- Science 7 Pre-AP

Course: 3022 Grade: 7 Unit: 1

Prerequisites: *Science 6 Pre-AP*

Description: This course is for dual language campuses and is designed for middle school students who demonstrate excellence in science achievement. It addresses the remaining grade 7 science TEKS SEs that were not covered in Science 6 Pre--AP and all of the grade 8 science TEKS SEs. The grade 7 Pre--AP science course is interdisciplinary with content focusing on matter and energy; force, motion, and energy; Earth and space; and organisms and the environment. Scientific investigation and reasoning skills (process standards) including safe practices as outlined in the Texas Safety Standards are integrated into the content, as well as the appropriate use and conservation of resources. Students in this course will take the Science 7 Pre--AP ACP test as well as the STAAR Science Grade 8 test. It is expected that students who enroll in, and successfully complete this course, will enroll in Astronomy or Physics for high school credit during their grade 8 school year.

Science Application and Study Skills 7

Course: 9897 Grade: 7 Unit: 1

Prerequisites: *Concurrent with Science 7 or Science 7 - Sheltered*

Description: This course may be used as a second science course (local credit only) to deepen conceptual understanding and provides students who need instructional intervention with additional learning opportunities focused on the grade 7 science TEKS SEs. It is the responsibility of the teacher to design an individualized curriculum and select appropriate materials for students based on student data and need. This course is for local credit only and is NOT intended for use to prepare for decathlon competitions or Science & Engineering Fair competitions.

Science 8

Course: 3014 Grade: 8 Unit: 1

Prerequisites: *Science 7 or Science 7 - Sheltered*

Description: This course addresses all grade 8 science TEKS SEs. In grade 8, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. The grade 8 science course is interdisciplinary with content focusing on matter and energy; force, motion, and energy; Earth and space; and organisms and environments. Scientific investigation and reasoning skills (process standards) including safe practices as outlined in the Texas Safety Standards are integrated into the content, as well as the appropriate use and conservation of resources.

Dual Language- Science 8

Course: 3018 Grade: 8 Unit: 1

Prerequisites: *Science 7 or Science 7 - Sheltered*

Description: This course is for dual language campuses and addresses all grade 8 science TEKS SEs. In grade 8, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. The grade 8 science course is interdisciplinary with content focusing on matter and energy; force, motion, and energy; Earth and space; and organisms and environments. Scientific investigation and reasoning skills (process standards) including safe practices as outlined in the Texas Safety Standards are integrated into the content, as well as the appropriate use and conservation of resources.

Science 8 (Sheltered)

Course: 3016 Grade: 8 Unit: 1

Prerequisites: *Science 7 (LEP Students Only)*

Description: This course addresses all grade 8 science TEKS SEs. In grade 8, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. The grade 8 science course is interdisciplinary with content focusing on matter and energy; force, motion, and energy; Earth and space; and organisms and environments. Scientific investigation and reasoning skills (process standards) including safe

practices as outlined in the Texas Safety Standards are integrated into the content, as well as the appropriate use and conservation of resources. Sheltered courses provide accommodations for English learners through EL teaching strategies, but the course content is not modified. This course covers the same concepts, knowledge, and skills covered in the general curriculum (course #3014).

Science Application and Study Skills Grade 8

Course: 9898 Grade: 8 Unit: 1

Prerequisites: *Concurrent with Science 8 or Science 8 - Sheltered*

Description: This course may be used as a second science course (local credit only) to deepen conceptual understanding and provides students with additional learning opportunities and instructional intervention focused on the grade 8 science TEKS SEs. It is the responsibility of the teacher to design an individualized curriculum and select appropriate materials for students based on student data and need. This course is for local credit only and is NOT intended for use to prepare for decathlon competitions or Science & Engineering Fair competitions.

Astronomy (High School Credit)

Course: 3011 Grade: 8 Credit: 1

Prerequisites: *Students should receive instruction in 100% of all middle school Science TEKS for grades 6, 7, and 8 before enrolling in this course*

Description: This course is recommended for students who have completed grade 7 Pre--AP science including the grade 8 science TEKS and the grade 8 science STAAR. This course addresses all of the Astronomy TEKS SEs and may be taken for high school credit in grade 8. This course includes at least 40% of instructional time for conducting laboratory and field investigations. This course includes the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content.

Sheltered Astronomy (High School Credit)

Course: 3026 Grade: 8 Credit: 1

Prerequisites: *Students should receive instruction in 100% of all middle school Science TEKS for grades 6, 7, and 8 before enrolling in this course*

Description: This course is recommended for students who have completed grade 7 Pre--AP science including the grade 8 science TEKS and the grade 8 science STAAR. This course addresses all of the Astronomy TEKS SEs and may be taken for high school credit in grade 8. This course includes at least 40% of instructional time for conducting laboratory and field investigations. This course includes the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content. Sheltered courses provide accommodations for English learners through EL teaching strategies, but the course content is not modified. This course covers the same concepts, knowledge, and skills covered in the general curriculum (course 3011).

Dual Language- Astronomy (High School Credit)

Course: 3023 Grade: 8 Credit: 1

Prerequisites: *Students should receive instruction in 100% of all middle school Science TEKS for grades 6, 7, and 8 before enrolling in this course*

Description: This course is for dual language campuses and is recommended for students who have completed Grade 7 Pre--AP science including the Grade 8 science TEKS and the Grade 8 science STAAR. This course addresses all of the Astronomy TEKS SEs and may be taken for high school credit in grade 8. This course includes at least 40% of instructional time for conducting laboratory and field investigations. This course includes the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content.

Physics Pre-AP (High School Credit)
Course: 2973 Grade: 8 Credit: 1

Prerequisites: *Students should receive instruction in 100% of all middle school Science TEKS for grades 6, 7, and 8 before enrolling in this course*

Suggested Prerequisites: Algebra I is suggested as a prerequisite or corequisite

Description: This course is recommended for students who have completed grade 7 Pre--AP science including the grade 8 science TEKS and the grade 8 science STAAR. This course addresses all Physics TEKS SEs and may be taken for high school credit in grade 8. This course includes at least 40% of instructional time for conducting laboratory and field investigations. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. It provides a conceptual framework, factual knowledge, and analytical and scientific skills. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content. This course extends the physics concepts found in the TEKS and SEs with an emphasis on preparing students to take AP Physics.

Dual Language- Physics Pre-AP (High School Credit)
Course: 2970 Grade: 8 Credit: 1

Prerequisites: *Students should receive instruction in 100% of all middle school Science TEKS for grades 6, 7, and 8 before enrolling in this course*

Suggested Prerequisites: Algebra I is suggested as a prerequisite or corequisite

Description: This course is recommended for students who have completed grade 7 Pre--AP science including the grade 8 science TEKS and the grade 8 science STAAR. This course addresses all Physics TEKS SEs and may be taken for high school credit in grade 8. This course includes at least 40% of instructional time for conducting laboratory and field investigations. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. It provides a conceptual framework, factual knowledge, and analytical and scientific skills. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content. This course extends the physics concepts found in the TEKS and SEs with an emphasis on preparing students to take AP Physics. Students are provided opportunities to transfer language from Spanish to English using specialized vocabulary enrichment.

Sheltered Physics Pre-AP (High School Credit)
Course: 2976 Grade: 8 Credit: 1

Prerequisites: *Students should receive instruction in 100% of all middle school Science TEKS for grades 6, 7, and 8 before enrolling in this course*

Suggested Prerequisites: Algebra I is suggested as a prerequisite or corequisite

Description: This course is recommended for students who have completed Grade 7 Pre--AP science including the Grade 8 science TEKS and the Grade 8 science STAAR. This course addresses all Physics TEKS SEs and may be taken for high school credit in grade 8. This course includes at least 40% of instructional time for conducting laboratory and field investigations. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. It provides a conceptual framework, factual knowledge, and analytical and scientific skills. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content. This course extends the physics concepts found in the TEKS and SEs with an emphasis on preparing students to take AP Physics. Sheltered courses provide accommodations for English learners through EL teaching strategies, but the course content is not modified. This course covers the same concepts, knowledge, and skills covered in the general curriculum (course 2973).

SOCIAL STUDIES COURSES

Contemporary World Cultural Studies
Course: 9907 Grade: 6 Unit: 1

Prerequisites: *None*

Description: This required course emphasizes an integrative approach to the teaching of geography through world cultures. Students are challenged to

construct answers to political, economic, geographic and social issues faced by contemporary countries through a case study approach. Students describe the influence of individuals and groups on historical and contemporary events in those societies and identify the locations and geographic characteristics of various societies.

Contemporary World Cultural Studies Pre--AP

Course: 9896 Grade: 6 Unit: 1

Prerequisites: *None*

Description: This course emphasizes an integrative approach to the teaching of geography through world cultures. Students are challenged to construct answers to political, economic, geographic and social issues faced by contemporary countries through a case study approach. Students describe the influence of individuals and groups on historical and contemporary events in those societies and identify the locations and geographic characteristics of various societies. Pre- AP will include: free response questions, document based questions (persuasive and compare/contrast), image analysis, low and high stakes writing to accelerate the curriculum by adding depth and complexity.

Texas Studies

Course: 2000 Grade: 7 Unit: 1

Prerequisites: *None*

Description: This required course emphasizes an integrative approach to the teaching of history, geography, government, economics, culture, science, and technology. The content, as appropriate for the grade level or course, enables students to understand the importance of patriotism, function in a free enterprise society, and appreciate the basic democratic values of our state and nation.

Texas Studies Pre-AP

Course: 2002 Grade: 7 Unit: 1

Prerequisites: *None*

Description: This required course emphasizes an integrative approach to the teaching of history, geography, government, economics, culture, science, and technology. The focus in each era is on key individuals, events, and issues and their impact. Emphasis is placed on evaluative thinking skills, essay writing, and developing analytical skills necessary to interpret historical events. The content, as appropriate for the grade level or course, enables students to understand the importance of patriotism, function in a free enterprise society, and appreciate the basic democratic values of our state and nation. Pre- AP will include: free response questions, document based questions (persuasive and compare/contrast), image analysis, low and high stakes writing to accelerate the curriculum by adding depth and complexity.

U.S. Studies 8

Course: 2050 Grade: 8 Unit: 1

Prerequisites: *None*

Description: This required course emphasizes an integrative approach to the teaching of U.S. History (Colonization through Reconstruction), with an emphasis on geography, government, economics, culture, science, and technology. Emphasis is placed on evaluative thinking skills, essay writing, and developing analytical skills necessary to interpret historical events. Students understand that a constitutional republic is a representative form of government whose representatives derive their authority from the consent of the governed, serve for an established tenure, and are sworn to uphold the constitution.

U.S. Studies 8 Pre-AP

Course: 2055 Grade: 8 Unit: 1

Prerequisites: *None*

Description: This required course emphasizes an integrative approach to the teaching of U.S. History (Colonization through Reconstruction), with an emphasis on geography, government, economics, culture, science, and technology. Emphasis is placed on evaluative thinking skills, essay writing, and developing analytical skills necessary to interpret historical events. Students understand that a constitutional republic is a representative form of government whose representatives derive their authority from the consent of the governed, serve for an established tenure, and are sworn to uphold the constitution. Pre- AP will include: free response questions, document based questions (persuasive and compare/contrast), image analysis, low and high stakes writing to accelerate the curriculum by adding depth and complexity.

World Geography Studies (High School Credit)
Course: 2114 Grade: 8 Credit: 1

Prerequisites: *Contemporary World Cultural Studies 6*

Description: This course emphasizes the interaction of people and culture with their physical environments in the major regions of the world. Students describe the influence of geography on events of the past and present with emphasis on contemporary issues.

Economics (High School Credit)
Course: 2309 Grade: 8 Credit: 1

Prerequisites: *None*

Description: Students will investigate the concepts of specialization and international trade, economic growth, key economic measurements, and monetary and fiscal policy. Students will study the roles of the Federal Reserve System and other financial institutions, government, and businesses in a free enterprise system. This course emphasizes the study of national income and price determination, and covers economic performance measures, economic growth, international economics and personal financial literacy.

U.S. Government (High School Credit)
Course: 2311 Grade: 8 Credit: 1

Prerequisites: *None*

Description: This course involves both the study of general concepts used to interpret U.S. government and politics, as well as the analysis of specific case studies. This course is the culmination of the civic and governmental content and concepts studied from Kindergarten through required secondary courses. Students learn major political ideas and forms of government in history. The course requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality.

DYSLEXIA COURSES

Dyslexia MS (Fall)
Course: 1033 Grade: 6-8 Unit: 0.5

Prerequisites: *None*

Description: Students within this General Education course are identified students with Dyslexia through either Section 504 (services are determined by the Section 504 committee) or Special Education (services are determined by the ARD Committee) who have not completed Dyslexia Programming. To determine if programming has been completed, please see your campus' Dyslexia Interventionist or Special Education Case Manager for more information.Wilson Reading System and/or a District Approved Dyslexia Program: This instructor led program must be taught by a certified teacher who has attended program training. The program includes direct and systemic instruciton that teach reading and spelling with a strong empahsis on intensive phonics and alphabetics code knowledge. The multisensory lesons target instructional compenents which include both explicit and systemic instruciton in phonemic awareness, phonics, vocabulary, comprehension and spelling. NOTE: This course counts as a local credit. No grades collected. Attendance collected. Counts as instructional minutes.

Dyslexia MS (Spring)
Course: 1034 Grade: 6-8 Unit: 0.5

Prerequisites: *None*

Description: Students within this General Education course are identified students with Dyslexia through either Section 504 (services are determined by the Section 504 committee) or Special Education (services are determined by the ARD Committee) who have not completed Dyslexia Programming. To determine if programming has been completed, please see your campus' Dyslexia Interventionist or Special Education Case Manager for more information. Wilson Reading System and/or a District Approved Dyslexa Program: This instructor led program must be taught by a certified teacher who has attended program training. The program includes direct and systemic instruciton that teach reading and spelling with a strong empahsis on intensive phonics and alphabetics code knowledge. The multisensory lessons target instructional compenents which include both explicit and systemic instruciton in phonemic awareness, phonics, vocabulary, comprehension and spelling. NOTE: This course counts as

a local credit. No grades collected. Attendance collected. Counts as instructional minutes.

MODIFIED COURSES FOR STUDENTS SERVED BY SPECIAL EDUCATION

Reading Language Arts 6 Basic
Course: 9735 Grade: 6 Unit: 1

Prerequisites: *ARD Recommendation*

Description: These classes provide instruction and practice in reading a variety of genres, writing a wide variety of compositions, listening and speaking at higher levels each year. Students complete research projects that require them to understand and evaluate a variety of textual and visual materials. They learn grammar, usage, vocabulary, and other English language skills within the context of reading and writing. This course could be instructed in the general education environment or the special education environment and will have extensive content modifications which will be determined by the student's Individualized Education Program (IEP).

Reading Language Arts 7 Basic
Course: 9705 Grade: 7 Unit: 1

Prerequisites: *ARD Recommendation*

Description: These classes provide instruction and practice in reading a variety of genres, writing a wide variety of compositions, listening and speaking at higher levels each year. Students complete research projects that require them to understand and evaluate a variety of textual and visual materials. They learn grammar, usage, vocabulary, and other English language skills within the context of reading and writing. This course could be instructed in the general education environment or the special education environment and will have extensive content modifications which will be determined by the student's Individualized Education Program (IEP).

Reading Language Arts 8 Basic
Course: 9735 Grade: 8 Unit: 1

Prerequisites: *ARD Recommendation*

Description: These classes provide instruction and practice in reading a variety of genres, writing a wide variety of compositions, listening and speaking at higher levels each year. Students complete research projects that require them to understand and evaluate a variety of textual and visual materials. They learn grammar, usage, vocabulary, and other English language skills within the context of reading and writing. This course could be instructed in the general education environment or the special education environment and will have extensive content modifications

Reading 6 Basic
Course: 9963 Grade: 6 Unit: 1

Prerequisites: *ARD Recommendation*

Description: These classes provide instruction and practice in reading a variety of genres, writing a wide variety of compositions, listening and speaking at higher levels each year. Students complete research projects that require them to understand and evaluate a variety of textual and visual materials. They learn grammar, usage, vocabulary, and other English language skills within the context of reading and writing. This course could be instructed in the general education environment or the special education environment and will have extensive content modifications which will be determined by the student's Individualized Education Program (IEP).

Reading Basic 7
Course: 9711 Grade: 7 Unit: 1

Prerequisites: *ARD Recommendation*

Description: These classes provide instruction and practice in reading a variety of genres, writing a wide variety of compositions, listening and speaking at higher levels each year. Students complete research projects that require them to understand and evaluate a variety of textual and visual materials. They learn grammar, usage, vocabulary, and other English language skills within the context of reading and writing. This course could be instructed in the general education environment or the special education environment and will have extensive content modifications which will be determined by the student's Individualized Education Program (IEP).

Reading Basic 8
Course: 9739 Grade: 8 Unit: 1

Prerequisites: *ARD Recommendation*

Description: These classes provide instruction and practice in reading a variety of genres, writing a wide variety of compositions, listening and speaking at higher levels each year. Students complete research projects that require them to understand and evaluate a variety of textual and visual materials. They learn grammar, usage, vocabulary, and other English language skills within the context of reading and writing. This course could be instructed in the general education environment or the special education environment and will have extensive content modifications which will be determined by the student's Individualized Education Program (IEP).

Functional Reading Language Arts 6
Course: 9962 Grade: 6 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Functional Academics RLA 6 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access and participate in grade level TEKS through activities that focus on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's Individualized Education Program (IEP).

Functional Reading Language Arts 7
Course: 9701 Grade: 7 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Functional Academics RLA 7 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access and participate in grade level TEKS through activities that focus on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's Individualized Education Program (IEP).

Functional Reading Language Arts 8
Course: 9162 Grade: 8 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Functional Academics RLA 8 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access and participate in grade level TEKS through activities that focus on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's Individualized Education Program (IEP).

Functional Communication Skills 6
Course: 9965 Grade: 6 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Functional Communication Skills 6 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access, participate, and integrate level TEKS through activities that focus on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's Individualized Education Program (IEP).

Functional Communication Skills 7
Course: 9101 Grade: 7 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Functional Communication Skills 7 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access participate, and integrate-level TEKS through activities that focus on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative

developmental content determined by the student's Individualized Education Program (IEP).

Functional Communication Skills 8

Course: 9102 Grade: 8 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Functional Communication Skills 8 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access participate, and integrate-level TEKS through activities that focus on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's Individualized Education Program (IEP).

Math 6 Basic

Course: 9966 Grade: 6 Unit: 1

Prerequisites: *ARD Recommendation*

Description: This course addresses all grade 6 TEKS and focuses on using ratios to describe proportional relationships involving number, geometry, measurement, and probability and adding and subtracting decimals and fractions. This course could be instructed in the general education environment or the special education environment and will have extensive content modifications which will be determined by the student's Individualized Education Program (IEP).

Math 7 Basic

Course: 9708 Grade: 7 Unit: 1

Prerequisites: *ARD Recommendation*

Description: This course addresses all grade 7 TEKS focusing on using proportional relationships in number, geometry, measurement and probability; applying operations of decimals, fractions, and integers; and using statistical measures to describe data. This course could be instructed in the general education environment or the special education environment and will have extensive content modifications which will be determined by the student's Individualized Education Program (IEP).

Math 8 Basic

Course: 9744 Grade: 8 Unit: 1

Prerequisites: *ARD Recommendation*

Description: This course addresses all grade 8 TEKS focusing on using basic principles of algebra to analyze and represent proportional and nonproportional relationships and using probability to describe data and make predictions. This course could be instructed in the general or special education environment and will have extensive content modifications which will be determined by the student's Individualized Education Program (IEP).

Functional Academics Math 6

Course: 9968 Grade: 6 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Functional Academics Math 6 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access and participate in grade level TEKS through activities that focus on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's individualized Education Program (IEP).

Functional Academics Math 7

Course: 9163 Grade: 7 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Functional Academic Math 7 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access and participate in grade-level TEKS through activities focusing on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's Individualized Education Program (IEP).

Functional Academics Math 8
Course: 9164 Grade: 8 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Functional Academics Math 8 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access and participate in grade level TEKS through activities focusing on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's IEP.

Fundamentals of Science 6
Course: 9977 Grade: 6 Unit: 1

Prerequisites: *ARD Recommendation*

Description: This course includes conducting field and laboratory investigations using scientific methods, analyzing data, making informed decisions, and using tools such as microscopes, beakers, test tubes, and spring scales to collect, analyze, and record information. Students also use computers and information technology tools to support scientific investigations. This course could be instructed in the general or special education environment and will have extensive content modifications which will be determined by the student's Individualized Education Program (IEP).

Fundamentals of Science 7
Course: 9620 Grade: 7 Unit: 1

Prerequisites: *ARD Recommendation*

Description: In Grade 7, the study of science includes conducting field and laboratory investigations using scientific methods, critical thinking, problem solving, and using tools such as weather instruments and calculators to collect and analyze information to explain a phenomenon. Students also use computers and information technology tools to support scientific investigations. This course could be instructed in the general or special education environment and will have extensive content modifications which will be determined by the student's Individualized Education Program (IEP).

Fundamentals of Science 8
Course: 9621 Grade: 8 Unit: 1

Prerequisites: *ARD Recommendation*

Description: In Grade 8, the study of science includes planning and conducting field and laboratory investigations using scientific methods, analyzing data, critical thinking, scientific problem solving and using tools, such as telescopes to collect and analyze information. Students also use computers and information technology tools to support scientific investigations. This course could be instructed in the general or special education environment and will have extensive content modifications which will be determined by the student's Individualized Education Program (IEP).

Basic Health & Grooming 6
Course: 9990 Grade: 6 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Basic Health & Grooming 6 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access and participate in grade level TEKS through activities that focus on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's Individualized Education Program (IEP).

Basic Health & Grooming 7
Course: 9108 Grade: 7 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Basic Health & Grooming 7 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access and participate in grade level TEKS through activities that focus on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's Individualized Education Program (IEP).

Basic Health & Grooming 8
Course: 9128 Grade: 8 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Basic Health & Grooming 8 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access and participate in grade level TEKS through activities that focus on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's IEP.

Contemporary World Cultures Basic 6
Course: 9995 Grade: 6 Unit: 1

Prerequisites: *ARD Recommendation*

Description: This required course emphasizes an integrative approach to the teaching of geography through world cultures. Students are challenged to construct answers to political, economic, geographic and social issues faced by contemporary countries. This course could be instructed in the general education environment or the special education environment and will have extensive content modifications which will be determined by the student's Individualized Education Program (IEP).

Social Studies Basic 7
Course: 9453 Grade: 7 Unit: 1

Prerequisites: *ARD Recommendation*

Description: This required course emphasizes an integrative approach to the teaching of history, geography, government, economics, culture, science, and technology. This course could be instructed in the general or special education environment and will have extensive content modifications which will be determined by the student's Individualized Education Program (IEP).

Social Studies Basic 8
Course: 9456 Grade: 8 Unit: 1

Prerequisites: *ARD Recommendation*

Description: This required course emphasizes an integrative approach to the teaching of U.S. history, (Colonization through Reconstruction), with an emphasis on geography, government, economics, culture, science, and technology. This course could be instructed in the general or special education environment and will have extensive content modifications which will be determined by the student's Individualized Education Program (IEP

Basic Social Skills 6
Course: 9998 Grade: 6 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Basic Social Skills 6 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access and participate in grade level TEKS through activities that focus on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's Individualized Education Program (IEP).

Basic Social Skills 7
Course: 9106 Grade: 7 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Basic Social Skills 7 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access and participate in grade level TEKS through activities that focus on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's Individualized Education Program (IEP).

Basic Social Skills 8
Course: 9126 Grade: 8 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Basic Social Skills 8 will provide support to access the general education curriculum that may include assistance involving communication, response style,

physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access and participate in grade level TEKS through activities that focus on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's Individualized Education Program (IEP)

Physical Education Basic 6

Course: 9939 Grade: 6 Unit: 0.5

Prerequisites: *ARD Recommendation*

Description: This course is taught in a separate environment with specialized support that includes extensive content modifications to instruction, assignments, and assessments to access and demonstrate progress. The content is aligned with grade level TEKS with modifications determined by the student's Individualized Education Program (IEP)

Physical Education Basic 7

Course: 9733 Grade: 7 Unit: 0.5

Prerequisites: *ARD Recommendation*

Description: This course is taught in a separate environment with specialized support that includes extensive content modifications to instruction, assignments, and assessments to access and demonstrate progress. The content is aligned with grade level TEKS with modifications determined by the student's Individualized Education Program (IEP).

Physical Education Basic 8

Course: 9734 Grade: 8 Unit: 0.5

Prerequisites: *ARD Recommendation*

Description: This course is taught in a separate environment with specialized support that includes extensive content modifications to instruction, assignments, and assessments to access and demonstrate progress. The content is aligned with grade level TEKS with modifications determined by the student's Individualized Education Program (IEP).

Motor Development 6

Course: 9954 Grade: 6 Unit: 0.5

Prerequisites: *ARD Recommendation*

Description: This course is taught in a separate environment with specialized support that focuses on developmental content. Students study grade level TEKS through extensively modified activities determined by the student's Individualized Education Program (IEP).

Motor Development 7

Course: 9723 Grade: 7 Unit: 0.5

Prerequisites: *ARD Recommendation*

Description: This course is taught in a separate environment with specialized support that focuses on developmental content. Students study grade level TEKS through extensively modified activities determined by the student's Individualized Education Program (IEP).

Motor Development 8

Course: 9724 Grade: 8 Unit: 0.5

Prerequisites: *ARD Recommendation*

Description: This course is taught in a separate environment with specialized support that focuses on developmental content. Students study grade level TEKS through extensively modified activities determined by the student's Individualized Education Program (IEP).

Health Education Basic 6

Course: 9983 Grade: 6 Unit: 0.5

Prerequisites: *ARD Recommendation*

Description: This course presents the coverage of the Texas Essential Knowledge and Skills for Health including, consumer health, disease, environmental health and safety, growth and development, health and fitness for daily living, nutrition, use and abuse of tobacco, alcohol, drugs, and the human life cycle. This course could be instructed in the general education environment or the special education environment and will have extensive content modifications which will be determined by the student's IEP.

Health Education Basic 7
Course: 9748 Grade: 7 Unit: 0.5

Prerequisites: *ARD Recommendation*

Description: This course presents extensive coverage of the Texas Essential Knowledge and Skills for Health including, consumer health; disease; environmental health and safety; growth and development; health and fitness for daily living; nutrition; use and abuse of tobacco, alcohol, and drugs; and the human life cycle. This course could be instructed in the general or special education environment and will have extensive content modifications which will be determined by the student's Individualized Education Program (IEP).

Health Education Basic 8
Course: 9749 Grade: 8 Unit: 0.5

Prerequisites: *ARD Recommendation*

Description: This course presents extensive coverage of the Texas Essential Knowledge and Skills for Health including, consumer health, disease, environmental health and safety, growth and development, health and fitness for daily living, nutrition, use and abuse of tobacco, alcohol, and drugs, and the human life cycle. This course could be instructed in the general or special education environment and will have extensive content modifications which will be determined by the student's Individualized Education Program (IEP).

Personal Social Skills 6
Course: 9995 Grade: 6 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Personal Social Skills 6 will be instructed in separate environment providing specialized support. This support will include extensive content modifications to classroom instruction, assignments, and assessments to access and demonstrate progress in the grade level TEKS. The content will be aligned with grade level TEKS integrating prerequisite skills and will focus on vocational content determined by the student's Individualized Education Program (IEP).

Personal Social Skills 7
Course: 9725 Grade: 7 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Personal Social Skills 7 will be instructed in separate environment providing specialized support. This support will include extensive content modifications to classroom instruction, assignments, and assessments to access and demonstrate progress in the grade level TEKS. The content will be aligned with grade level TEKS integrating prerequisite skills and will focus on vocational content determined by the student's Individualized Education Program (IEP).

Personal Social Skills 8
Course: 9726 Grade: 8 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Personal Social Skills 8 will be instructed in separate environment providing specialized support. This support will include extensive content modifications to classroom instruction, assignments, and assessments to access and demonstrate progress in the grade -level TEKS. The content will be aligned with grade -level TEKS integrating pre-requisite skills and will focus on vocational content determined by the student's Individualized Education Program (IEP).

Technology Applications Basic
Course: 9536 Grade: 6-8 Unit: 0.5

Prerequisites: *ARD Recommendation*

Description: This course is taught in the general education environment and has extensive content modifications as determined by the student's Individualized Education Program (IEP).

Daily Living Skills 6
Course: 9957 Grade: 6 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Daily Living Skills 6 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access and participate in grade -level TEKS through activities that focus on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's Individualized Education Program (IEP).

Daily Living Skills 7
Course: 9727 Grade: 7 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Daily Living Skills 7 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access and participate in grade -level TEKS through activities that focus on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's Individualized Education Program (IEP).

Daily Living Skills 8
Course: 9728 Grade: 8 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Daily Living Skills 8 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access and participate in grade -level TEKS through activities that focus on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's Individualized Education Program (IEP).

Personal Care 6
Course: 9959 Grade: 6 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Personal Care 6 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access and participate in grade -level TEKS through activities that focus on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's Individualized Education Program (IEP).

Personal Care 7
Course: 9731 Grade: 7 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Personal Care 7 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access and participate in grade -level TEKS through activities that focus on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's Individualized Education Program (IEP).

Personal Care 8
Course: 9732 Grade: 8 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Personal Care 8 will provide support to access the general education curriculum that may include assistance involving communication, response style, physical access, or daily living skills. Students will require direct, intensive, individualized instruction. Students will access and participate in grade- level TEKS through activities that focus on prerequisite skills. This course will be instructed in a separate environment providing specialized support. This support will include extensive content modifications which will focus on alternative developmental content determined by the student's Individualized Education Program (IEP).

Work Tasks & Work Sample 6
Course: 9958 Grade: 6 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Work Tasks & Work Sample 6 will be instructed in a separate environment providing specialized support. This support will include extensive content modifications to classroom instruction, assignments, and assessments to access and demonstrate progress in the grade evel TEKS. The content will be aligned with grade -level TEKS integrating pre-requisite skills and will focus on vocational content determined by the student's Individualized Education Program (IEP).

Work Tasks & Work Sample 7
Course: 9729 Grade: 7 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Work Tasks & Work Sample 7 will be instructed in a separate environment providing specialized support. This support will include extensive content modifications to classroom instruction, assignments, and assessments to access and demonstrate progress in the grade -level TEKS. The content will be aligned with grade -level TEKS integrating pre-requisite skills and will focus on vocational content determined by the student's Individualized Education Program (IEP).

Work Tasks & Work Sample 8
Course: 9730 Grade: 8 Unit: 1

Prerequisites: *ARD Recommendation*

Description: Work Tasks & Work Sample 8 will be instructed in a separate environment providing specialized support. This support will include extensive content modifications to classroom instruction, assignments, and assessments to access and demonstrate progress in the grade -level TEKS. The content will be aligned with grade- level TEKS integrating pre-requisite skills and will focus on vocational content determined by the student's Individualized Education Program (IEP).

Social Skills Development 6
Course: 9643 Grade: 6 Unit: 1

Prerequisites: *ARD Recommendation*

Description: These full year, local courses provide support to access the general education curriculum. Students require direct, intensive and individualized instruction. These courses provide assistance with social skills development, communication and self management determined by the student's Individualized Education Program (IEP).

Social Skills Development 7
Course: 9644 Grade: 7 Unit: 1

Prerequisites: *ARD Recommendation*

Description: These full year, local courses provide support to access the general education curriculum. Students require direct, intensive and individualized instruction. These courses provide assistance with social skills development, communication and self-management determined by the student's Individualized Education Program (IEP).

Social Skills Development 8
Course: 9645 Grade: 8 Unit: 1

Prerequisites: *ARD Recommendation*

Description: These full year, local courses provide support to access the general education curriculum. Students require direct, intensive and individualized instruction. These courses provide assistance with social skills development, communication and self -management determined by the student's Individualized Education Program (IEP).

LANGUAGES OTHER THAN ENGLISH (LOTE) COURSES

Discovering Languages (Full Year)
Course: 3540 Grade: 6 Unit: 1

Prerequisites: *None*

Description: This is a one year, non--sequential course using age appropriate activities to demonstrate an awareness of some aspects of culture, grammar, vocabulary, and basic conversations in French, German, Latin, American Sign Language, Japanese, and Chinese. Students participate in language focused activities and use the skills of listening, speaking, reading, and/or writing at a novice low level. This course is not for High School credit.

Discovering Languages
Course: 3541 Grade: 6 Unit: 0.5

Prerequisites: *None*

Description: This is a one semester non--sequential course using age appropriate activities to demonstrate an awareness of some aspects of culture, grammar, vocabulary, and basic conversations in French, German, and either Latin or American Sign Language. Students participate in language focused learning activities and use the skills of listening, speaking, reading, and/or writing at a novice low level. This course is not for High School credit.

American Sign Language I-A
Course: 3512 Grade: 6-7 Credit: 0

Prerequisites: *None*

Description: This full- year course is part one of a two -year course sequence to complete one full high school credit. Credit will not be awarded for this course until both courses (3512 and 3513) are successfully completed. In this course, students will begin their learning of the sign language alphabet, numbers, basic sign vocabulary and syntax, and fingerspelling 3--4 letter words. Students begin their practice of expressive sign skills as well as receptive sign skills. Students are introduced to Deaf culture and how the Deaf differ from hearing people. Successful completion of both this course and American Sign Language 3513 is equal to one high school credit.

American Sign Language I-B
Course: 3513 Grade: 7-8 Credit: 1

Prerequisites: *American Sign Language I-A (3512)*

Description: his full -year course is part two of a two -year course sequence to complete one full high school credit. This course is equivalent to the second semester high school ASL I course. Credit will be awarded for this course upon successful completion of both courses (3512 and 3513). In this course, students will continue their learning of the sign language alphabet, numbers, basic sign vocabulary and syntax, and fingerspelling 3--4 letter words. Students further their practice of expressive sign skills as well as receptive sign skills. They learn to give basic directions, ask for help, and explore occupations. Students are introduced to Deaf culture and how the Deaf differ from hearing people. They learn how to approach the Deaf community and have basic conversations. Successful completion of both this course and American Sign Language 3512 is equal to one high school credit.

American Sign Language II
Course: 3514 Grade: 8 Credit: 1

Prerequisites: *ASL I, or World Language Director Approval.*

Description: ASL II continues with a greater signed vocabulary, additional grammatical skills, and a higher level of conversational skills. Students are required to sign and understand 5--6 letter fingerspelled words. More advanced Fingerspelled Loan Signs (FLS) are used in conversation.

Chinese I 6-7A
Course: 3855 Grade: 6-7 Unit: 0

Prerequisites: *None*

Description: This full- year course is part one of a two -year course sequence to complete one full high school credit. Credit will not be awarded for this course until both courses (3855 and 3856) are successfully completed. This course introduces the Chinese language and culture and builds communication skills in listening, speaking, reading and writing at a novice low proficiency level. Students learn basic Chinese vocabulary and language usage, and are introduced to 250 written characters, as well as the culture and history of the Chinese community. Successful completion of both this course and Chinese I 7-8B (3856) equal to one high school credit.

Chinese I 7-8B
Course: 3856 Grade: 7-8 Credit: 1

Prerequisites: *Chinese I 6-7A MS (3855), or World Language Director Approval.*

Description: This full -year course is part two of a two -year course sequence to complete one full high school credit. Credit will not be awarded for this course until both courses (3855 and 3856) are successfully completed. This course further investigates the Chinese language and culture and builds communication skills in listening, speaking, reading and writing up to the novice mid proficiency level. Students continue to learn basic Chinese vocabulary and language usage, and are introduced to 500 written characters, as well as the culture and history of the Chinese community. Successful completion of both this course and Chinese I 6-7A (3855) equal to one high school credit.

Chinese II
Course: 3849 Grade: 8 Credit: 1

Prerequisites: *Chinese I 7-8B (3856), Chinese I (full- year), or World Language Director Approval.*

Description: This course provides students with opportunities to continue developing their listening, speaking, reading, and writing skills in Chinese. In addition to language and grammar, students continue to explore Chinese culture and history. Students work towards a novice -mid proficiency in listening, reading and writing, and towards a novice -high level of proficiency in speaking by using Chinese in school and in

the world community. Students are introduced to about 600 more characters.

French I
Course: 3518 Grade: 7-8 Credit: 1

Prerequisites: *None*

Description: This course is open to all students and is an introductory study of the French language, history and culture incorporating the development of listening and reading comprehension, speaking, and writing. The main goal for this course is for students to develop a novice high level proficiency by using French in school and in the world community.

French II
Course: 3520 Grade: 7-8 Credit: 1

Prerequisites: *French I or World Language Director Approval.*

Description: This course continues students' progress through the novice levels into the intermediate levels in French. The main goal for this course is for students to develop an intermediate low level proficiency by using French in school and in the world community. Studies of French culture and history are included. This course is open to all students.

German I
Course: 3527 Grade: 7-8 Credit: 1

Prerequisites: *None*

Description: This course is an introductory study of the German language and culture incorporating the development of listening and reading comprehension, speaking, and writing. The main goal for this course is for students to develop a novice level proficiency by using German in school and in the world community. Studies of German culture and history are included.

German II
Course: 3528 Grade: 7-8 Credit: 1

Prerequisites: *German I or World Language Director Approval.*

Description: This course continues students' progress through the novice levels into the intermediate levels in German. The main goal for this course is for students to develop an intermediate low level proficiency by using German in school and in the world community. Studies of German culture and history are included.

Korean I
Course: 3480 Grade: 7-8 Credit: 1

Prerequisites: *None*

Description: This course is an introductory study of the Korean language and culture incorporating the development of listening and reading comprehension, speaking, and writing. The main goal for this course is for students to develop a Novice- Mid level proficiency by using Korean in school and in the world community. The course includes the study of Korean Hangul writing system, and the introduction of main grammar concepts with direct attention given to oral-/aural skills. Studies of Korean culture and history are introduced. This course is open to all students.

Korean II
Course: 3481 Grade: 7-8 Credit: 1

Prerequisites: *Korean I, Novice Mid on an ACTFL -approved proficiency test, or World Languages Director approval.*

Description: This course continues students' proficiency progress into Novice High level in Korean by using Korean in school and in the world community. Focus is on the improvement of speaking and listening, as well as expanding reading and writing skills. Students further their exposure and utilization of the Hangul writing system. Studies of Korean culture and history are explored.

Latin I 6-7 A
Course: 3549 Grade: 6-7 Credit: 1

Prerequisites: *None*

Description: This full -year course is part one of a two -year course sequence to complete one full high school credit. Credit will not be awarded for this course until both courses (3549 and 3551) are successfully completed. This course is the equivalent of the first semester high school Latin I course. Students begin to learn how to read a story in Latin and to comprehend its meaning in English. Students learn at least 300 hundred Latin vocabulary words and several English derivatives of these words. The Roman culture is also studied.

Latin I 7-8 B
Course: 3551 Grade: 7-8 Credit: 1

Prerequisites: *Latin I--7 (3549)*

Description: This full- year course is part two of a two -year course sequence to complete one full high school credit. Credit will not be awarded for this course until both courses (3549 and 3551) are successfully completed. This course is the equivalent of the second semester high school Latin I course. Students continue to learn how to read Latin and to comprehend its meaning in English. They also continue learning up to a total of 500 hundred Latin vocabulary words and several English derivatives of these words. Roman family, life in a Roman city, the treatment of Roman slaves, basic Roman entertainment, and the rudiments of the Roman government are in this curriculum. Successful completion of both this course and Latin I- 6-7 A MS (3549) is equal to one high school credit.

Portuguese I
Course: 3536 Grade: 7-8 Credit: 1

Prerequisites: *None*

Description: This course is an introductory study of the Portuguese language and culture incorporating the development of listening and reading comprehension, speaking, and writing. The main goal for this course is for students to develop a Novice High level proficiency by using Portuguese in school and in the world community. Studies of Portuguese culture and history are included. This course is open to all students.

Portuguese II
Course: TBD Grade: 7-8 Credit: 1

Prerequisites: *Portuguese I, Novice High on an ACTFL -approved proficiency test, or World Language Director Approval.*

Description: This course continues students' progress through the novice levels into the intermediate levels in Portuguese. The main goal for this course is for students to develop an intermediate low level proficiency by using Portuguese in school and in the world community. Studies of Portuguese culture and history are explored.

Dual Language- Spanish 7
Course: 3545 Grade: 7 Credit: 1

Prerequisites: *Must be enrolled in a Dual Language Program*

Description: This course incorporates the study of the Spanish language and Hispanic culture to assist students in the understanding and appreciation of such. The main objective is to enrich the students' total language experience by developing Spanish language skills that students already possess and assist them in refining these skills by understanding when and where dialectal usages are appropriate in oral and written communications. The focus is on increasing students' ability to use Spanish flexibly for both formal and informal settings and on developing their biliteracy skills. Please note: This course carries a Level 2 LOTE credit. For Dual Language Campuses and Students ONLY (Long, Rosemont, Sanger, and Walker)

Dual Language- Spanish 8
Course: 3546 Grade: 8 Credit: 1

Prerequisites: *Spanish 7 Dual Language or World Language Director Approval*

Description: This course furthers the opportunities for the development and enhancement of the language skills that students already possess and assist them in refining these skills by understanding when and where dialectal usages are appropriate in oral and written communications. The focus is on the study of the Spanish language, Hispanic culture and history incorporating language skills and grammatical concepts. The main objective of this course is to continue building on the skills the students already possess by providing opportunities to expand their biliteracy, as well as their social, communicative, and functional concepts identified with the Spanish language. Please note: This course carries a Level 3 LOTE credit. For Dual Language Campuses and Students ONLY (Long, Rosemont, Sanger, and Walker)

Spanish I
Course: 3577 Grade: 7-8 Credit: 1

Prerequisites: *None*

Description: This course is an introduction to the Spanish language, grammar, and Hispanic culture while developing the skills in listening and reading comprehension, speaking, and writing. The main goal for this course is for students to progress toward a novice -high level ability in using Spanish in school and in the

community. This course is open only to students whose first/native language is NOT Spanish as shown on the Home Language Survey (HLS).

Spanish II

Course: 3579 Grade: 7-8 Credit: 1

Prerequisites: *Spanish I, Native/Heritage Spanish speakers as marked on the Home Language Survey (HLS), Novice High on an ACTFL -approved proficiency test, or World Languages Director approval.*

Description: This course continues students' progress through the novice levels into the intermediate levels in Spanish. The main goal for this course is for students to develop an Intermediate Low level proficiency by using Spanish in school and in the world community. Studies of Hispanic culture and history are included. This course is open to all students.

Spanish III

Course: 3548 Grade: 7-8 Credit: 1

Prerequisites: *Spanish II, Native/Heritage Spanish speakers as marked on the Home Language Survey (HLS), Intermediate Low on an ACTFL -approved proficiency test, or World Languages Director approval. Middle School for High School Credit.*

Description: This highly rigorous course continues students' progress through the intermediate levels, from Intermediate Mid to Intermediate High in Spanish. The course incorporates the study of the Spanish language and Hispanic culture, history, and literature to form a base for analytical reading and writing that prepares students for the AP Spanish Language Course. This course is open ONLY to 8th graders whose native/first language is Spanish as shown on the Home Language Survey (HLS) or by World Languages Director approval.

HEALTH COURSES

Health Education 6

Course: 9941 Grade: 6 Unit: 0.5

Prerequisites: *None*

Description: In middle school, students learn about health behaviors that will safeguard their health as well as information related to understanding puberty and the reproductive process. Students are taught about factors in their environment that impact, not only their health and the health of their families, but the health of their communities as well. Middle school students learn to refine their critical-thinking skills to avoid unsafe situations, analyze health information and products, and maintain healthy relationships. Students begin to investigate health in the broader context of community.

Health Education 7

Course: 3442 Grade: 7 Unit: 0.5

Prerequisites: *None*

Description: In middle school, students learn about health behaviors that will safeguard their health as well as information related to understanding puberty and the reproductive process. Students are taught about factors in their environment that impact, not only their health and the health of their families, but the health of their communities as well. Middle school students learn to refine their critical-thinking skills to avoid unsafe situations, analyze health information and products, and maintain healthy relationships. Students begin to investigate health in the broader context of community.

Health Education 8

Course: 3340 Grade: 8 Unit: 0.5

Prerequisites: *None*

Description: In middle school, students learn about health behaviors that will safeguard their health as well as information related to understanding puberty and the reproductive process. Students are taught about factors in their environment that impact, not only their health and the health of their families, but the health of their communities as well. Middle school students learn to refine their critical-thinking skills to avoid unsafe situations, analyze health information and products, and maintain healthy relationships. Students begin to investigate health in the broader context of community.

LEADERSHIP CADET CORP (LCC) COURSES

Leadership Cadet Corps (LCC I)
Course: 4745 Grade: 6-8 Unit: 1

Prerequisites: *None*

Description: This elective course helps students develop basic leadership skills, self-esteem, discipline, and respect for constitutional authority. Prepare students for responsible leadership roles while making them aware of their rights and responsibilities and privilege as American citizens.

Leadership Cadet Corps (LCC II)
Course: 4750 Grade: 7 Unit: 1

Prerequisites: *LCC I*

Description: This course continues to build leadership skills and places students in increased leadership roles, such as, platoon sergeants and platoon leaders. It emphasizes development, positive self-esteem, teamwork and responsible patriotic citizenship.

Leadership Cadet Corps (LCC III)
Course: 4751 Grade: 8 Unit: 1

Prerequisites: *LCC II*

Description: At the LCC III level, students begin to focus on leading larger groups. Leadership skills that will prepare them for high school JROTC. Cadets are taught professional courtesy, respect, discipline and advanced leadership traits in preparing them for the transition to high school. Strong emphasis is placed on honesty, values, self-discipline, physical fitness and a desire to graduate from high school.

PHYSICAL EDUCATION COURSES

Physical Education 6
Course: 9942 Grade: 6 Unit: 1

Prerequisites: *None*

Description: In Physical Education, students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically active lifestyle. The student exhibits a physically active lifestyle and understands the relationship between physical activity and health throughout the life span. Students understand in greater detail the function of the body, learn to measure their own performance more accurately, and develop plans for improvement.

Physical Education 7/8
Course: 4582 Grade: 6 Unit: 0.5

Prerequisites: *None*

Description: In Physical Education, students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically active lifestyle. The student exhibits a physically active lifestyle and understands the relationship between physical activity and health throughout the life span. Students can observe another individual's performance and notice key elements for success. Their knowledge of safety and the ability to manage their own behavior is reinforced. Instruction is directed more toward encouraging the incorporation of physical activity into a daily routine and less toward fundamental skill development.

PE Substitutions

Athletics 7 Grade Boys 1
Course: 4590 Grade: 7 Unit: 0.5

Prerequisites: *None*

Description: This course is designed for students who are wanting to participate in a UIL sport. All students must tryout fo each team they are interested in and must have coach and parent permission. All students are required to have a physical examination and compete all required UIL forms prior to athletic participation. Before school, after school and weekend participate is required.

Athletics 7 Grade Boys 1
Course: 4590 Grade: 7 Unit: 0.5

Prerequisites: *None*

Description: This course is designed for students who are wanting to participate in a UIL sport. All students must tryout fo each team they are interested in and must have coach and parent permission. All students are required to have a physical examination and compete all required UIL forms prior to athletic participation. Before school, after school and weekend participate is required.

Athletics 7 Grade Boys 2
Course: 4591 Grade: 7 Unit: 0.5

Prerequisites: *None*

Description: This course is designed for students who are wanting to participate in a UIL sport. All students must tryout fo each team they are interested in and must have coach and parent permission. All students are required to have a physical examination and compete all required UIL forms prior to athletic participation. Before school, after school and weekend participate is required.

Athletics 7 Grade Girls 1
Course: 4592 Grade: 7 Unit: 0.5

Prerequisites: *None*

Description: This course is designed for students who are wanting to participate in a UIL sport. All students must tryout fo each team they are interested in and must have coach and parent permission. All students are required to have a physical examination and compete all required UIL forms prior to athletic participation. Before school, after school and weekend participate is required.

Athletics 7 Grade Girls 2
Course: 4593 Grade: 7 Unit: 0.5

Prerequisites: *None*

Description: This course is designed for students who are wanting to participate in a UIL sport. All students must tryout fo each team they are interested in and must have coach and parent permission. All students are required to have a physical examination and compete all required UIL forms prior to athletic participation. Before school, after school and weekend participate is required.

Athletics 8 Grade Boys 1
Course: 4594 Grade: 8 Unit: 0.5

Prerequisites: *None*

Description: This course is designed for students who are wanting to participate in a UIL sport. All students must tryout fo each team they are interested in and must have coach and parent permission. All students are required to have a physical examination and compete all required UIL forms prior to athletic participation. Before school, after school and weekend participate is required.

Athletics 8 Grade Boys 2
Course: 4595 Grade: 8 Unit: 0.5

Prerequisites: *None*

Description: This course is designed for students who are wanting to participate in a UIL sport. All students must tryout fo each team they are interested in and must have coach and parent permission. All students are required to have a physical examination and compete all required UIL forms prior to athletic participation. Before school, after school and weekend participate is required.

Athletics 8 Grade Girls 1
Course: 4596 Grade: 8 Unit: 0.5

Prerequisites: *None*

Description: This course is designed for students who are wanting to participate in a UIL sport. All students must tryout fo each team they are interested in and must have coach and parent permission. All students are required to have a physical examination and compete all required UIL forms prior to athletic participation. Before school, after school and weekend participate is required.

Athletics 8 Grade Girls 2
Course: 4597 Grade: 8 Unit: 0.5

Prerequisites: *None*

Description: This course is designed for students who are wanting to participate in a UIL sport. All students must tryout fo each team they are interested in and must have coach and parent permission. All students are required to have a physical examination and compete all required UIL forms prior to athletic participation. Before school, after school and weekend participate is required.

Off-Campus Physical Education (Full Year)
Course: 4702 Grade: 8 Unit: 1

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE Coordinator, no later than the end of the second week of the semester being requested.

Off-Campus Physical Education (Fall)
Course: 4703 Grade: 7 Unit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE Coordinator, no later than the end of the second week of the semester being requested.

Off-Campus Physical Education (Spring)
Course: 4704 Grade: 7 Unit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE Coordinator, no later than the end of the second week of the semester being requested.

Off-Campus Physical Education (Fall)
Course: 4705 Grade: 8 Unit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE Coordinator, no later than the end of the second week of the semester being requested.

Off-Campus Physical Education (Spring)
Course: 4702 Grade: 8 Unit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE

Coordinator, no later than the end of the second week of the semester being requested.

VISUAL & PERFORMING ARTS COURSES

Band

MS Modern Band Level 1
Course: 8512 Grade: 6-8 Unit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: MS Modern Band Level 1 will address basic to advanced level skills in piano, guitar, percussion and/or music technology. Students will learn the fundamentals of music literacy, improvisation and song writing skills.

MS Modern Band Level 1 is designed for a 6-8th grader taking his/her 1st year of a Modern Band ensemble course. Students are expected to complete projects which include out of school time for rehearsals and performances

MS Varsity Band 1
Course: 8520 Grade: 7-8 Unit: 1

Prerequisites: *Beginner band course or audition placement by band director*

Description: MS Varsity Band 1 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

MS Varsity Band 1 is designed for a 7-8th grader taking his/her 1st year of the MS Non-Varsity Band course. Course requires rehearsals and performances that occur outside of the school day."

MS Non-Varsity Band Level 1

Course: 8521 Grade: 7-8 Unit: 1

Prerequisites: *Beginner band course or audition placement by band director*

Description: MS Non-Varsity Band Level 1 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

MS Non-Varsity Band Level 1 is designed for a 7-8th grader taking his/her 1st year of the MS Non-Varsity Band course. Course requires rehearsals and performances that occur outside of the school day.

MS Beginning Woodwind
Course: 8522 Grade: 6-8 Unit: 1

Prerequisites: *None*

Description: MS Beginning Woodwind is an introductory course for band. Placement with band director approval. An instrument use fee applies.

MS Beginning Brass
Course: 8523 Grade: 6-8 Unit: 1

Prerequisites: *None*

Description: MS Beginning Brass is an introductory course for band. Placement with band director approval. An instrument use fee applies.

MS Beginning Percussion
Course: 8524 Grade: 6-8 Unit: 1

Prerequisites: *None*

Description: MS Beginning Percussion is an introductory course for band. Placement with band director approval. An instrument use fee applies.

MS Jazz Ensemble 1 (Band)
Course: 8525 Grade: 7 Unit: 1

Prerequisites: *Beginner band course or audition placement by band director.*

Description: MS Jazz Ensemble 1 is a regularly performing ensemble. Placement by audition only and with band director approval. An instrument use fee applies. Concurrent enrollment in MS Varsity or Non-Varsity Band or Strings is required.

Student will have the opportunity to learn and perform music in the jazz genre. MS Jazz Ensemble 1 is designed for a 7th grader taking his/her 1st year of the jazz ensemble course. Course requires rehearsals and performances that occur outside of the school day.

MS Jazz Ensemble 1 (Strings)
Course: 8525 Grade: 7 Unit: 1

Prerequisites: *Beginner strings course or audition placement by orchestra director*

Description: MS Jazz Ensemble 1 is a regularly performing ensemble. Placement by audition only and with band director approval. An instrument use fee applies. Concurrent enrollment in MS Varsity or Non-Varsity Band or Strings is required.

Student will have the opportunity to learn and perform music in the jazz genre. MS Jazz Ensemble 1 is designed for a 7th grader taking his/her 1st year of the jazz ensemble course. Course requires rehearsals and performances that occur outside of the school day.

MS Varsity Orchestra Level 1
Course: 8526 Grade: 7-8 Unit: 1

Prerequisites: *Beginner strings course or audition placement by orchestra director*

Description: MS Varsity Orchestra Level 1 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

MS Varsity Orchestra Level 1 is designed for a 7-8th grader taking his/her 1st year of the MS Non-Varsity Band course. Course requires rehearsals and performances that occur outside of the school day.

MS Non-Varsity Orchestra Level 1
Course: 8527 Grade: 7-8 Unit: 1

Prerequisites: *Beginner strings course or audition placement by orchestra director*

Description: MS Non-Varsity Orchestra Level 1 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with orchestra director approval. An instrument use fee applies.

MS Non-Varsity Orchestra Level 1 is designed for a 7-8th grader taking his/her 1st year of the MS Non-Varsity Strings course. Course requires rehearsals and performances that occur outside of the school day.

MS Strings
Course: 8528 Grade: 6 Unit: 1

Prerequisites: *Beginner strings course or audition placement by orchestra director*

Description: MS Strings is a introductory course for orchestra. Placement with orchestra director approval. An instrument use fee applies.

MS Chamber Ensemble 1 (Band)
Course: 8529 Grade: 7 Unit: 1

Prerequisites: *Beginner band course or audition placement by band director.*

Description: MS Chamber Ensemble 1 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band or orchestra director approval. An instrument use fee applies. Concurrent enrollment in MS Varsity or Non-Varsity Band or Strings is required.

MS Chamber Ensemble 1 is designed for a 7th grader taking his/her 1st year of the chamber ensemble course. Students should enroll in this course as a second ensemble class.

MS Chamber Ensemble 1 (Strings)
Course: 8529 Grade: 7 Unit: 1

Prerequisites: *Beginner strings course or audition placement by orchestra director*

Description: MS Chamber Ensemble 1 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band or orchestra director approval. An instrument use fee applies. Concurrent enrollment in MS Varsity or Non-Varsity Band or Strings is required.

MS Chamber Ensemble 1 is designed for a 7th grader taking his/her 1st year of the chamber ensemble course. Students enroll in this course as a second ensemble class.

MS Varsity Band 2
Course: 8569 Grade: 8 Unit: 1

Prerequisites: *Beginner band course or audition placement by band director*

Description: MS Varsity Band 2 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

MS Varsity Band 2 is designed for an 8th grader taking his/her 2nd year of the MS Non-Varsity Band course. Course requires rehearsals and performances that occur outside of the school day."

MS Non-Varsity Band 2

Course: 8570 Grade: 8 Unit: 1

Prerequisites: *Beginner band course or audition placement by band director*

Description: MS Non-Varsity Band 2 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

MS Non-Varsity Band 2 is designed for a 8th grader taking his/her 2nd year of the MS Non-Varsity Band course. Course requires rehearsals and performances that occur outside of the school day.

MS Non-Varsity Band Level 0

Course: 8571 Grade: 6 Unit: 1

Prerequisites: *Beginner band course or audition placement by band director*

Description: MS Non-Varsity Band Level 0 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

MS Non-Varsity Band Level 0 is designed for a 6th grader taking his/her 1st year of the MS Non-Varsity Band course. Course requires rehearsals and performances that occur outside of the school day.

MS Modern Band Level 2

Course: 8579 Grade: 7-8 Unit: 1

Prerequisites: *MS Modern Band Level 1 course - placement by audition and teacher approval*

Description: MS Modern Band Level 2 will address basic to advanced level skills in piano, guitar, percussion and/or music technology. Students will learn the fundamentals of music literacy, improvisation and song writing skills.

MS Modern Band Level 2 is designed for a 7-8th grader taking his/her 2nd year of a Modern Band ensemble course. Students are expected to complete projects which include out of school time for rehearsals and performances

MS Modern Band Level 2

Course: 8579 Grade: 7-8 Unit: 1

Prerequisites: *MS Modern Band Level 1 course - placement by audition and teacher approval*

Description: MS Modern Band Level 2 will address basic to advanced level skills in piano, guitar, percussion and/or music technology. Students will learn the fundamentals of music literacy, improvisation and song writing skills.

MS Modern Band Level 2 is designed for a 7-8th grader taking his/her 2nd year of a Modern Band ensemble course. Students are expected to complete projects which include out of school time for rehearsals and performances

MS Modern Band Level 3

Course: 8580 Grade: 8 Unit: 1

Prerequisites: *MS Modern Band Level 2 course - placement by audition and teacher approval*

Description: MS Modern Band Level 3 will address basic to advanced level skills in piano, guitar, percussion and/or music technology. Students will learn the fundamentals of music literacy, improvisation and song writing skills.

MS Modern Band Level 3 is designed for a 8th grader taking his/her 3rd year of a Modern Band ensemble course. Students are expected to complete projects which include out of school time for rehearsals and performances

MS Modern Band Level 3

Course: 8580 Grade: 8 Unit: 1

Prerequisites: *MS Modern Band Level 2 course - placement by audition and teacher approval*

Description: MS Modern Band Level 3 will address basic to advanced level skills in piano, guitar, percussion and/or music technology. Students will learn the fundamentals of music literacy, improvisation and song writing skills.

MS Modern Band Level 3 is designed for a 8th grader taking his/her 3rd year of a Modern Band ensemble course. Students are expected to complete projects which include out of school time for rehearsals and performances

MS Varsity Band 0
Course: 8797 Grade: 6 Unit: 1

Prerequisites: *Beginner band course or audition placement by band director*

Description: MS Varsity Band 0 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

MS Varsity Band 0 is designed for a 6th grader taking his/her 1st year of the MS Non-Varsity Band course. Course requires rehearsals and performances that occur outside of the school day."

MS Beginning Trumpet
Course: 8881 Grade: 6-8 Unit: 1

Prerequisites: *None*

Description: MS Beginning Trumpet is an introductory course for band. Placement with band director approval. An instrument use fee applies.

MS Beginning Clarinet
Course: 8883 Grade: 6-8 Unit: 1

Prerequisites: *None*

Description: MS Beginning Clarinet is an introductory course for band. Placement with band director approval. An instrument use fee applies.

MS Beginning Euphonium/Tuba
Course: 8888 Grade: 6-8 Unit: 1

Prerequisites: *None*

Description: MS Beginning Euphonium/Tuba is an introductory course for band. Placement with band director approval. An instrument use fee applies.

MS Beginning Trombone
Course: 8889 Grade: 6-8 Unit: 1

Prerequisites: *None*

Description: MS Beginning Trombone is an introductory course for band. Placement with band director approval. An instrument use fee applies.

MS Beginning Saxophone
Course: 8893 Grade: 6-8 Unit: 1

Prerequisites: *None*

Description: MS Beginning Saxophone is an introductory course for band. Placement with band director approval. An instrument use fee applies.

MS Beginning Flute
Course: 8894 Grade: 6-8 Unit: 1

Prerequisites: *None*

Description: MS Beginning Flute is an introductory course for band. Placement with band director approval. An instrument use fee applies.

MS Beginning French Horn
Course: 8897 Grade: 6-8 Unit: 1

Prerequisites: *None*

Description: MS Beginning French Horn is an introductory course for band. Placement with band director approval. An instrument use fee applies.

MS Jazz Ensemble 2
Course: 8572 Grade: 8 Unit: 1

Prerequisites: *Beginner band course or audition placement by band director.*

Description: MS Jazz Ensemble 2 is a regularly performing ensemble. Placement by audition only and with band director approval. An instrument use fee applies. Concurrent enrollment in MS Varsity or Non-Varsity Band or Strings is required.

Student will have the opportunity to learn and perform music in the jazz genre. MS Jazz Ensemble 2 is designed for a 8th grader taking his/her 2nd year of the jazz ensemble course. Course requires rehearsals and performances that occur outside of the school day.

MS Jazz Ensemble 2
Course: 8572 Grade: 8 Unit: 1

Prerequisites: *Beginner strings course or audition placement by orchestra director*

Description: MS Jazz Ensemble 2 is a regularly performing ensemble. Placement by audition only and with band director approval. An instrument use fee applies.

Concurrent enrollment in MS Varsity or Non-Varsity Band or Strings is required.

Student will have the opportunity to learn and perform music in the jazz genre. MS Jazz Ensemble 2 is designed for a 8th grader taking his/her 2nd year of the jazz ensemble course. Course requires rehearsals and performances that occur outside of the school day.

MS Varsity Orchestra Level 2

Course: 8573 Grade: 8 Unit: 1

Prerequisites: *Beginner strings course or audition placement by orchestra director*

Description: MS Varsity Orchestra Level 2 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

MS Varsity Orchestra Level 2 is designed for a 8th grader taking his/her 2nd year of the MS Non-Varsity Band course. Course requires rehearsals and performances that occur outside of the school day.

MS Varsity Orchestra Level 0

Course: 8574 Grade: 6 Unit: 1

Prerequisites: *Beginner strings course or audition placement by orchestra director*

Description: MS Varsity Orchestra Level 0 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

MS Varsity Orchestra Level 0 is designed for a 6th grader taking his/her 1st year of the MS Non-Varsity Band course. Course requires rehearsals and performances that occur outside of the school day.

MS Non-Varsity Orchestra Level 2

Course: 8575 Grade: 8 Unit: 1

Prerequisites: *Beginner strings course or audition placement by orchestra director*

Description: MS Non-Varsity Orchestra Level 2 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with orchestra director approval. An instrument use fee applies.

MS Non-Varsity Orchestra Level 2 is designed for a 8th grader taking his/her 2nd year of the MS Non-Varsity Strings course. Course requires rehearsals and performances that occur outside of the school day.

MS Non-Varsity Orchestra Level 0

Course: 8576 Grade: 6 Unit: 1

Prerequisites: *Beginner strings course or audition placement by orchestra director*

Description: MS Non-Varsity Orchestra Level 0 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with orchestra director approval. An instrument use fee applies.

MS Non-Varsity Orchestra Level 0 is designed for a 6th grader taking his/her 1st year of the MS Non-Varsity Strings course. Course requires rehearsals and performances that occur outside of the school day.

MS Chamber Ensemble 2 (Band)

Course: 8577 Grade: 8 Unit: 1

Prerequisites: *Beginner band course or audition placement by band director.*

Description: MS Chamber Ensemble 2 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band or orchestra director approval. An instrument use fee applies. Concurrent enrollment in MS Varsity or Non-Varsity Band or Strings is required.

MS Chamber Ensemble 2 is designed for a 8th grader taking his/her 2nd year of the chamber ensemble course. Students should enroll in this course as a second ensemble class.

MS Chamber Ensemble 2 (Strings)

Course: 8577 Grade: 8 Unit: 1

Prerequisites: *Beginner strings course or audition placement by orchestra director*

Description: MS Chamber Ensemble 2 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band or orchestra director approval. An instrument use fee applies. Concurrent enrollment in MS Varsity or Non-Varsity Band or Strings is required.

MS Chamber Ensemble 2 is designed for a 8th grader taking his/her 2nd year of the chamber ensemble course. Students enroll in this course as a second ensemble class.

Choral Music

MS Choir Grade 6
Course: 8511 Grade: 6 Unit: 1

Prerequisites: *None*

Description: This elective is the standard introductory course for 6th grade girls. Students are expected to perform in formal and informal concert settings and may be required to attend rehearsals and performances before and after school.

MS Choir Varsity Mixed Level 1
Course: 8513 Grade: 7-8 Unit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: MS Choir Varsity Mixed Level 1 is for designed for advanced choral students, allowing them to develop their vocal potential and musical background. This course is a performance oriented course and teaches unison, two, three and four-part choral literature. Students in advanced choirs are expected to have advanced sight reading ability.

MS Choir Varsity Mixed Level 1 is designed for a 7-8th grader taking his/her 1st year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Choir Varsity Mixed Level 2
Course: 8513 Grade: 7-8 Unit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: MS Choir Varsity Mixed Level 2 is for designed for advanced choral students, allowing them to develop their vocal potential and musical background. This course is a performance oriented course and teaches unison, two, three and four-part choral literature. Students in advanced choirs are expected to have advanced sight reading ability.

MS Choir Varsity Mixed Level 2 is designed for a 7-8th grader taking his/her 2nd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Choir Varsity Treble Level 1
Course: 8514 Grade: 7-8 Unit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: MS Choir Varsity Treble Level 1 is the standard course for experienced treble (female) singers. Students will be expected to develop their vocal skills and demonstrate sight-reading skills in group and solo settings.

MS Choir Varsity Treble Level 1 is designed for a 7-8th grader taking her 1st year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Choir Varsity Treble Level 2
Course: 8514 Grade: 7-8 Unit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: MS Choir Varsity Treble Level 2 is the standard course for experienced treble (female) singers. Students will be expected to develop their vocal skills and demonstrate sight-reading skills in group and solo settings.

MS Choir Varsity Treble Level 2 is designed for a 7-8th grader taking her 2nd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Choir Non-Varsity Treble Level 1
Course: 8515 Grade: 7-8 Unit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: MS Choir Non-Varsity Treble Level 1 is the standard course for developing treble (female) singers. Students will be expected to develop their vocal skills and demonstrate sight-reading skills in group and solo settings.

MS Choir Non-Varsity Treble Level 1 is designed for a 7-8th grader taking her 1st year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Choir Non-Varsity Treble Level 2
Course: 8515 Grade: 7-8 Unit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: MS Choir Non-Varsity Treble Level 2 is the standard course for developing treble (female) singers. Students will be expected to develop their vocal skills and demonstrate sight-reading skills in group and solo settings.

MS Choir Non-Varsity Treble Level 2 is designed for a 7-8th grader taking her 2nd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Choir Varsity Tenor/Bass Level 1
Course: 8516 Grade: 7-8 Unit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: MS Choir Varsity Tenor/Bass Level 1 is the standard course for experienced tenor/bass (male) singers. Students will be expected to develop their vocal skills and demonstrate sight-reading skills in group and solo settings.

MS Choir Varsity Tenor/Bass Level 1 is designed for a 7-8th grader taking his 1st year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Choir Varsity Tenor/Bass Level 2
Course: 8516 Grade: 7-8 Unit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: MS Choir Varsity Tenor/Bass Level 2 is the standard course for experienced tenor/bass (male) singers. Students will be expected to develop their vocal skills and demonstrate sight-reading skills in group and solo settings.

MS Choir Varsity Tenor/Bass Level 2 is designed for a 7-8th grader taking his 2nd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Choir Non-Varsity Tenor/Bass Level 1
Course: 8517 Grade: 7-8 Unit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: MS Choir Non-Varsity Tenor/Bass Level 1 is the standard course for developing tenor/bass (male) singers. Students will be expected to develop their vocal skills and demonstrate sight-reading skills in group and solo settings.

MS Choir Non-Varsity Tenor/Bass Level 1 is designed for a 7-8th grader taking his 1st year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Choir Non-Varsity Tenor/Bass Level 2
Course: 8517 Grade: 7-8 Unit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: MS Choir Non-Varsity Tenor/Bass Level 2 is the standard course for developing tenor/bass (male) singers. Students will be expected to develop their vocal skills and demonstrate sight-reading skills in group and solo settings.

MS Choir Non-Varsity Tenor/Bass Level 2 is designed for a 7-8th grader taking his 2nd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Varsity Vocal Ensemble Level 1
Course: 8518 Grade: 7-8 Unit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: MS Varsity Vocal Ensemble Level 1 is for designed for advanced choral students, allowing them to develop their vocal potential and musical background. This course is a performance oriented course and teaches unison, two, three and four-part choral literature. Students in advanced choirs are expected to have advanced sight reading ability.

MS Varsity Vocal Ensemble Level 1 is designed for a 7-8th grader taking his/her 1st year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and

may be required to attend rehearsals and performances before and after school.

MS Varsity Vocal Ensemble Level 1

Course: 8518 Grade: 7-8 Unit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: MS Varsity Vocal Ensemble Level 1 is for designed for advanced choral students, allowing them to develop their vocal potential and musical background. This course is a performance oriented course and teaches unison, two, three and four-part choral literature. Students in advanced choirs are expected to have advanced sight reading ability.

MS Varsity Vocal Ensemble Level 1 is designed for a 7-8th grader taking his/her 1st year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Choir Varsity Mixed Level 2

Course: 8581 Grade: 8 Unit: 1

Prerequisites: *Any MS Choir Level 1 course, placement by audition and teacher approval*

Description: MS Choir Varsity Mixed Level 2 is for designed for advanced choral students, allowing them to develop their vocal potential and musical background. This course is a performance oriented course and teaches unison, two, three and four-part choral literature. Students in advanced choirs are expected to have advanced sight reading ability.

MS Choir Varsity Mixed Level 2 is designed for an 8th grader taking his/her 2nd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Choir Varsity Mixed Level 3

Course: 8581 Grade: 8 Unit: 1

Prerequisites: *Any MS Choir Level 1 course, placement by audition and teacher approval*

Description: MS Choir Varsity Mixed Level 3 is for designed for advanced choral students, allowing them to develop their vocal potential and musical background. This course is a performance oriented course and teaches unison, two, three and four-part choral literature. Students in advanced choirs are expected to have advanced sight reading ability.

MS Choir Varsity Mixed Level 3 is designed for an 8th grader taking his/her 3rd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Choir Non-Varsity Tenor/Bass Level 2

Course: 8582 Grade: 8 Unit: 1

Prerequisites: *Any MS Choir Level 1 course, placement by audition and teacher approval*

Description: MS Choir Non-Varsity Tenor/Bass Level 2 is the standard course for developing tenor/bass (male) singers. Students will be expected to develop their vocal skills and demonstrate sight-reading skills in group and solo settings.

MS Choir Non-Varsity Tenor/Bass Level 2 is designed for an 8th grader taking his 2nd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Choir Non-Varsity Tenor/Bass Level 3

Course: 8582 Grade: 8 Unit: 1

Prerequisites: *Any MS Choir Level 1 course, placement by audition and teacher approval*

Description: MS Choir Non-Varsity Tenor/Bass Level 3 is the standard course for developing tenor/bass (male) singers. Students will be expected to develop their vocal skills and demonstrate sight-reading skills in group and solo settings.

MS Choir Non-Varsity Tenor/Bass Level 3 is designed for an 8th grader taking his 3rd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Choir Varsity Treble Level 2
Course: 8583 Grade: 8 Unit: 1

Prerequisites: *Any MS Choir Level 1 course, placement by audition and teacher approval*

Description: MS Choir Varsity Treble Level 2 is the standard course for experienced treble (female) singers. Students will be expected to develop their vocal skills and demonstrate sight-reading skills in group and solo settings.

MS Choir Varsity Treble Level 2 is designed for an 8th grader taking her 2nd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Choir Varsity Treble Level 3
Course: 8583 Grade: 8 Unit: 1

Prerequisites: *Any MS Choir Level 1 course, placement by audition and teacher approval*

Description: MS Choir Varsity Treble Level 3 is the standard course for experienced treble (female) singers. Students will be expected to develop their vocal skills and demonstrate sight-reading skills in group and solo settings.

MS Choir Varsity Treble Level 3 is designed for an 8th grader taking her 3rd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Choir Non-Varsity Treble Level 2
Course: 8584 Grade: 8 Unit: 1

Prerequisites: *Any MS Choir Level 1 course, placement by audition and teacher approval*

Description: MS Choir Non-Varsity Treble Level 2 is the standard course for developing treble (female) singers. Students will be expected to develop their vocal skills and demonstrate sight-reading skills in group and solo settings.

MS Choir Non-Varsity Treble Level 2 is designed for an 8th grader taking her 2nd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Choir Non-Varsity Treble Level 3
Course: 8584 Grade: 8 Unit: 1

Prerequisites: *Any MS Choir Level 1 course, placement by audition and teacher approval*

Description: MS Choir Non-Varsity Treble Level 3 is the standard course for developing treble (female) singers. Students will be expected to develop their vocal skills and demonstrate sight-reading skills in group and solo settings.

MS Choir Non-Varsity Treble Level 3 is designed for an 8th grader taking her 3rd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Choir Varsity Tenor/Bass Level 2
Course: 8585 Grade: 8 Unit: 1

Prerequisites: *Any MS Choir Level 1 course, placement by audition and teacher approval*

Description: MS Choir Varsity Tenor/Bass Level 2 is the standard course for experienced tenor/bass (male) singers. Students will be expected to develop their vocal skills and demonstrate sight-reading skills in group and solo settings.

MS Choir Varsity Tenor/Bass Level 2 is designed for an 8th grader taking his 2nd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Choir Varsity Tenor/Bass Level 3
Course: 8585 Grade: 8 Unit: 1

Prerequisites: *Any MS Choir Level 1 course, placement by audition and teacher approval*

Description: MS Choir Varsity Tenor/Bass Level 3 is the standard course for experienced tenor/bass (male) singers. Students will be expected to develop their vocal skills and demonstrate sight-reading skills in group and solo settings.

MS Choir Varsity Tenor/Bass Level 3 is designed for an 8th grader taking his 3rd year of an ensemble choir

course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

MS Varsity Vocal Ensemble Level 2

Course: 8586 Grade: 8 Unit: 1

Prerequisites: *Any MS Choir Level 1 course, placement by audition and teacher approval*

Description: MS Varsity Vocal Ensemble Level 2 is for designed for advanced choral students, allowing them to develop their vocal potential and musical background. This course is a performance oriented course and teaches unison, two, three and four-part choral literature. Students in advanced choirs are expected to have advanced sight reading ability.

MS Varsity Vocal Ensemble Level 2 is designed for an 8th grader taking his/her 2nd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings, including UIL contests, and may be required to attend rehearsals and performances before and after school.

Theatre

MS Theatre 1 (Semester)

Course: 8505 Grade: 6-8 Unit: 1

Prerequisites: *None*

Description: This course introduces students to skills, procedures, etiquette and vocabulary required in theatre for working safely and creatively alone and in groups. Students will be introduced to vocal and physical warm-ups, theatre games, pantomime, mime, puppets, story-telling, poetry, monologues, duet scenes, and readers' theatre. Students will be introduced to methods of developing imaginative characters and improvisation. Students will plan brief dramatizations collaboratively writing scripts and acting out brief original dramatizations. Out-of-school rehearsals and performances may be required.

MS Theatre 1 (Semester)

Course: 8506 Grade: 6-8 Unit: 0.5

Prerequisites: *None*

Description: This course introduces students to skills, procedures, etiquette and vocabulary required in theatre for working safely and creatively alone and in groups. Students will be introduced to vocal and physical warm-ups, theatre games, pantomime, mime, puppets, story-telling, poetry, monologues, duet scenes, and readers' theatre. Students will be introduced to methods of developing imaginative characters and improvisation. Students will plan brief dramatizations collaboratively writing scripts and acting out brief original dramatizations. Out-of-school rehearsals and performances may be required.

MS Theatre 2

Course: 8507 Grade: 7-8 Unit: 1

Prerequisites: *MS Theatre 1 - placement by audition and teacher approval*

Description: This course builds on the skills and experiences gained in MS Theatre 1. Students expand on vocal techniques to safely develop diction, clarity, enunciation, inflection, pitch and projection. Students expand techniques to develop characters and to memorize lines. Students learn to analyze scripts and characters. Students create original monologues, duet scenes, and improvise collaboratively and individually. Students develop stories and improvisations that have a beginning, middle and resolution. Students are introduced to blocking, playwriting, the audition process, and to technical theatre. Students take part in formal and informal performances throughout the year. Students are expected to take part in the Pre-UIL Theatre Arts Contest, a district-wide event. Out-of-school rehearsals and performances are required. Full year courses for MS Theatre levels 2 and 3 are recommended to prepare students for high school courses requiring an audition.

MS Theatre 3

Course: 8509 Grade: 7-8 Unit: 1

Prerequisites: *MS Theatre 1 - placement by audition and teacher approval*

This course builds on the skills and experiences gained in MS Theatre 2. Students expand on vocal techniques to safely develop diction, clarity, enunciation, inflection, pitch and projection. Students expand techniques to develop characters and to memorize lines. Students learn to analyze scripts and characters. Students create original monologues, duet scenes, and improvise collaboratively and individually. Students develop stories and improvisations that have a beginning, middle and resolution. Students are introduced to blocking, playwriting, the audition process, and to technical theatre. Students take part in formal and informal performances throughout the year. Students are expected to take part in the Pre-UIL Theatre Arts Contest,

a district-wide event. Out-of-school rehearsals and performances are required. Full year courses for MS Theatre levels 2 and 3 are recommended to prepare students for high school courses requiring an audition.

Dance

MS Dance 1 (Full Year)
Course: 8497 Grade: 6-8 Unit: 1

Prerequisites: *None*

Description: This full year course offers an introduction to the art of dance. The course introduces skills, procedures, etiquette and vocabulary required for safe and effective participation in dance. The course provides a sequential introduction to dance techniques such as warm up, cool down, conditioning, stretching, and injury prevention. Students are introduced to a variety of dance styles including ballet, modern, tap, jazz, and world dance. Students conduct creative movement studies. Out-of-school rehearsals and performances may be required. MS Dance 1 may substitute for P.E.

MS Dance 1 (Semester)
Course: 8498 Grade: 6-8 Unit: 0.5

Prerequisites: *None*

Description: This semester course offers an introduction to the art of dance. The course introduces skills, procedures, etiquette and vocabulary required for safe and effective participation in dance. The course provides a sequential introduction to dance techniques such as warm up, cool down, conditioning, stretching, and injury prevention. Students are introduced to a variety of dance styles including ballet, modern, tap, jazz, and world dance. Students conduct creative movement studies. Out-of-school rehearsals and performances may be required. MS Dance 1 may substitute for P.E.

MS Dance 2
Course: 8499 Grade: 7-8 Unit: 1

Prerequisites: *MS Dance 1 - placement by audition and teacher approval*

Description: This course builds on skills and knowledge gained in Middle School Dance 1. Students analyze the physiological effects of exercises and are introduced to biomechanical principles. Students refine previously learned movements and learn movements requiring greater skill in a variety of dance styles including ballet, modern, tap, jazz, and world dance. Students improvise and perform movement sequences, solve movement problems, and explore compositional forms. Out-of-school rehearsals and performances may be required. Full-year courses for levels 2 and 3 are recommended to prepare students for high school courses requiring an audition. MS Dance 2 may substitute for P.E

Art

Art 1 Studio

Course: 8530 Grade: 6-8 Unit: 1

Prerequisites: *None*

Description: An introductory year-long art course for middle school students interested in an in-depth exploration of the principles of art, elements of design, art history, aesthetic criticism and visual literacy. Through drawing, design, painting, printmaking, sculpture and digital media, students are exposed to specific techniques and master artists to create observational and expressive artworks. Individual portfolios are developed.

Art 2 Studio
Course: 8531 Grade: 7-8 Unit: 1

Prerequisites: *MS Art 1 Studio or Foundation*

Description: This is the second year-long art course for middle school students in the visual arts sequence. Students compare and contrast the principles of art and elements of design by illustrating ideas from direct observation, original sources, imagination, personal experiences, and communities using a variety of 2D, 3D and digital media. Portfolios continue to be developed, demonstrating progress. Students investigate art history, determine contemporary relevance and analyze original artworks.

Art 3 Studio
Course: 8532 Grade: 8 Unit: 1

Prerequisites: *MS Art 1 Studio or Foundation and MS Art 2 Studio or Foundation*

Description: This is the third and final year-long art course for middle school students in the visual arts sequence. Students use an understanding of copyright to appropriate and create original and experimental artworks including installation, performance or collaboration expressing universal themes by selecting appropriate materials. Using accurate vocabulary, students analyze cultural ideas expressed in artworks and

investigate fine arts, design and museum careers. Participation is required in critiques, portfolio reviews and student exhibits.

Art 1 Foundation
Course: 8533 Grade: 6-8 Unit: 0.5

Prerequisites: *None*

Description: An introductory semester long visual arts course, middle school students are introduced to the principles of art and elements of design through a variety of 2D and 3D mediums. Using original sources, students create a variety of expressive artworks. Specific techniques and master artists are introduced to create observational pieces.

Art 2 Foundation
Course: 8534 Grade: 7-8 Unit: 0.5

Prerequisites: *MS Art 1 Studio or Foundation*

Description: This is the second semester art course for middle school students in the visual arts sequence. Students compare and contrast the principles of art and elements of design by illustrating ideas from direct observation, original sources and imagination using a variety of 2D, 3D and digital media. Students use an understanding of copyright and public domain to appropriate imagery. Individual portfolios are developed. Students investigate art history and participate in oral critiques.

Art 3 Foundation
Course: 8535 Grade: 8 Unit: 0.5

Prerequisites: *MS Art 1 Studio or Foundation and MS Art 2 Studio or Foundation*

This is the third and final semester art course for middle school students in the visual arts sequence. Using appropriation, students create a variety of experimental artworks to express contemporary, political and cultural themes. Applying accurate vocabulary, students analyze cultural ideas expressed in artworks and investigate fine arts, design and museum careers. Student exhibits are encouraged.

COMPUTER SCIENCE & TECHNOLOGY COURSES

Technology Applications
Course: 2530 Grade: 6-8 Unit: 1

Prerequisites: *None*

Description: Through the study of technology applications, students make informed decisions by understanding current and emerging technologies, including technology systems, appropriate digital tools, and personal learning networks. As competent researchers and responsible digital citizens, students use creative and computational thinking to solve problems while developing career and college readiness skills. Typical instructional unit of the course is one semester

Technology Applications (Sheltered)
Course: 2532 Grade: 6-8 Unit: 1

Prerequisites: *LPAC Recommendation*

Description: Sheltered classes provide accommodations for English language learners through ESL teaching strategies, but the course content is not modified. This course covers the same concepts, knowledge, and skills covered in the general curriculum.

Introduction to Programming
Course: 4879 Grade: 6-8 Unit: 1

Prerequisites: *Technology Applications (Recommended)*

Description: Students will learn programming and problem-solving strategies to create animations and games in a variety of graphical environments. This course will prepare students for computer science courses in high school. Careers in computing will be discussed. Typical instructional unit of the course is one semester.

Introduction to Robotics
Course: 4877 Grade: 6-8 Unit: 1

Prerequisites: *Technology Applications (Recommended)*

Description: Students will learn the basics of mechanics, programming and engineering, while they work in teams to design and build robots in a fun and challenging environment. Careers in robotics, programming, and engineering will be discussed. Typical instructional unit of the course is one semester.

Advanced Robotics
Course: 4977 Grade: 6-8 Unit: 1

Prerequisites: *Introduction to Robotics or Teacher Recommendation*

Description: Students will extend learning of mechanics, programming and engineering, while they work in teams to design and build robots in a fun and challenging environment. Careers in robotics, programming, and engineering will be discussed. Typical instructional unit of the course is one semester.

Advanced Robotics II
Course: 4978 Grade: 6-8 Unit: 1

Prerequisites: *Introduction to Robotics or Teacher Recommendation*

Description: Students will learn the basics of mechanics, programming and engineering, while they work in teams to design and build robots in a fun and challenging environment. Careers in robotics, programming, and engineering will be discussed. Typical instructional unit of the course is two semesters (full-year).

CAREER & TECHNICAL EDUCATION COURSES

College and Career Readiness
Course: 7458 Grade: 7-8 Unit: 0.5

Prerequisites: *None*

Description: The career development process is unique to every person and evolves throughout one's life. Students will use decision-making and problem-solving skills for college and career planning. Students will explore valid, reliable educational and career information to learn more about themselves and their interests and abilities. Students integrate skills from academic subjects, information technology, and interpersonal communication to make informed decisions. This course is designed to guide students through the process of investigation and in the development of a college and career readiness achievement plan. Students will use interest inventory software or other tools available to explore college and career areas of personal interest. Students will use this information to explore educational requirement for various colleges and a variety of chosen career paths.

Investigating Careers: General College and Career
Course: 7461 Grade: 7-8 Unit: 0.5

Prerequisites: *None*

Description: The goal of this course is to create a culture of high expectation and continuous improvement that provides middle school students with a foundation for success in high school, future studies, and careers. Students explore college and career planning within specific career cluster(s). The students research labor market information, learn jobs seeking skills, and create documents required for employment. Students use self-knowledge to explore and set realistic goals. Districts have the flexibility of offering career exploration knowledge and skills in a variety of instructional arrangements.

PLTW- Gateway to Technology I: Design, Modeling and Automation (High School Credit)
Course: 7662 Grade: 6-8 Credit: 0.5

Prerequisites: *None*

Description: Design & Modeling Students apply the design process to solve problems and understand the influence of creativity and innovation in their lives. They work in teams to design a playground and furniture, capturing research and ideas in their engineering notebooks. Using Autodesk® design software, students create a virtual image of their designs and produce a portfolio to showcase their innovative solutions. Automation & Robotics Students trace the history, development, and influence of automation and robotics as they learn about mechanical systems, energy transfer, machine automation, and computer control systems. Students use the VEX Robotics® platform to design, build, and program real-world objects, such as traffic lights, toll booths, and robotic arms.

PLTW- Gateway to Technology II: Applied Science and Technology (High School Credit)
Course: 7663 Grade: 6-8 Credit: 0.5

Prerequisites: *None*

Description: Science of Technology Science impacts the technology of yesterday, today, and the future. Students apply the concepts of physics, chemistry, and nanotechnology to STEM activities and projects, including making ice cream, cleaning up an oil spill, and discovering the properties of nanomaterials. Magic of Electrons Through hands on projects, students explore electricity, the behavior and parts of atoms, and sensing

devices. They learn knowledge and skills in basic circuitry design and examine the impact of electricity on the world around them.

PLTW- Gateway to Technology III: Energy, Environment and Flight (High School Credit)
Course: 7664 Grade: 6-8 Credit: 0.5

Prerequisites: *None*

Description: Energy & the Environment Students think toward the future as they explore sustainable solutions to our energy needs and investigate the impact of energy on our lives and the world. They design and model alternative energy sources and evaluate options for reducing energy consumption. Flight & Space The exciting world of aerospace comes alive through Flight & Space. Students explore the science behind aeronautics and use their knowledge to design, build, and test an airfoil. Custom built simulation software allows students to experience space travel.

PLTW- Gateway to Technology IV: Architecture and Biomedical Sciences (High School Credit)
Course: 7665 Grade: 6-8 Credit: 0.5

Prerequisites: *None*

Description: Green Architecture In this unit, students learn how to apply this concept to the fields of architecture and construction by exploring dimensioning, measuring, and architectural sustainability as they design affordable housing units using Autodesk's® 3D architectural design software

Medical Detectives Students play the role of real-life medical detectives as they analyze genetic testing results to diagnose disease and study DNA evidence found at a "crime scene." They solve medical mysteries through hands-on projects and labs, investigate how to measure and interpret vital signs, and learn how the systems of the human body work together to maintain health.

PLTW- Gateway to Technology V: Computer Science and App Creators (High School Credit)
Course: 6166 Grade: 6-8 Credit: 0.5

Prerequisites: *None*

Description: App Creators Introduces students to computer science by computationally analyzing and developing solutions to authentic problems through mobile app development as well as the impacts of computer science to other disciplines and society.

Computer Science Students discover computer science concepts and skills by creating personally relevant, tangible, and shareable projects. Students will learn about programing for the physical world by blending hardware design and software development. They will design and develop a physical computing device, interactive art installation, or wearable technology, and plan and develop code for microcontrollers that bring their physical designs to life.

Professional Communications (High School Credit)
Course: 7464 Grade: 6-8 Credit: 0.5

Prerequisites: *None*

Description: Communications careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. In this course students develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

Principles of Art A/V Technology and Communications (High School Credit)
Course: 7463 Grade: 6-8 Credit: 1

Prerequisites: *None*

Description: This course focuses on familiarizing students with career opportunities, explores skills, concepts and educational background necessary for a career in audio, video, animation, graphic design and digital illustration careers. Students research companies specializing in these fields as well as degree programs preparing candidates for these careers. A survey of drawing/design principles and related computer software is also a component of this course.

Principles of Business, Marketing and Finance (High School Credit)
Course: 7465 Grade: 6-8 Credit: 1

Prerequisites: *None*

Description: In this course students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, product pricing and business ethics. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of

interesting and relevant activities, problems and settings in business, marketing, and finance.

Touch System Data Entry (High School Credit)
Course: 7466 Grade: 6-8 Credit: 0.5

Prerequisites: *None*

Description: Students become proficient in technical skills needed to address business applications of emerging technologies in our global community. Though this coursework, students will enhance reading, writing, computing, communications, and reasoning skills and apply them to the business environment.

Lifetime Nutrition and Wellness (High School Credit)
Course: 7467 Grade: 6-8 Credit: 0.5

Prerequisites: *None*

Description: In this laboratory course students investigate and practice concepts concerning lifetime nutrition and wellness, such as the nutritive value of food, the relationship between activity levels and caloric intake, weight management, diet related disease management, food allergies, digestion, metabolism, balanced diets, food safety and sanitation, nutrient retentive and diet specific food preparation methods, and careers in the field of nutrition.

Principles of Information Technology (High School Credit)
Course: 7468 Grade: 6-8 Credit: 1
Prerequisites: *None*

Description: In this course students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment.

Principles of Education and Training (High School Credit)
Course: 7707 Grade: 6-8 Credit: 1

Prerequisites: *None*

Description: Principles of Education and Training is designed to introduce learners to the various careers available within the Education and Training Career Cluster. Students use self-knowledge as well as educational and career information to analyze various careers within the Education and Training Career Cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

Principles of Law, Public Safety, Corrections, and Security (High School Credit)
Course: 7706 Grade: 6-8 Credit: 1

Prerequisites: *None*

Description: Principles of Law, Public Safety, Corrections, and Security introduces students to professions in law enforcement, protective services, corrections, firefighting, and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, protective services, and corrections.

Principles of Applied Engineering (High School Credit)
Course: 7469 Grade: 6-8 Credit: 0.5

Prerequisites: *None*

Description: This course provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students use a variety of computer hardware and software applications to complete assignments and projects and work on a design team to develop a product or system to prepare and present course assignments. Upon completing this course, students have an understanding of the various fields and will be able to make informed decisions regarding a coherent sequence of subsequent courses.

Computer Science Fundamentals (High School Credit)
Course: 4005 Grade: 7-8 Credit: 1

Prerequisites: *Technology Applications*

Description: Computer Science Fundamentals is an introductory Computer Science course that empowers students to create authentic artifacts and engage with CS as a medium for creativity, communication, problem solving, and fun. This course is intended to be offered to eighth graders for high school credit.

DALLAS INDEPENDENT SCHOOL DISTRICT

High School

Course Offerings

ENGLISH LANGUAGE ARTS COURSES

English I
Course: 1200 Grade: 9 Credit: 1

Prerequisites: *Official promotion to or placement in high school*

Description: This course requires students to read a variety of genres, including fiction, nonfiction, poetry, and drama; to write a variety of compositions, including planning, drafting, editing, and revising based on feedback from their teacher and their peers; and to engage in listening and speaking while building academic vocabulary. Through text-dependent reading and evidence-based writing and discussion, students will master grade level ELAR standards (and ELPS as applicable).

English I Pre-AP
Course: 1211 Grade: 9 Credit: 1

Prerequisites: *Reading Language Arts 8 or Reading Language Arts 8 Pre-AP*

Description: This course requires students to read a variety of genres, including fiction, nonfiction, poetry, and drama; to write a variety of compositions, including planning, drafting, editing, and revising based on feedback from their teacher and their peers; and to engage in listening and speaking while building academic vocabulary. Through text-dependent reading and evidence-based writing and discussion, students will master grade level ELAR standards (and ELPS as applicable). Standards are taught at greater levels of rigor so that they are prepared to master the challenging reading and writing assignments in later Advanced Placement courses.

English I (Sheltered)
Course: 1280 Grade: 9 Credit: 1

Prerequisites: *LPAC Recommendation*

Description: This course requires students to read a variety of genres, including fiction, nonfiction, poetry, and drama; to write a variety of compositions, including planning, drafting, editing, and revising based on feedback from their teacher and their peers; and to engage in listening and speaking while building academic vocabulary. Through text-dependent reading and evidence-based writing and discussion, students will master grade level ELAR standards and the ELPS. Sheltered classes provide accommodations for English language learners through ESL teaching strategies, but the course content consists of the same concepts, knowledge, and skills as the general curriculum.

English II
Course: 1300 Grade: 10 Credit: 1

Prerequisites: *English I*

Description: This course requires students to read a variety of genres, including fiction, nonfiction, poetry, and drama; to write a variety of compositions, including planning, drafting, editing, and revising based on feedback from their teacher and their peers; and to engage in listening and speaking while building academic vocabulary. Through text-dependent reading and evidence-based writing and discussion, students will master grade level ELAR standards (and ELPS as applicable).

English II Pre-AP
Course: 1303 Grade: 10 Credit: 1

Prerequisites: *English I or English I Pre-AP*

Description: This course requires students to read a variety of genres, including fiction, nonfiction, poetry, and drama; to write a variety of compositions, including planning, drafting, editing, and revising based on feedback from their teacher and their peers; and to engage in listening and speaking while building academic vocabulary. Through text-dependent reading and evidence-based writing and discussion, students will master grade level ELAR standards (and ELPS as applicable). Standards are taught at greater levels of rigor so that they are prepared to master the challenging reading and writing assignments in later Advanced Placement courses.

English II (Sheltered)
Course: 1283 Grade: 10 Credit: 1

Prerequisites: *English I ESOL Intermediate or Sheltered English I*

Description: This course requires students to read a variety of genres, including fiction, nonfiction, poetry, and drama; to write a variety of compositions, including planning, drafting, editing, and revising based on feedback from their teacher and their peers; and to engage in listening and speaking while building academic vocabulary. Through text-dependent reading and

evidence-based writing and discussion, students will master grade level ELAR standards and the ELPS. Sheltered classes provide accommodations for English language learners through ESL teaching strategies, but the course content consists of the same concepts, knowledge, and skills as the general curriculum.

English III
Course: 1400 Grade: 11 Credit: 1

Prerequisites: *English II*

Description: This course requires students to read a variety of genres, including fiction, nonfiction, poetry, and drama; to write a variety of compositions, including planning, drafting, editing, and revising based on feedback from their teacher and their peers; and to engage in listening and speaking while building academic vocabulary. Through text-dependent reading and evidence-based writing and discussion, students will master grade level ELAR standards (and ELPS as applicable).

English III (Sheltered)
Course: 1360 Grade: 11 Credit: 1

Prerequisites: *English II ESOL or Sheltered English II*

Description: This course requires students to read a variety of genres, including fiction, nonfiction, poetry, and drama; to write a variety of compositions, including planning, drafting, editing, and revising based on feedback from their teacher and their peers; and to engage in listening and speaking while building academic vocabulary. Through text-dependent reading and evidence-based writing and discussion, students will master grade level ELAR standards and the ELPS. Sheltered classes provide accommodations for English language learners through ESL teaching strategies, but the course content consists of the same concepts, knowledge, and skills as the general curriculum.

English IV
Course: 1500 Grade: 12 Credit: 1

Prerequisites: *English III*

Description: This course requires students to read a variety of genres, including fiction, nonfiction, poetry, and drama; to write a variety of compositions, including planning, drafting, editing, and revising based on feedback from their teacher and their peers; and to engage in listening and speaking while building academic vocabulary. Through text-dependent reading and evidence-based writing and discussion, students will master grade level ELAR standards (and ELPS as applicable).

English IV (Sheltered)
Course: 1365 Grade: 12 Credit: 1

Prerequisites: *Sheltered English III*

Description: This course requires students to read a variety of genres, including fiction, nonfiction, poetry, and drama; to write a variety of compositions, including planning, drafting, editing, and revising based on feedback from their teacher and their peers; and to engage in listening and speaking while building academic vocabulary. Through text-dependent reading and evidence-based writing and discussion, students will master grade level ELAR standards and the ELPS. Sheltered classes provide accommodations for English language learners through ESL teaching strategies, but the course content consists of the same concepts, knowledge, and skills as the general curriculum.

English Language Arts Applications and Study Skills
Course: 1525 Grade: 12 Credit: 1

Prerequisites: *8th grade STAAR Reading scaled scored below Approaches*

Description: This course provides local credit only for students who require additional interventions with Reading Language Arts.

Communication Applications
Course: 1944 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: In this required course, students identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations.

Professional Communications
Course: 7380 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a

strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

Practical Writing Skills

Course: 1533 Grade: 11-12 Credit: 1

Prerequisites: *None*

Description: In this course, students use the writing process and available technology to produce a variety of written communications, especially those used in professional settings such as business letters, applications, resumes, and inquiries. The conventions of written language are employed to produce error-free writing appropriate for audience and purpose. Students evaluate their own writing as well as that of others. This class is also available as a one-semester course (.5 credits) under the course # 1534.

Creative/Imaginative Writing

Course: 1532 Grade: 10-12 Credit: 0.5

Prerequisites: *English I*

Description: This rigorous workshop seminar provides experience in writing in several genres. Students engage in an editing and revision process designed to produce error-free compositions suitable for publishing. Students examine important examples of literature in relevant genres as models and as subjects for technical analysis. This class is also available as a full year course (1 credit) under the course # 1535.

Literary Genres

Course: 1554 Grade: 10-12 Credit: 0.5

Prerequisites: *English I*

Description: In this course, students build an extensive vocabulary through wide reading of a variety of genres. There is an emphasis on analyzing common themes in a variety of cultures. Students use writing to analyze literature and communicate with other writers. This class is also available as a full year course (1 credit) under the course # 1559.

Visual Media Analysis and Production

Course: 1548 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: In this course, students will learn to recognize and interpret visual representations as they apply to visual media. Students will also critique and analyze the significance of visual representations and learn to produce media messages that communicate with others.

Humanities

Course: 1549 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: In this course, students visit museums, conduct formal research, and use a variety of primary and secondary sources as they study relationships among art, architecture, religion, philosophy, music, literature, and other creative endeavors in historic and contemporary world cultures. Their analysis includes how artistic expression, religion, and philosophy illuminate the human spirit. Students develop a portfolio of representative selections and responses and produce oral and written presentations using various media. This class is also available as a one-semester course (.5 credits) under the course # 1550.

College Readiness and Study Skills

Course: 1227 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: This course teaches study skills and additional strategies for text-based learning in multiple content areas, including learning vocabulary, summarizing, identifying main ideas, and drawing inferences and conclusions. Students present their responses to text in a variety of ways.

Research and Technical Writing

Course: 1228 Grade: 11-12 Credit: 0.5

Prerequisites: *English II*

Description: In this course, students learn to to organize information, to document sources, and to create bibliographies as they write a research paper. The course focuses on technical writing skills, including inductive and deductive reasoning, technical descriptions, paragraph development, and writing selected technical reports.

Business English
Course: 7156 Grade: 12 Credit: 1

Prerequisites: *English III*

Description: In this course students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English and produce final, error-free drafts for business reproduction.

Independent Study in English
Course: 7599 Grade: 12 Credit: 1

Prerequisites: *Seniors only*

Description: In this seminar conducted under the supervision of a teacher, students prepare three independent projects for evaluation, each including a reading list, formal writing, and oral presentation with visuals. Projects may reach beyond literature, but must involve reading, research, and writing on an advanced level with a thesis approved by the instructor. Students report weekly on the progress of their projects and use peer editing and revision extensively before the final presentations. Students also produce an anthology of selections from their ongoing discoveries. This class is also available as a one-semester course (.5 credit) under the course # 7600.

Reading I
Course: 1224 Grade: 9-12 Credit: 1

Prerequisites: *Reading two grade levels below peers as measured by a reading screener*

Description: This course is designed for the most struggling readers. The recommended curriculum for this course is System 44. This course is also available at two other levels, each offering 1 credit: course # 1229, Reading II; and course # 1235, Reading III. READ 180 is the recommended curriculum for Reading II and III.

Journalism I
Course: 1900 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This introductory course includes gathering facts, determining newsworthiness, developing interviewing skills, creating headlines and captions, and writing news stories. It also includes applying editing skills, studying journalistic style, examining the freedom and responsibility of the press, and applying the principles and ethics of journalism.

Advanced Broadcast Journalism I
Course: 1891 Grade: 10-12 Credit: 11

Prerequisites: *Journalism I*

Description: In this course, students study radio and television broadcasting. This includes issues in the legal and ethical responsibilities of print and non-print media, as well as the analysis of print and non-print media coverage of news. They organize, edit, and select news copy to fill a designated broadcast time slot. This course is also available at two other levels, each offering 1 credit: course # 1894, Advanced Broadcast Journalism II; and course # 1897, Advanced Broadcast Journalism III.

Advanced Broadcast Journalism I (Newspaper)
Course: 1910 Grade: 10-12 Credit: 1

Prerequisites: *Journalism I*

Description: In this course, students apply skills learned in Journalism to newspaper production. They practice determining news coverage and editorial policy. Students select, crop, and scale photographs. This course requires considerable time outside school hours. This course is also available at two other levels, each offering 1 credit: course # 1923, Advanced Broadcast Journalism II (Newspaper); and course # 1965, Advanced Broadcast Journalism III (Newspaper).

Advanced Broadcast Journalism I (Yearbook)
Course: 1915 Grade: 10-12 Credit: 1

Prerequisites: *Journalism I*

Description: In this course, students' study and apply the journalistic skills and processes necessary to produce a yearbook. They develop skills in fact gathering, photography, writing headlines and captions, graphic design and layout, proofreading, editing, and advertising. This course requires considerable time outside school hours. This course is also available at two other levels, each offering 1 credit: course # 1926, Advanced Journalism II (Yearbook); and course # 1968, Advanced Journalism III (Yearbook).

Photojournalism
Course: 1975 Grade: 9-12 Credit: 1

Prerequisites: *Journalism I*

Description: This course includes a study of the use of photography in journalism and the application of photographic skills for journalistic purposes. Students develop competence in taking, developing, and presenting news photographs for use in school publications. This course requires considerable time outside school hours.

Independent Study in Journalism
Course: 1977 Grade: 12 Credit: 1

Prerequisites: *Seniors only*

Description: This course includes activities individually designed for students whose level of achievement in journalism allows them to pursue work individually or in small groups, with the teacher serving as an advisor. It emphasizes research, print or non-print production of original work, or extended development of a skill or specific area of study. This class is also available as a one-semester course (.5 credit) under the course #1978.

Contemporary Media
Course: 1961 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This course includes a study of the role of media within academic, social, and democratic processes. It examines how media influence opinions, purchasing, and voting decisions. Students examine the historical development of different mass media and related technologies. Students plan, produce, present, and evaluate media messages. They develop ways to improve media and formulate guidelines for using media effectively to achieve governmental, societal, and cultural goals.

Public Speaking I
Course: 1945 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: This course introduces the concepts and skills for preparing and presenting public messages as well as analyzing and evaluating messages from others. Students study style, organization, and delivery of messages, including diction, voice, posture, and eye contact. Students are encouraged to participate in competitions. This course is also available at two other levels, each offering 1 credit: course # 1950, Public Speaking II; and course # 1955, Public Speaking III.

Debate I
Course: 1962 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This course examines the historical and contemporary role of debate in the democratic process. Students analyze and evaluate propositions and construct valid approaches to both affirmative and negative arguments. They practice effective extemporaneous speaking skills and provide valid and constructive critiques of others. Students are encouraged to participate in competitions. This course is also available at two other levels, each offering 1 credit: course # 1963, Debate II; and course # 1964, Debate III.

Oral Interpretation I
Course: 1552 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: In this course, students create oral performances using self-selected pieces of literature. They select, research, analyze, adapt, interpret, and perform literary texts. Individual and group performances of literature are presented and evaluated. Students are encouraged to participate in competitions. This course is also available at two other levels, each offering 1 credit: course # 1553, Oral Interpretation II; and course # 1555, Oral Interpretation III.

Independent Study in Speech
Course: 1990 Grade: 12 Credit: 1

Prerequisites: *Seniors only*

Description: In addition to the regular curriculum, students are required to complete long-term, teacher-directed projects. This class is also available as a one-semester course (0.5 credit) under the course # 1995.

Advanced Placement Courses

AP English III-Language and Composition
Course: 1515 Grade: 11 Credit: 1

Prerequisites: *English II or English II Pre-AP*

Description: This course provides instruction and practice in reading a variety of genres, writing a wide variety of compositions, and listening and speaking. It requires a

high degree of commitment to rigorous academic work in order to meet college standards. Students learn grammar, usage, vocabulary, and style analysis in preparation for the AP Language and Composition exam. The course engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Students are strongly encouraged to take the AP exam. A syllabus approved by the College Board is required.

AP English IV- Literature and Composition
Course: 1505 Grade: 12 Credit: 1

Prerequisites: *English III or AP English III*

Description: This course provides instruction and practice in reading a variety of genres, writing a wide variety of compositions, and listening and speaking. It requires a high degree of commitment to rigorous academic work in order to meet college standards and in preparation for the AP Literature and Composition exam. It engages students in both wide and careful reading of imaginative literature. Writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. Students are strongly encouraged to take the AP exam. A syllabus approved by the College Board is required.

BILINGUAL ESL COURSES

English I ESOL
Course: 1370 (Beginner) Grade: 9 Credit: 1
1266 (Intermediate)

Prerequisites: *Students who have completed 3 or more years or US schooling AND/OR have previously received a TELPAS score of "Advanced" or "Advanced High" are NOT eligible to receive credit for this course.*

Description: This course for English language learners incorporates the components of balanced literacy as students read a variety of genres, including fiction, nonfiction, poetry, and drama; write a variety of compositions, including planning, drafting, editing, and revising based on feedback from their teacher and their peers; and engage in listening and speaking while building academic vocabulary. Through text dependent reading and evidence-based writing and discussion, students will work towards mastery of grade level ELAR and ESOL standards and the ELPS. Course content is adapted and scaffolded as appropriate for student language proficiency levels.

English II ESOL
Course: 1264 Grade: 10 Credit: 1

Prerequisites: *English I ESOL: Students can ONLY receive graduation credit for this course if they are within their first three cumulative years of enrollment in US schools and have not yet received an "Advanced" or "Advanced High" TELPAS rating at the time they begin t*

Description: This course for English language learners incorporates the components of balanced literacy as students read a variety of genres, including fiction, nonfiction, poetry, and drama; write a variety of compositions, including planning, drafting, editing, and revising based on feedback from their teacher and their peers; and engage in listening and speaking while building academic vocabulary. Through text-dependent reading and evidence-based writing and discussion, students will work towards mastery of grade level ELAR and ESOL standards and the ELPS. Course content is adapted and scaffolded as appropriate for student language proficiency levels.

ESL Reading I (Local)
Course: 1262 Grade: 9 Credit: 1

Prerequisites: *None*

Description: This course for beginner and intermediate English language learners' addresses reading comprehension, fluency, critical thinking skills, vocabulary development, and listening and speaking skills with English as a Second Language support. Students will continue their study of the ELAR and ELPS standards by reading a variety of genres (including fiction and nonfiction), providing written responses to texts and discussing texts.

ESL Reading II (Local)
Course: 1265 Grade: 10 Credit: 1

Prerequisites: *Suggested - ESL Reading I*

Description: This course for beginner and intermediate English language learners' addresses reading comprehension, fluency, critical thinking skills, vocabulary development, and listening and speaking skills with English as a Second Language support. Students will continue their study of the ELAR and ELPS standards by reading a variety of genres (including fiction

and nonfiction), providing written responses to texts and discussing texts.

ESL Reading III (Local)
Course: TBD Grade: 11 Credit: 1

Prerequisites: *Suggested – ESL Reading I & II*

Description: This course for beginner and intermediate English language learners' addresses reading comprehension, fluency, critical thinking skills, vocabulary development, and listening and speaking skills with English as a Second Language support. Students will continue their study of the ELAR and ELPS standards by reading a variety of genres (including fiction and nonfiction), providing written responses to texts and discussing texts.

Practical Writing ESOL
Course: 1263 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: In this course, students use the writing process and available technology to produce a variety of written communications especially those used in professional settings such as business letters, applications, resumes, and inquiries. The conventions of written language is employed to produce error free writing appropriate for audience and purpose. Students evaluate their own writing as well as that of others.

English for SIFE- Students with Interrupted Formal Education (Local)
Course: 1260 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: Language Arts support course for struggling English learners to be taken in addition to ESOL and ESL Reading courses.

Reading for SIFE- Students with Interrupted Formal Education (Local)
Course: 1261 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: Reading support course for struggling English learners to be taken in addition to ESOL and ESL Reading courses.

ESOL Support for Algebra I (Local)
Course: 1333 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: Support class for struggling English learners to be taken in addition to (NOT in place of) Algebra I.

ESOL Support for Biology (Local)
Course: 1348 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: Support class for struggling English learners to be taken in addition to (NOT in place of) Biology.

MATHEMATICS COURSES

Algebra I
Course: 2600 Grade: 9 Credit: 1

Prerequisites: *Math 8*

Description: In Algebra I, students will build on the knowledge and skills for mathematics in Grades 6 – 8, which provide a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations. The intent is to ensure students are adequately prepared for the Algebra I EOC, Geometry, and Algebra II.

Algebra I Pre-AP
Course: 2599 Grade: 9 Credit: 1

Prerequisites: *Math 8*

Description: Students enrolled in Algebra I Pre-AP will learn all Algebra I standards, but at a higher level of rigor. The intent is to ensure students are adequately prepared for the Algebra I EOC, Geometry Pre-AP, and Algebra II Pre-AP.

Math Applications and Study Skills (Local)
Course: 7053 Grade: 9-12 Credit: 1

Prerequisites: *Concurrent enrollment with another high school mathematics course*

Description: This course may be used as a second mathematics course to deepen conceptual understanding and provide students who need instructional intervention with additional learning opportunities focused on the math TEKS SEs. It is the responsibility of the teacher to design an individualized curriculum and select appropriate materials for students based on student data and need. NOTE: this course is for LOCAL CREDIT ONLY and is NOT intended for use to prepare for academic competitions.

Strategic Learning for High School Mathematics
Course: 6618 Grade: 9-10 Credit: 1

Prerequisites: *Algebra I or Algebra I Pre-AP (completion or concurrent enrollment); failure of Math 8 STAAR or Algebra I EOC*

Description: Strategic Learning for HS Math is a class intended to support students who are concurrently in Algebra I and did not pass the Math 8 STAAR examination or passed Algebra I but did not pass the Algebra I EOC. In addition to Algebra I TEKS, the course covers test taking strategies, organizational skills, and learning processes. The course is intended to create strategic math learners from underprepared students. Note: this course counts for academic credit, but not for math credit to be applied toward class ranking calculations.

Geometry
Course: 2630 Grade: 9-11 Credit: 1

Prerequisites: *Algebra I or Algebra I Pre-AP (completion or concurrent enrollment)*

Description: In Geometry, students will build on the knowledge and skills for mathematics in Kindergarten – Grade 8 and Algebra I to strengthen their mathematical reasoning skills in geometric contexts. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. The intent is to ensure students are adequately prepared for Algebra II and Precalculus.

Geometry Pre-AP
Course: 2660 Grade: 9-10 Credit: 1

Prerequisites: *Algebra I or Algebra I Pre-AP (completion or concurrent enrollment)*

Description: Students enrolled in Geometry I Pre-AP will learn all Geometry standards, but at a higher level of rigor. The intent is to ensure students are adequately prepared for Algebra II Pre-AP and Precalculus Pre-AP.

Mathematical Models and Applications
Course: 2934 Grade: 10-11 Credit: 1

Prerequisites: *Algebra I or Algebra I Pre-AP*

Description: Mathematical Models with Applications is designed to build on the knowledge and skills for mathematics in Kindergarten – Grade 8 and Algebra I. This mathematics course provides a path for students to succeed in Algebra II and prepares them for various postsecondary choices. Students learn to apply mathematics through experiences in personal finance, science, engineering, fine arts, and social sciences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, model information, solve problems, and communicate solutions. Students will select from tools such as physical objects; manipulatives; technology, including graphing calculators, data collection devices, and computers; and paper and pencil and from methods such as algebraic techniques, geometric reasoning, patterns, and mental math to solve problems.

Algebraic Reasoning
Course: 2616 Grade: 10-11 Credit: 1

Prerequisites: *Algebra I or Algebra I Pre-AP*

Description: In Algebraic Reasoning, students will build on the knowledge and skills for mathematics in Kindergarten – Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness

such as probes, measurement tools, and software tools, including spreadsheets.

Algebra II

Course: 2720 Grade: 10-12 Credit: 1

Prerequisites: *Algebra I or Algebra I Pre-AP*

Description: In Algebra II, students will build on the knowledge and skills for mathematics in Kindergarten – Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods. The intent is to ensure students are adequately prepared for Precalculus or Advanced Quantitative Reasoning.

Algebra II Pre-AP

Course: 2730 Grade: 10-11 Credit: 1

Prerequisites: *Algebra I or Algebra I Pre-AP*

Description: Students enrolled in Algebra II Pre-AP will learn all Algebra II standards, but at a higher level of rigor. The intent is to ensure students are adequately prepared for Precalculus Pre-AP as well as AP and IB mathematics courses.

Precalculus

Course: 2840 Grade: 10-12 Credit: 1

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP*

Description: Precalculus is the preparation for calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

Precalculus Pre-AP

Course: 2845 Grade: 10-12 Credit: 1

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP*

Description: Students enrolled in Precalculus Pre-AP will learn all Precalculus standards, but at a higher level of rigor. The intent is to ensure students are adequately prepared for collegiate level and AP mathematics courses.

Statistics

Course: 2615 Grade: 10-12 Credit: 1

Prerequisites: *Algebra I or Algebra I Pre-AP*

Description: In HS Statistics, students build on the mathematics knowledge and skills from Kindergarten – grade 8 and Algebra I, broadening their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations and extend their knowledge of data analysis.

Advanced Quantitative Reasoning

Course: 2727 Grade: 10-12 Credit: 1

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP*

Description: In Advanced Quantitative Reasoning, students will develop and apply skills necessary for college, careers, and life. Course content consists primarily of applications of high school mathematics concepts to prepare students to become well-educated and highly informed 21st century citizens. Students will develop and apply reasoning, planning, and communication to make decisions and solve problems in applied situations involving numerical reasoning, probability, statistical analysis, finance, mathematical selection, and modeling with algebra, geometry, trigonometry, and discrete mathematics.

Independent Study in Math - Math for Teachers I
Course: 2639 Grade: 10-12 Credit: 0.5

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP; acceptable TSIA Math score, Algebra I EOC score of 4000, or PSAT Math score of 510*

Description: Students who enroll in and complete Mathematics for Teachers I (Math 1350) at a Dallas County Community College District campus will receive 0.5 high school math credit. This course is intended to build or reinforce a foundation in fundamental mathematics concepts and skills. It includes the conceptual development of the following: sets, functions, numeration systems, number theory, and properties of the various number systems with an emphasis on problem solving and critical thinking.

Independent Study in Math - Math for Teachers II
Course: 2640 Grade: 10-12 Credit: 0.5

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP; acceptable TSIA Math score, Algebra I EOC score of 4000, or PSAT Math score of 510; DCCCD Math 1350*

Description: Students who enroll in and complete Mathematics for Teachers II (Math 1351) cat a Dallas County Community College District campus will receive 0.5 high school math credit. This course is intended to build or reinforce a foundation in fundamental mathematics concepts and skills. It includes the concepts of geometry, measurement, probability, and statistics with an emphasis on problem solving and critical thinking.

Independent Study in Math - Math for Business and Social Sciences Sem 1
Course: 2941 Grade: 10-12 Credit: 0.5

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP; acceptable TSIA Math score, Algebra I EOC score of 4000, or PSAT Math score of 510*

Description: Students who enroll in and complete Math for Business and Social Sciences (Math 1324) at a Dallas County Community College District campus will receive 0.5 high school math credit. In this course, the application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value.

Independent Study in Math - Math for Business and Social Sciences Sem 2
Course: 2942 Grade: 10-12 Credit: 0.5

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP; acceptable TSIA Math score, Algebra I EOC score of 4000, or PSAT Math score of 510*

Description: Students who enroll in and complete Math for Business and Social Sciences (Math 1324) at a Dallas County Community College District campus will receive 0.5 high school math credit. In this course, the application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value.

Independent Study in Math (First Time Taken)
Course: 2918 Grade: 10-12 Credit: 1
2919

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP*

Description: In Independent Study in Mathematics, students will extend their mathematical understanding beyond the Algebra II level in a specific area or areas of mathematics such as theory of equations, number theory, non-Euclidean geometry, linear algebra, advanced survey of mathematics, or history of mathematics. Distict approval required for selection of topics (0.5 credit per course) .

Independent Study in Math (Second Time Taken)
Course: 2920 Grade: 10-12 Credit: 1
2921

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP*

Description: In Independent Study in Mathematics, students will extend their mathematical understanding beyond the Algebra II level in a specific area or areas of mathematics such as theory of equations, number theory, non-Euclidean geometry, linear algebra, advanced survey of mathematics, or history of mathematics. District approval required for selection of topics (0.5 credit per course) .

Independent Study in Math (Third Time Taken)
Course: 2922 Grade: 10-12 Credit: 1
2923

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP*

Description: In Independent Study in Mathematics, students will extend their mathematical understanding beyond the Algebra II level in a specific area or areas of mathematics such as theory of equations, number theory, non-Euclidean geometry, linear algebra, advanced survey of mathematics, or history of mathematics. District approval required for selection of topics (0.5 credit per course).

Linear Algebra
Course: 2844 Grade: 11-12 Credit: 0.5

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP; completion of Calculus BC*

Description: Students are introduced to linear algebra, a subject with widespread applications in other areas of mathematics. Students begin with vectors and matrices and progress to systems of linear equations before gradually becoming acquainted with vector spaces and linear transformations. Note: this single-semester course counts for academic elective credit, but not for math credit to be applied toward class ranking calculations.

Multivariable Calculus
Course: 2843 Grade: 11-12 Credit: 1

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP; completion of Calculus BC*

Description: Multivariable Calculus takes the concepts learned in single variable calculus and extends them to multiple dimensions. Students will study vectors, vector-valued functions, functions of multiple variables, multiple integration, and vector analysis. Students will connect functions and their solutions in mathematical and real-world situations. Students will use technology to model vectors and functions in a 3-D coordinate system. Note: this course counts for academic elective credit, but not for math credit to be applied toward class ranking calculations.

Advanced Placement Courses

AP Statistics
Course: 2928 Grade: 11-12 Credit: 1

Prerequisites: *Geometry Pre-AP; Algebra II Pre-AP; Precalculus Pre-AP (recommended)*

Description: AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

AP Calculus AB
Course: 2900 Grade: 11-12 Credit: 1

Prerequisites: *Geometry Pre-AP; Algebra II Pre-AP; Precalculus Pre-AP (recommended)*

Description: AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

AP Calculus BC
Course: 2897 Grade: 11-12 Credit: 1

Prerequisites: *Geometry Pre-AP; Algebra II Pre-AP; Precalculus Pre-AP (recommended)*

Description: AP Calculus BC is an intermediate college-level calculus course. Students explore the concepts, methods, and applications of differential and integral calculus, including topics such as parametric, polar, and vector functions, and series. Students perform experiments and investigations and solve problems by applying your knowledge and skills.

AP Computer Science A - Math
Course: 5712 Grade: 10-12 Credit: 1

Prerequisites: *Algebra I or Algebra I Pre-AP; concurrent enrollment in AP Computer Science A - LOTE (5715)*

Description: AP Computer Science A introduces students to computer science through programming. Fundamental

topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. Approved College Board teacher syllabus required. NOTE: This course awards two credits total - one for math and one for LOTE. To accommodate this, AP Computer Science A – MATH is corequisite with AP Computer Science A – LOTE. Enrollment and scheduling are to be concurrent.

Dual Credit Courses

Advanced Quantitative Reasoning

Course: 2723 Grade: 10-12 Credit: 1
2724

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP; acceptable TSIA Math score, Algebra I EOC score of 4000, or PSAT Math score of 510*

Description: Students who enroll in and complete the single-semester Contemporary Mathematics (Math 1332) course at a Dallas County Community College District campus will receive 1 credit for both semesters of AQR. Students enrolled in AQR Dual Credit will learn all AQR standards, but at a pace of a college class, presented by a college-certified instructor (0.5 credit per course) .

Precalculus Sem 1

Course: 2850 Grade: 10-12 Credit: 0.5

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP; acceptable TSIA Math score, Algebra I EOC score of 4000, or PSAT Math score of 510*

Description: Students who enroll in and complete College Algebra (Math 1314) at a Dallas County Community College District campus will receive 0.5 credit for Semester 1 of Precalculus.Students enrolled in Precalculus Dual Credit will learn all Precalculus standards, but at a pace of a college class, presented by a college-certified instructor.

Precalculus Sem 2

Course: 2851 Grade: 10-12 Credit: 0.5

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP; acceptable TSIA Math score, Algebra I EOC score of 4000, or PSAT Math score of 510*

Description: Students who enroll in and complete Plane Trigonometry (Math 1316) at a Dallas County Community College District campus will receive 0.5 credit for Semester 2 of Precalculus.Students enrolled in Precalculus Dual Credit will learn all Precalculus standards, but at a pace of a college class, presented by a college-certified instructor.

Statistics

Course: 2619 Grade: 10-12 Credit: 1
2620

Prerequisites: *Algebra I or Algebra I Pre-AP; acceptable TSIA Math score, Algebra I EOC score of 4000, or PSAT Math score of 510*

Description: Students who enroll in and complete the single-semester Elementary Statistical Methods (Math 1342) course at a Dallas County Community College District campus will receive 1 credit for both semesters of HS Statistics. Students enrolled in Statistics Dual Credit will learn all HS Statistics standards, but at a pace of a college class, presented by a college-certified instructor.

Independent Study in Math - Calculus for Business and Social Sciences

Course: 2944 Grade: 10-12 Credit: 0.5

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP; acceptable TSIA Math score, Algebra I EOC score of 4000, or PSAT Math score of 510; DCCCD Math 1314 or 1324*

Description: Students who enroll in and complete Calculus for Business and Social Sciences (Math 1325) at a Dallas County Community College District campus will receive 0.5 high school math credit. This course is the basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on applications in business, economics, and social sciences. This course is not a substitute for MATH 2413, Calculus I. This course is cross-listed as MATH 1425. The student may register for either MATH 1325 or MATH 1425 but may receive credit for only one of the two.

Independent Study in Math - College Precalculus

Course: 2926 Grade: 10-12 Credit: 0.5

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP; acceptable TSIA Math score, Algebra I EOC score of 4000, or PSAT Math score of 510; DCCCD Math 1316*

Description: Students who enroll in and complete College Precalculus (Math 2412) at a Dallas County Community

College District campus will receive 0.5 high school math credit. This course consists of the study of algebraic and trigonometric topics including polynomial, rational, exponential, logarithmic and trigonometric functions and their graphs. Conic sections, polar coordinates, and other topics of analytic geometry will be included.

Independent Study in Math - Calculus I

Course: 2943 Grade: 10-12 Credit: 0.5

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP; acceptable TSIA Math score, Algebra I EOC score of 4000, or PSAT Math score of 510; DCCCD Math 2412*

Description: Students who enroll in and complete Calculus I (Math 2413) at a Dallas County Community College District campus will receive 0.5 high school math credit. This course is a study of limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas.

Independent Study in Math 2 - Linear Algebra 1

Course: 2641 Grade: 11-12 Credit: 0.5

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP; completion of Calculus BC; Townview SEM only*

Description: Students who enroll in and complete Linear Algebra (Math 2318) at a Dallas County Community College District campus will receive 0.5 high school math credit. This course introduces and provides models for application of the concepts of vector algebra. Topics include finite dimensional vector spaces and their geometric significance; representing and solving systems of linear equations using multiple methods, including Gaussian elimination and matrix inversion; matrices; determinants; linear transformations; quadratic forms; eigenvalues and eigenvectors; and applications in science and engineering. Notes: For Townview SEM students only. This course is cross-listed as DCCCD MATH 2418 (Dallas ISD course 2642). The student may register for either MATH 2318 or MATH 2418 but may receive credit for only one of the two.

Independent Study in Math 2 - Linear Algebra 2

Course: 2642 Grade: 11-12 Credit: 0.5

Prerequisites: *Geometry or Geometry Pre-AP; Algebra II or Algebra II Pre-AP; completion of Calculus BC; Townview SEM only*

Description: Students who enroll in and complete Linear Algebra (Math 2418) at a Dallas County Community College District campus will receive 0.5 high school math credit. This course introduces and provides models for application of the concepts of vector algebra. Topics include finite dimensional vector spaces and their geometric significance; representing and solving systems of linear equations using multiple methods, including Gaussian elimination and matrix inversion; matrices; determinants; linear transformations; quadratic forms; eigenvalues and eigenvectors; and applications in science and engineering. Notes: For Townview SEM students only. This course is cross-listed as DCCCD MATH 2318 (Dallas ISD course 2641). The student may register for either MATH 2318 or MATH 2418 but may receive credit for only one of the two.

SCIENCE COURSES

Biology

Course: 3150 Grade: 9-11 Credit: 1

Prerequisites: *None*

Description: This course addresses all Biology TEKS SEs. In Biology, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. Students study a variety of topics such as the structures and functions of cells and viruses; growth and development of organisms; cells, tissues and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content.

Biology Pre-AP
Course: 3190 Grade: 9-11 Credit: 1

Prerequisites: *None*

Description: This course addresses all Biology TEKS SEs. In Biology, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. Students study a variety of topics such as the structures and functions of cells and viruses; growth and development of organisms; cells, tissues and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content. This course extends the biology concepts found in the TEKS SEs with an emphasis on preparing students to take AP Biology.

Biology (Sheltered)
Course: 3140 Grade: 9-11 Credit: 1

Prerequisites: *None*

Description: This course addresses all Biology TEKS SEs. In Biology, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. Students study a variety of topics such as the structures and functions of cells and viruses; growth and development of organisms; cells, tissues and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content. Sheltered classes provide accommodations for English learners through EL teaching strategies, but the course content is not modified. This course covers the same concepts, knowledge, and skills covered in the general curriculum (course #3150).

Chemistry
Course: 3220 Grade: 10-12 Credit: 1

Prerequisites: *One unit of high school Science and Algebra I*

Suggested Prerequisites: Completion of or concurrent enrollment in a second year of high school mathematics

Description: This course addresses all Chemistry TEKS SEs. In chemistry, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content.

Chemistry Pre-AP
Course: 3210 Grade: 10-12 Credit: 1

Prerequisites: *One unit of high school Science and Algebra I*

Suggested Prerequisites: Completion of or concurrent enrollment in a second year of high school mathematics

Description: This course addresses all Chemistry TEKS SEs. In chemistry, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content. This course extends the chemistry concepts found in the TEKS SEs with an emphasis on preparing students to take AP Chemistry.

Chemistry (Sheltered)
Course: 3217 Grade: 10-12 Credit: 1

Prerequisites: *One unit of high school Science and Algebra I*

Suggested Prerequisites: Completion of or concurrent enrollment in a second year of high school mathematics

Description: This course addresses all Chemistry TEKS SEs. In chemistry, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and

the use and conservation of resources are integrated into the content. Sheltered classes provide accommodations for English learners through EL teaching strategies, but the course content is not modified. This course covers the same concepts, knowledge, and skills covered in the general curriculum (course #3220).

Integrared Physics and Chemistry (IPC)
Course: 3276 Grade: 9-10 Credit: 1

Prerequisites: *None*

Description: This course addresses all Integrated Physics and Chemistry TEKS SEs. In IPC, the study of science includes a minimum of 40% of instructional time for conducting laboratory and field investigations. This course integrates the disciplines of physics and chemistry, including the following topics: force, motion, energy, and matter. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content.

Integrared Physics and Chemistry (IPC) (Sheltered)
Course: 3280 Grade: 9-10 Credit: 1

Prerequisites: *None*

Description: This course addresses all Integrated Physics and Chemistry TEKS SEs. In IPC, the study of science includes a minimum of 40% of instructional time for conducting laboratory and field investigations. This course integrates the disciplines of physics and chemistry, including the following topics: force, motion, energy, and matter. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content. Sheltered classes provide accommodations for English learners through EL teaching strategies, but the course content is not modified. This course covers the same concepts, knowledge, and skills covered in the general curriculum (course #3276).

Physics
Course: 3260 Grade: 9-12 Credit: 1

Prerequisites: *None*

Suggested Prerequisites: Algebra I or concurrent enrollment in Algebra I

Description: This course addresses all Physics TEKS SEs. In Physics, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. It provides a conceptual framework, factual knowledge, and analytical and scientific skills. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content.

Physics Pre-AP
Course: 3245 Grade: 9-12 Credit: 1

Prerequisites: *None*

Suggested Prerequisites: Algebra I or concurrent enrollment in Algebra I

Description: This course addresses all Physics TEKS SEs. In Physics, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. It provides a conceptual framework, factual knowledge, and analytical and scientific skills. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content. This course extends the physics concepts found in the TEKS SEs with an emphasis on preparing students to take AP Physics.

Dual Language- Physics Pre-AP
Course: 3264 Grade: 9-12 Credit: 1

Prerequisites: *None*

Suggested Prerequisites: Algebra I or concurrent enrollment in Algebra I

Description: This course addresses all Physics TEKS SEs. In Physics, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. It provides a conceptual framework, factual knowledge, and analytical and scientific skills. Scientific process skills (process

standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content. This course extends the physics concepts found in the TEKS and SEs with an emphasis on preparing students to take AP Physics. Dual language students are provided opportunities to transfer language from Spanish to English using specialized vocabulary enrichment.

Physics (Sheltered)
Course: 3230 Grade: 9-12 Credit: 1

Prerequisites: *None (LEP students only)*

Suggested Prerequisites: Algebra I or concurrent enrollment in Algebra I

Description: This course addresses all Physics TEKS SEs. In Physics, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. It provides a conceptual framework, factual knowledge, and analytical and scientific skills. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content. Sheltered classes provide accommodations for English learners through EL teaching strategies, but the course content is not modified. This course covers the same concepts, knowledge, and skills covered in the general curriculum (course #3260).

Science Applications and Study Skills
Course: 3270 Grade: 10-12 Credit: 1

Prerequisites: *Concurrent with a high school science course*

Description: This course may be used as a second science course to deepen conceptual understanding and provide students who need instructional intervention with additional learning opportunities focused on the science TEKS SEs. It is the responsibility of the teacher to design an individualized curriculum and select appropriate materials for students based on student data and need. This course is for local credit only and is NOT intended for use to prepare for decathlon competitions or Science & Engineering Fair competitions.

Advanced Animal Science
Course: 7241 Grade: 11-12 Credit: 1

Prerequisites: *Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra 1 and Geometry; and either Small Animal Management, Equine Science, or Livestock Production*

Suggested Prerequisites: Veterinary Medical Applications

Description: This course addresses all of the Advanced Animal Science TEKS SEs.This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Students conduct field and laboratory investigations. Areas of study include animal reproduction and breeding, molecular genetics and heredity, animal anatomy and physiology, nutritional requirements of ruminant and nonruminant animals, and animal diseases and parasites.

Advanced Plant and Soil Science
Course: 7574 Grade: 11-12 Credit: 1

Prerequisites: *Biology, Integrated Physics and Chemistry (IPC), Chemistry, or Physics and a minimum of 1 credit from the courses in Agriculture, Food, and Natural Resources Career Cluster*

Description: This course addresses all of the Advanced Plant and Soil Science TEKS SEs. Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. Investigations, laboratory practices, and field exercises will be used to develop an understanding of current plant and soil science. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science in the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.

Anatomy and Physiology
Course: 7455 Grade: 10-12 Credit: 1

Prerequisites: *Biology and a second science course*

Suggested Prerequisites: a course from the Health Science Career Cluster

Description: This course addresses all of the Anatomy and Physiology TEKS SEs. In Anatomy and Physiology, the study of science includes at least 40% laboratory investigation and fieldwork using appropriate scientific inquiry. In this course, students conduct laboratory investigations and fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

Aquatic Science

Course: 3132 Grade: 10-12 Credit: 1

Prerequisites: *One unit of high school Biology*

Suggested Prerequisites: Chemistry or concurrent enrollment in Chemistry

Description: This course addresses all of the Aquatic Science TEKS SEs. In Aquatic Science, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Investigations and field work in this course may emphasize freshwater or marine aspects of aquatic science depending primarily upon the natural resources available for study near the school.

Aquatic Science (Sheltered)

Course: 3229 Grade: 10-12 Credit: 1

Prerequisites: *One unit of high school Biology (LEP students only)*

Suggested Prerequisites: Chemistry or concurrent enrollment in Chemistry

Description: This course addresses all of the Aquatic Science TEKS SEs. In Aquatic Science, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Investigations and field work in this course may emphasize freshwater or marine aspects of aquatic science depending primarily upon the natural resources available for study near the school. Sheltered classes provide accommodations for English learners through EL teaching strategies, but the course content is not modified. This course covers the same concepts, knowledge, and skills covered in the general curriculum (course #3132).

Astronomy

Course: 3125 Grade: 11-12 Credit: 1

Prerequisites: *None*

Suggested Prerequisites: One unit of high school science

Description: This course addresses all of the Astronomy TEKS SEs. In Astronomy, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. This course includes the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the Moon, and reasons for the seasons, planets, the Sun, stars, galaxies, cosmology, and space exploration.

Dual Language- Astronomy

Course: 3000 Grade: 11-12 Credit: 1

Prerequisites: *None*

Suggested Prerequisites: One unit of high school science

Description: This course addresses all of the Astronomy TEKS SEs. In Astronomy, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. This course includes the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the Moon, and reasons for the seasons, planets, the Sun, stars, galaxies, cosmology, and space exploration. Dual language students are provided opportunities to transfer language from Spanish to English using specialized vocabulary enrichment.

Astronomy (Sheltered)

Course: 3139 Grade: 11-12 Credit: 1

Prerequisites: *None (LEP students only)*

Suggested Prerequisites: One unit of high school science

Description: This course addresses all of the Astronomy TEKS SEs. In Astronomy, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. This course includes the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the Moon, and reasons for the seasons, planets, the Sun, stars, galaxies, cosmology, and space exploration. Sheltered classes provide accommodations for English learners through EL teaching strategies, but the course content is not

modified. This course covers the same concepts, knowledge, and skills covered in the general curriculum (course #3125).

Biotechnology I

Course: 7177 Grade: 11-12 Credit: 1

Prerequisites: *BIOLOGY*

Suggested Prerequisites: Principles of Biosciences and Chemistry

Description: This course addresses all of the Biotechnology I TEKS SEs. In Biotechnology I, the study of science includes at least 40% laboratory investigation and fieldwork using appropriate scientific inquiry. Students will apply advanced academic knowledge and skills to the emerging fields of biotechnology such as agricultural, medical, regulatory, and forensics. Students will have the opportunity to use sophisticated laboratory equipment, perform statistical analysis, and practice quality-control techniques. Students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biotechnology I will study a variety of topics that include structures and functions of cells, nucleic acids, proteins, and genetics.

Earth and Space Science

Course: 3107 Grade: 11-12 Credit: 1

Prerequisites: *Three units of science, one of which may be taken concurrently, and three units of mathematics, one of which may be taken concurrently*

Description: This course addresses all of the Earth and Space Science TEKS SEs. In Earth and Space Science, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. Earth and Space Science (ESS) is a capstone course designed to build on students' prior scientific and academic knowledge and skills to develop an understanding of Earth's system in space and time. This course focuses on three themes: Earth in Space and Time, Solid Earth, and Fluid Earth.

Earth and Space Science (Sheltered)

Course: 3248 Grade: 11-12 Credit: 1

Prerequisites: *Three units of science, one of which may be taken concurrently, and three units of mathematics, one of which may be taken concurrently (LEP students only)*

Description: This course addresses all of the Earth and Space Science TEKS SEs. In Earth and Space Science, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. Earth and Space Science (ESS) is a capstone course designed to build on students' prior scientific and academic knowledge and skills to develop an understanding of Earth's system in space and time. This course focuses on three themes: Earth in Space and Time, Solid Earth, and Fluid Earth. Sheltered classes provide accommodations for English learners through EL teaching strategies, but the course content is not modified. This course covers the same concepts, knowledge, and skills covered in the general curriculum (course #3107).

Engineering Design and Problem Solving

Course: 7578 Grade: 11-12 Credit: 1

Prerequisites: *Algebra 1 and Geometry*

Suggested Prerequisite: Two Science, Technology, Engineering, and Mathematics (STEM) Career Cluster Credits

Description: This course addresses all of the Engineering Design and Problem Solving TEKS SEs. In Engineering Design and Problem Solving, the study of science includes at least 40% laboratory investigation and fieldwork using appropriate scientific inquiry. Engineering design is the creative process of solving problems by identifying needs and then devising solutions. This solution may be a product, technique, structure, process, or many other things depending on the problem. Science aims to understand the natural world, while engineering seeks to shape this world to meet human needs and wants. Engineering design takes into consideration limiting factors or "design under constraint." Various engineering disciplines address a broad spectrum of design problems using specific concepts from the sciences and mathematics to derive a solution. The design process and problem solving are inherent to all engineering disciplines. Engineering Design and Problem Solving reinforces and integrates skills learned in previous mathematics and science courses. Additionally, the course promotes interest in and understanding of career opportunities in engineering.

Engineering Science
Course: 7723 Grade: 10-12 Credit: 1

Prerequisites: *Algebra 1 and Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics*

Suggested Prerequisites: Geometry

Description: This course addresses all of the Engineering Science TEKS SEs. In Engineering Science, the study of science includes at least 40% laboratory investigation and fieldwork using appropriate scientific inquiry. Engineering Science is an engineering course designed to expose students to some of the major concepts and technologies that they will encounter in a postsecondary program of study in any engineering domain. Students will have an opportunity to investigate engineering and high-tech careers. In Engineering Science, students will employ science, technology, engineering, and mathematical concepts in the solution of real-world challenge situations. Students will develop problem solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community.

Environmental Systems
Course: 3128 Grade: 11-12 Credit: 1

Prerequisites: *None*

Suggested Prerequisite: One unit of high school Life Science and one unit of high school Physical Science

Description: This course addresses all of the Environmental Systems TEKS SEs. In Environmental Systems, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. This course emphasizes a variety of topics that include biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

Environmental Systems (Sheltered)
Course: 3231 Grade: 11-12 Credit: 1

Prerequisites: *None (LEP students only)*

Suggested Prerequisite: One unit of high school Life Science and one unit of high school Physical Science

Description: This course addresses all of the Environmental Systems TEKS SEs. In Environmental Systems, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. This course emphasizes a variety of topics that include biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments. Sheltered classes provide accommodations for English learners through EL teaching strategies, but the course content is not modified. This course covers the same concepts, knowledge, and skills covered in the general curriculum (course #3128).

Food Science
Course: 7289 Grade: 11-12 Credit: 1

Prerequisites: *Three units of Science, including Chemistry and Biology*

Suggested Prerequisites: Principles of Hospitality and Tourism

Description: This course addresses all of the Food Science TEKS SEs. In Food Science, the study of science includes at least 40% laboratory investigation and fieldwork using appropriate scientific inquiry. Students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public.

Forensic Science
Course: 7333 Grade: 11-12 Credit: 1

Prerequisites: *Biology and Chemistry*

Suggested Prerequisites: Any Law, Public Safety, Corrections, and Safety Cluster Course

Description: This course addresses all of the Forensic Science TEKS SEs. In Forensic Science, the study of science includes at least 40% laboratory investigation and fieldwork using appropriate scientific inquiry. Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in

criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science.

Medical Microbiology

Course: 7670 Grade: 10-12 Credit: 1

Prerequisites: *Biology and Chemistry*

Suggested Prerequisites: A course from the Health Science Career Cluster

Description: This course addresses all of the Medical Microbiology TEKS SEs. In Medical Microbiology, the study of science includes at least 40% laboratory investigation and fieldwork using appropriate scientific inquiry. The Medical Microbiology course is designed to explore the microbial world, studying topics such as pathogenic and nonpathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases.

Pathophysiology

Course: 7456 Grade: 11-12 Credit: 1

Prerequisites: *Biology and Chemistry*

Suggested Prerequisites: A course from the Health Science Career Cluster

Description: This course addresses all of the Pathophysiology TEKS SEs. In Pathophysiology, the study of science includes at least 40% laboratory investigation and fieldwork using appropriate scientific inquiry. In this course, students conduct laboratory investigations and fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Students study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of diseases. Students will differentiate between normal and abnormal physiology.

Principles of Technology

Course: 7184 Grade: 10-12 Credit: 1

Prerequisites: *One unit of high school Science and Algebra I*

Description: This course addresses all of the Principles of Technology TEKS SEs. In Principles of Technology, the study of science includes at least 40% laboratory investigation and fieldwork using appropriate scientific inquiry. In this course, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems will be described in terms of space, time, energy, and matter. Students study a variety of topics that include laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, characteristics and behavior of waves, apply physics concepts, and perform laboratory experiments.

Principles of Technology (Sheltered)

Course: 3249 Grade: 10-12 Credit: 1

Prerequisites: *One unit of high school Science and Algebra I (LEP students only)*

Description: This course addresses all of the Principles of Technology TEKS SEs. In Principles of Technology, the study of science includes at least 40% laboratory investigation and fieldwork using appropriate scientific inquiry. In this course, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems will be described in terms of space, time, energy, and matter. Students study a variety of topics that include laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, characteristics and behavior of waves, apply physics concepts, and perform laboratory experiments. Sheltered classes provide accommodations for English learners through EL teaching strategies, but the course content is not modified. This course covers the same concepts, knowledge, and skills covered in the general curriculum (course #7184).

Scientific Research and Design

Course: 7185 Grade: 11-12 Credit: 1

Prerequisites: *Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics*

Suggested Prerequisites: Two Science, Technology, Engineering, and Mathematics (STEM) Career Cluster Credits

Description: In this course students formulate hypotheses to guide experimentation and data collection; analyze published research; develop and implement investigative designs; collect, organize, and evaluate qualitative and quantitative data obtained through experimentation; synthesize valid conclusions from qualitative and quantitative data; and communicate conclusions clearly and concisely to an audience of professionals. Various systems are described in terms of

space, time, energy, and matter. Students study a variety of topics related to the nature of science, scientific inquiry, science and social ethics, and scientific systems and use critical thinking, scientific reasoning and problem solving to make informed decisions while developing complex science projects. Students must meet the 40% laboratory and fieldwork requirement.

Scientific Research and Design II

Course: 7134 Grade: 11-12 Credit: 1

Prerequisites: *Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics*

Suggested Prerequisites: Two Science, Technology, Engineering, and Mathematics (STEM) Career Cluster Credits

Description: In this course students formulate hypotheses to guide experimentation and data collection; analyze published research; develop and implement investigative designs; collect, organize, and evaluate qualitative and quantitative data obtained through experimentation; synthesize valid conclusions from qualitative and quantitative data; and communicate conclusions clearly and concisely to an audience of professionals. Various systems are described in terms of space, time, energy, and matter. Students study a variety of topics related to the nature of science, scientific inquiry, science and social ethics, and scientific systems and use critical thinking, scientific reasoning and problem solving to make informed decisions while developing complex science projects. Students must meet the 40% laboratory and fieldwork requirement.

Scientific Research and Design III

Course: 7135 Grade: 11-12 Credit: 1

Prerequisites: *Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics*

Suggested Prerequisites: Two Science, Technology, Engineering, and Mathematics (STEM) Career Cluster Credits

Description: In this course students formulate hypotheses to guide experimentation and data collection; analyze published research; develop and implement investigative designs; collect, organize, and evaluate qualitative and quantitative data obtained through experimentation; synthesize valid conclusions from qualitative and quantitative data; and communicate conclusions clearly and concisely to an audience of professionals. Various systems are described in terms of space, time, energy, and matter. Students study a variety of topics related to the nature of science, scientific inquiry, science and social ethics, and scientific systems and use critical thinking, scientific reasoning and problem solving to make informed decisions while developing complex science projects. Students must meet the 40% laboratory and fieldwork requirement.

Electricity and Magnetism

Course: 3097 Grade: 11-12 Credit: 0.5

Prerequisites: *Successful completion or concurrent enrollment in AP Physics and AP Calculus AB.*

Recommended Prerequisites: Successful completion or concurrent enrollment in AP Calculus BC.

Description: Electricity and Magnetism is designed to provide an in-depth introduction to the concepts of electricity and electronics for the student who plans to major in an engineering discipline at the university level. With a concentrated and extended study of electricity and magnetism, the student will be aptly prepared to enter the highly competitive university environment.

Introduction to Renewable Energy

Course: 3096 Grade: 9 Credit: 1

Prerequisites: *None*

Description: This course provides the foundation for a deeper understanding of the problems, issues, perspectives, and developments in the areas of bio-fuels, solar and wind energy. A significant focus of the course will be on critical and creative thinking, problem solving, and communication of ideas relating to renewable energy.

Modern Physics

Course: Grade: TBD Credit: 1

Prerequisites: *Physics, Precalculus, and Geometry. Calculus concurrent would be beneficial, but not required.*

Description: Students will gain an understanding of how science works; what motivates it, how initially promising ideas are refuted by continued research, and the consequences of science on other fields and society in general.

Organic Chemistry

Course: Grade: TBD Credit: 1

Prerequisites: *AP Chemistry*

Description: Organic Chemistry is an introductory course that is designed for the student who intends to continue

future study in the sciences. The student will learn the concepts and applications of organic chemistry.

Planet Earth
Course: 3111 Grade: 10 Credit: 1

Prerequisites: *Completion or concurrent enrollment in Biology and Chemistry.*

Description: Planet Earth focuses on the complex, dynamic relationship between the planet and its life, tracing it through the Earth's geologic history. Portions of the course include the emerging, integrative science now being referred to as Geobiology at the college level.

Science and Technology
Course: 3110 Grade: 9 Credit: 1

Prerequisites: *None*

Description: Science and Technology (SciTech) is a high-level, hands-on science and engineering course. Through self and peer evaluation, SciTech requires students to interact verbally, in writing, and through improving the performance of devices.

Advanced Placement Courses

AP Biology
Course: 3200 Grade: 10-12 Credit: 1

Prerequisites: *Biology and Chemistry*

College Board Suggested Prerequisites: Biology and Chemistry

Description: AP Biology is an introductory college level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: chemistry of life, cell structure and function, cellular energetics, cell communication and cell cycle, heredity, gene expression and regulation, natural selection, and ecology. This course requires 25% of the instructional time be spent on hands-on laboratory work with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. Approved College Board teacher syllabus required.

AP Chemistry
Course: 3235 Grade: 11-12 Credit: 1

Prerequisites: *Chemistry and Algebra II*

College Board Suggested Prerequisites: Chemistry and Algebra II

Description: The AP Chemistry course provides students with a college level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore the following topics: atomic structure and properties, molecular and ionic compound structure and properties, intermolecular forces and properties, chemical reactions, kinetics, thermodynamics, equilibrium, acids and bases, and applications of thermodynamics. This course requires that 25% of instructional time engages students in lab investigations. This includes a minimum of 16 hands-on labs (at least six of which are inquiry-based). It is recommended that students keep a lab notebook throughout the course. Approved College Board teacher syllabus required.

AP Environmental Science
Course: 3115 Grade: 11-12 Credit: 1

Prerequisites: *Algebra I and two years of high school laboratory Science, including one year of Life Science and one year of Physical Science*

College Board Suggested Prerequisites: Algebra I and two years of high school laboratory Science, including one year of Life Sc

Description: AP Environmental Science is an introductory college level environmental science course. Students cultivate their understanding of environmental science through inquiry-based investigations as they explore the following topics: ecosystems, biodiversity, populations, Earth systems and resources, land and water use, energy resources and consumption, atmospheric pollution, aquatic and terrestrial pollution, and global change. Although there are no specific AP Environmental Science labs or field investigations required for the course, it is required that students have the opportunity to spend a minimum of 25% of instructional time engaged in hands-on, inquiry-based laboratory and/or fieldwork investigations. Approved College Board teacher syllabus required.

AP Physics 1
Course: 6896 Grade: 10-12 Credit: 1

Prerequisites: *Algebra I, Geometry and concurrent enrollment in a Mathematics course from House Bill 5, §74.12(b)(2)(B)*

College Board Suggested Prerequisites: Geometry and concurrent enrollment in Algebra II

Description: Although the AP Physics 1 course includes basic use of trigonometric functions, this understanding

can be gained either in a concurrent math course or in the AP Physics 1 course itself. Content requirements for Advanced Placement (AP) Physics 1 are prescribed by the College Board. This course is an algebra-based, introductory college level physics course that explores topics such as kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, and mechanical waves and sound. This course requires that 25% of instructional time will be spent on hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to demonstrate the foundational physics principles and apply the science practices. Colleges may require students to present their laboratory materials from AP science courses before granting college credit for laboratory work, so students should be encouraged to retain their laboratory notebooks, reports, and other materials. Approved College Board teacher syllabus required.

AP Physics 2

Course: 6901 Grade: 11-12 Credit: 1

Prerequisites: *AP Physics I or Comparable Physics introductory course*

TEA Suggested Corequisite: Precalculus or equivalent course

College Board Suggested Prerequisites: AP Physics I or comparable introductory Physics course and concurrent enrollment in Precalculus or

Description: Content requirements for Advanced Placement (AP) Physics 2 are prescribed by the College Board. This course is an algebra-based, introductory college level course that explores topics such as fluid pressure and forces; thermodynamics; electric force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics.This course requires that 25% of instructional time will be spent on hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to demonstrate the foundational physics principles and apply the science practices. Colleges may require students to present their laboratory materials from AP science courses before granting college credit for laboratory work, so students should be encouraged to retain their laboratory notebooks, reports, and other materials. Approved College Board teacher syllabus required.

AP Physics C - Mechanics

Course: 3250 Grade: 11-12 Credit: 1

Prerequisites: *Calculus (may be taken concurrently)*

College Board Suggested Prerequisites: Calculus (may be taken concurrently)

Description: Content requirements for Advanced Placement (AP) Physics are prescribed by the College Board. This course is designed to be the equivalent of a semester of calculus-based college science credit in mechanics for scientists and engineers. It emphasizes the study of mechanics only. This course explores the following topics: kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; rotation; oscillations; and gravitation. Students may choose only one AP Physics C course. AP Physics C: Mechanics should include a hands-on laboratory component comparable to a semester-long introductory college-level physics laboratory. Students should spend a minimum of 25% of instructional time engaged in hands-on laboratory work. Each student should complete a lab notebook or portfolio of lab reports. Approved College Board teacher syllabus required.

AP Physics C - Electricity and Magnetism (with Mechanics)

Course: 3256 Grade: 11-12 Credit: 1

Prerequisites: *Calculus (may be taken concurrently)*

College Board Suggested Prerequisites: Calculus (may be taken concurrently)

Description: Content requirements for Advanced Placement (AP) Physics are prescribed by the College Board. This course is designed to be the equivalent of two semesters of calculus-based college science in mechanics and electromagnetism for scientists and engineers. The course emphasizes the study of both mechanics and electromagnetism. This course explores the following topics: electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Students may choose only one AP Physics C course. AP Physics C: Electricity and Magnetism should include a hands-on laboratory component comparable to a semester-long introductory college-level physics laboratory. Students should spend a minimum of 25% of instructional time engaged in hands-on laboratory work. Each student should complete a lab notebook or portfolio of lab reports. Approved College Board teacher syllabus required.

SOCIAL STUDIES COURSES

World Geography Studies
Course: 2120 Grade: 9-10 Credit: 1

Prerequisites: *None*

Description: Description: This course emphasizes conceptual understanding of how interactions between people and culture with their physical environments in the major regions of the world impact socities. Students describe the influence of geography on events of the past and present with emphasis on contemporary issues. NOTE: Students may not combine World History and World Geography semesters to meet graduation requirements

World Geography Pre-AP
Course: 2125 Grade: 9-10 Credit: 1

Prerequisites: *None*

Description: Description: This course emphasizes conceptual understanding of how interactions between people and culture with their physical environments in the major regions of the world impact socities. Students describe the influence of geography on events of the past and present with emphasis on contemporary issues. Pre-AP will include: free response questions, document based questions (persuasive and compare/contrast), image analysis, low and high stakes writing to accelerate the curriculum by adding depth and complexity. NOTE: Students may not combine World History and World Geography semesters to meet graduation requirements

World History Studies
Course: 2105 Grade: 9-10 Credit: 1

Prerequisites: *None*

Description: This course emphasizes the diversity and commonality of human experiences and the understanding of how these patterns occurred over time. The major emphasis is on the political, economic, geographic, and social study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world.

World History Pre-AP
Course: 2110 Grade: 9-10 Credit: 1

Prerequisites: *None*

Description: This course emphasizes the diversity and commonality of human experiences and the understanding of how these patterns occurred over time. The major emphasis is on the political, economic, geographic, and social study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. Pre- AP will include: free response questions, document based questions (persuasive and compare/contrast), image analysis, low and high stakes writing to accelerate the curriculum by adding depth and complexity.

United States History Studies Since 1877
Course: 2320 Grade: 10-11 Credit: 1

Prerequisites: *None*

Description: This required course emphasizes the study of significant people, issues, and events of US history from 1877 to the present. Additionally, this course will trace US history not just within our national boundaries, but will consider the ways in which the US shaped, and was shaped by, global events as its international presence increased throughout the nineteenth and twentieth centuries. Throughout the course the areas of concentration will be economic, social, political, and cultural growth of the United States.

Economics with an Emphasis on the Free Enterprise System
Course: 2351 Grade: 11-12 Credit: 0.5

Prerequisites: *None*

Description: Students will investigate the concepts of specialization and international trade, economic growth, key economic measurements, and monetary and fiscal policy. Students will study the roles of the Federal Reserve System and other financial institutions, government, and businesses in a free enterprise system. This course emphasizes the study of national income and price determination, and covers economic performance measures, economic growth, international economics and personal financial literacy.

United States Government
Course: 2307 Grade: 11-12 Credit: 0.5

Prerequisites: *None*

Description: This course involves both the study of general concepts used to interpret U.S. government and politics, as well as the analysis of specific case studies. This course is the culmination of the civic and governmental content and concepts studied from Kindergarten through required secondary courses. Students learn major political ideas and forms of government in history. The course requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality.

Mexican American Studies
Course: 2377 Grade: 9-12 Credit: 1
2378

Prerequisites: *None*

Description: In Mexican American Studies, students learn about the history and cultural contributions of Mexican Americans. Students will explore history and culture from an interdisciplinary perspective. They will have opportunities to interact with relevant film, literature, art, and other media.

African American Studies
Course: 2375 Grade: 9-12 Credit: 1
2376

Prerequisites: *None*

Description: In African American Studies, students learn about the history and cultural contributions of African Americans. Students will explore history and culture from an interdisciplinary perspective. They will have opportunities to interact with relevant film, literature, art, and other media.

Financial Literacy
Course: 2348 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: Students will gain the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. The course is designed to be an interactive and researched based course. The course will include instructions in methods of paying for college and other postsecondary education and training along with completing the application for federal student aid provided by the U.S. Department of Education. Issues such as credit, saving and investing will also be covered in the course. NOTE: This course cannot be substituted for Economics.

Psychology
Course: 2438 Grade: 10-12 Credit: 0.5

Prerequisites: *None*

Description: This course emphasizes the study of methods and theories used by psychologists to explain human behavior. Students understand that a constitutional republic is a representative form of government whose representatives derive their authority from the consent of the governed, serve for an established tenure, and are sworn to uphold the constitution.

Sociology
Course: 2437 Grade: 10-12 Credit: 0.5

Prerequisites: *None*

Description: This course examines dynamics and models of individual and group relationships. Students study topics such as the history and systems of sociology, cultural and social norms, social institutions, and mass communication. This course will describe the development of the field as a social science by identifying methods and strategies of research leading to an understanding of how the individual relates to society and the ever-changing world. Students will also learn the importance and role of culture, social structure, socialization, and social change in today's society. In an increasingly interdependent world, students need to recognize how group behavior affects both the individual and society.

Social Studies Advanced Studies
Course: 2365 Grade: 9-12 Credit: 0.5

Prerequisites: *Approval by Social Studies Department. Submit proposal with the standards and topics outlined to the Social Studies.*

Description: Students will earn state credit for developing, researching, and presenting their mentorship or independent study advanced measure. This course provides students an opportunity to conduct in depth research, prepare a product of professional quality, and present their findings to appropriate audiences. Students investigate a problem or concern related to global social

and political issues, and research topics using a variety of technologies.

Social Studies Advanced Studies 2

Course: 2366 Grade: 9-12 Credit: 0.5

Prerequisites: *Approval by Social Studies Department. Submit proposal with the standards and topics outlined to the Social Studies.*

Description: Students will earn state credit for developing, researching, and presenting their mentorship or independent study advanced measure. This course provides students an opportunity to conduct in depth research, prepare a product of professional quality, and present their findings to appropriate audiences. Students investigate a problem or concern related to global social and political issues, and research topics using a variety of technologies.

Special Topics in Social Studies

Course: 2363 Grade: 9-12 Credit: 0.5

Prerequisites: *Approval by Social Studies Department. Submit proposal with the standards and topics outlined to the Social Studies.*

Description: This course provides students the opportunity to apply the knowledge and skills of the social sciences to a variety of topics and issues related to United States law and legal procedures. Students analyze, evaluate, and, in some situations, resolve legal disputes. Problem solving and decision-making are important elements of the course. Students are provided the opportunity to develop a greater understanding of the historic, political, economic, geographic, multicultural, and social forces that have shaped their lives and the world in which they live.

Special Topics in Social Studies 2

Course: 2364 Grade: 9-12 Credit: 0.5

Prerequisites: *Approval by Social Studies Department. Submit proposal with the standards and topics outlined to the Social Studies.*

Description: This course provides students the opportunity to apply the knowledge and skills of the social sciences to a variety of topics and issues related to United States law and legal procedures. Students analyze, evaluate, and, in some situations, resolve legal disputes. Problem solving and decision-making are important elements of the course. Students are provided the opportunity to develop a greater understanding of the historic, political, economic, geographic, multicultural, and social forces that have shaped their lives and the world in which they live.

Special Topics in Public Service

Course: 2361 Grade: 9-12 Credit: 0.5
2362

Prerequisites: *Approval by Social Studies Department. Submit proposal with the standards and topics outlined to the Social Studies.*

Description: This course provides students the opportunity to apply the knowledge and skills of the social sciences to a variety of topics and issues related to United States law and legal procedures. Students analyze, evaluate, and, in some situations, resolve legal disputes. Problem solving and decision-making are important elements of the course. Students are provided the opportunity to develop a greater understanding of the historic, political, economic, geographic, multicultural, and social forces that have shaped their lives and the world in which they live.

Social Studies Research Methods

Course: 2439 Grade: 9-12 Credit: 0.5

Prerequisites: *Approval by Social Studies Department. Submit proposal with the standards and topics outlined to the Social Studies.*

Description: Students understand that a constitutional republic is a representative form of government whose representatives derive their authority from the consent of the governed, serve for an established tenure, and are sworn to uphold the constitution This course provides an opportunity to conduct advanced research on topics related to cultures in America and beyond its borders, using qualitative and quantitative methods of inquiry.

Social Studies Research Methods 2

Course: 2440 Grade: 9-12 Credit: 0.5

Prerequisites: *Approval by Social Studies Department. Submit proposal with the standards and topics outlined to the Social Studies.*

Description: Students understand that a constitutional republic is a representative form of government whose representatives derive their authority from the consent of the governed, serve for an established tenure, and are sworn to uphold the constitution This course provides an opportunity to conduct advanced research on topics related to cultures in America and beyond its borders, using qualitative and quantitative methods of inquiry.

Social Studies Research Methods 3
Course: 2441 Grade: 9-12 Credit: 0.5

Prerequisites: *Approval by Social Studies Department. Submit proposal with the standards and topics outlined to the Social Studies.*

Description: Students understand that a constitutional republic is a representative form of government whose representatives derive their authority from the consent of the governed, serve for an established tenure, and are sworn to uphold the constitution This course provides an opportunity to conduct advanced research on topics related to cultures in America and beyond its borders, using qualitative and quantitative methods of inquiry.

Social Studies Research Methods 4
Course: 2442 Grade: 9-12 Credit: 0.5

Prerequisites: *Approval by Social Studies Department. Submit proposal with the standards and topics outlined to the Social Studies.*

Description: Students understand that a constitutional republic is a representative form of government whose representatives derive their authority from the consent of the governed, serve for an established tenure, and are sworn to uphold the constitution This course provides an opportunity to conduct advanced research on topics related to cultures in America and beyond its borders, using qualitative and quantitative methods of inquiry.

Advanced Placement Courses

AP Human Geography
Course: 2460 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This AP course fulfills the requirement for World Geography and provides the student with a learning experience equivalent to that obtained in a college course. This course introduces the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. Approved College Board teacher syllabus required.

AP World History
Course: 2101 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This course emphasizes the diversity and commonality of human experiences and the understanding of how these patterns occurred over time. The major emphasis is on the political, economic, geographic, and social study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. Approved College Board teacher syllabus required.

AP United States History
Course: 2450 Grade: 11 Credit: 1

Prerequisites: *None*

Description: This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and issues in U. S. History. Students prepare for intermediate and advanced college courses by responding to demands equivalent to those made by full-year introductory college courses. They learn to assess historical materials and weigh evidence and interpretations presented in historical scholarship. Approved College Board teacher syllabus required.

AP U.S. Government
Course: 2312 Grade: 11-12 Credit: 0.5

Prerequisites: *U.S. History*

Description: This Advanced Placement course provides an analytical perspective on government and politics in the United States. This course is the culmination of the civic and governmental content and concepts studied from kindergarten through required secondary courses. Students learn major political ideas and forms of government in history. It includes the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. Approved College Board teacher syllabus required.

AP Economics Micro
Course: 2356 Grade: 11-12 Credit: 0.5

Prerequisites: *None*

Description: This course gives students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and the role of the government in promoting greater efficiency and equity in the economy. Approved College Board teacher syllabus required.

AP Economics Macro
Course: 2357 Grade: 11-12 Credit: 0.5

Prerequisites: *None*

Description: This course gives students a thorough understanding of the principles that apply to an economic system as a whole. It places particular emphasis on the study of national income and price-level determination, and develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth and international economics. Approved College Board teacher syllabus required.

AP European History
Course: 2455 Grade: 11-12 Credit: 1

Prerequisites: *World History Studies*

Description: This AP course emphasizes a general narrative of European History from 1450. It places attention upon understandings equivalent to those gained in a college-level introductory course. Approved College Board teacher syllabus required.

AP Comparative Govt./Politics
Course: 2313 Grade: 11-12 Credit: 0.5

Prerequisites: *None*

Description: This AP course provides students with the conceptual tools necessary to develop an understanding of some of the world's diverse political structures and practices. Approved College Board teacher syllabus required.

AP Psychology
Course: 2435 Grade: 11-12 Credit: 0.5

Prerequisites: *None*

Description: This AP course introduces the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are introduced to the psychological facts, principles, and phenomena associated with each of the major subfields of psychology as well as scientific methods and practice. Approved College Board teacher syllabus required.

DYSLEXIA COURSES

Dyslexia F HS
Course: 1270 Grade: 44086 Credit: 0.5

Prerequisites: *None*

Description: Students within this General Education course are identified students with Dyslexia through either Section 504 (services are determinedby the Section 504 committee) or Special Education (services are determined by the ARD Committee) who have not completed Dyslexia Programming. To determine if programming has been completed, please see your campus' Dyslexia Interventionist or Special Education Case Manager for more information.Wilson Reading System and/or a District Approved Dyslexia Program: This instructor led program must be taught by a certified teacher who has attended program training. The program includes direct and systemic instruciton that teaches reading and spelling with a strong empahsis on intensive phonics and alphabetics code knowledge. The multisensory lessons target instructional compenents which include both explicit and systemic instruciton in phonemic awareness, phonics, vocabulary, comprehension and spelling. NOTE: This course counts as a local credit. No grades collected. Attendance collected. Counts as instructional minutes.

Dyslexia SP HS
Course: 1271 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: Students within this General Education course are identified students with Dyslexia through either Section 504 (services are determined by the Section 504 committee) or Special Education (services

are determined by the ARD Committee) who have not completed Dyslexia Programming. To determine if programming has been completed, please see your campus' Dyslexia Interventionist or Special Education Case Manager for more information. Wilson Reading System and/or a District Approved Dyslexia Program: This instructor led program must be taught by a certified teacher who has attended program training. The program includes direct and systemic instruciton that teaches reading and spelling with a strong empahsis on intensive phonics and alphabetics code knowledge. The multisensory lessons target instructional compenents which include both explicit and systemic instruciton in phonemic awareness, phonics, vocabulary, comprehension and spelling. NOTE: This course counts as a local credit. No grades collected. Attendance collected. Counts as instructional minutes.

MODIFIED COURSES FOR STUDENTS SERVED BY SPECIAL EDUCATION

English I Modified

Course: 9751 Grade: 9 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course addresses the English/Language Arts I TEKS and focuses on reading, writing, and research, written/oral conventions, listening and speaking. In this course, students will engage in activities that build on their prior knowledge and skills in order to strengthen their reading, writing, and oral language skills. Students should read and write daily. This course contains extensive modifications as documented in each student's Individualized Education Program (IEP).

English II Modified

Course: 9753 Grade: 10 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course addresses all the English II TEKS with emphasis on forms of communication. Students will use the writing process to produce effective arguments that include information from primary and secondary sources. Students should read and write daily. This course contains extensive modifications as documented in each student's Individualized Education Program (IEP).

English III Modified

Course: 9755 Grade: 11 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course addresses the English/ Language Arts III TEKS and focuses on reading, writing, and research, written/oral conventions, listening and speaking. In this course, students will engage in activities that build on their prior knowledge and skills in order to strengthen their reading, writing, and oral language skills. Students should read and write daily. This course contains extensive modifications as documented in each student's IEP.

English IV Modified

Course: 9757 Grade: 12 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course addresses the English/ Language Arts IV TEKS and focuses on reading, writing, and research, written/oral conventions, listening and speaking. In this course, students present and review oral communications that include visuals and other media. This course contains extensive modifications as documented in each student's IEP.

Functional English I

Course: 9200 Grade: 9 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course is taught in a separate environment with extensive content modifications that focus on alternative developmental content determined by the student's Individualized Education Program (IEP). The course emphasizes an increase in communication and literacy. Students increase their expressive and receptive vocabulary, and they read or listen to a variety of literature using multimedia products and visual representations. Extensive modifications provide support to access the general education curriculum, including assistance involving communication, response style, physical access, or daily living skills. Students access and study grade level TEKS through activities that focus on prerequisite skills.

Functional English II
Course: 9201 Grade: 10 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course is taught in a separate environment with extensive content modifications that focus on alternative developmental content determined by the student's Individualized Education Program (IEP). The course emphasizes an increase in communication and literacy. Students increase their expressive and receptive vocabulary, and they read or listen to a variety of literature using multimedia products and visual representations. Extensive modifications provide support to access the general education curriculum, including assistance involving communication, response style, physical access, or daily living skills. Students access and study grade level TEKS through activities that focus on prerequisite skills.

Functional English III
Course: 9202 Grade: 11 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course is taught in a separate environment with extensive content modifications that focus on alternative developmental content determined by the student's Individualized Education Program (IEP). The course emphasizes an increase in communication and literacy. Students increase their expressive and receptive vocabulary, and they read or listen to a variety of literature using multimedia products and visual representations. Extensive modifications provide support to access the general education curriculum, including assistance involving communication, response style, physical access, or daily living skills. Students access and study grade level TEKS through activities that focus on prerequisite skills.

Functional English IV
Course: 9203 Grade: 12 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course is taught in a separate environment with extensive content modifications that focus on alternative developmental content determined by the student's Individualized Education Program (IEP). The course emphasizes an increase in communication and literacy. Students increase their expressive and receptive vocabulary, and they read or listen to a variety of literature using multimedia products and visual representations. Extensive modifications provide support to access the general education curriculum, including assistance involving communication, response style, physical access, or daily living skills. Students access and study grade level TEKS through activities that focus on prerequisite skills.

Fundamentals of Reading I
Course: 9390 Grade: 9-12 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course is taught in the Reading I general education environment or special education environment with extensive content modifications determined by the student's Individualized Education Program (IEP).

Fundamentals of Reading II
Course: 9391 Grade: 10-12 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course is instructed in the Reading II general education environment or special education environment with extensive content modifications determined by the student's Individualized Education Program (IEP). This course builds and extends the skills learned in Reading I and applies those skills to various genres of text.

Fundamentals of Reading III
Course: 9392 Grade: 11-12 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course is instructed in the Reading III general education environment or special education environment with extensive content modifications determined by the student's Individualized Education Program (IEP). This course builds and extends the skills learned in Reading II and applies those skills to texts of various length and complexity.

Reading Basic I
Course: 9759 Grade: 9-12 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course is instructed in a separate environment with specialized support that may include extensive content modifications to classroom instruction, assignments, and assessments. The content is aligned with grade- level TEKS and focuses on vocational content addressing reading basic vocabulary, comprehension,

and grammar usage determined by the student's Individualized Education Program (IEP).

Reading Basic II

Course: 9777 Grade: 10-12 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course is instructed in a separate environment with specialized support that may include extensive content modifications to classroom instruction, assignments, and assessments. The content is aligned with grade -level TEKS and focuses on vocational content addressing reading basic vocabulary, comprehension, and grammar usage determined by the student's Individualized Education Program (IEP).

Reading Basic III

Course: 9778 Grade: 11-12 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course is instructed in a separate environment with specialized support that may include extensive content modifications to classroom instruction, assignments, and assessments. The content is aligned with grade -level TEKS and focuses on vocational content addressing reading basic vocabulary, comprehension, and grammar usage determined by the student's Individualized Education Program (IEP).

Communication Applications Basic

Course: 9376 Grade: 9-12 Credit: 0.5

Prerequisites: *ARD Recommendation*

Description: This course is instructed in the general education environment or the special education environment with extensive content modifications as determined by the student's Individualized Education Program (IEP). Students identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations.

Communication Applications Functional

Course: 9377 Grade: 9-12 Credit: 0.5

Prerequisites: *ARD Recommendation*

Description: This course is instructed in a separate environment providing specialized support that includes extensive content modifications that focus on developmental content determined by the student's Individualized Education Program (IEP). Students will identify, and develop communication skills needed for social success in interpersonal situations, group interactions, and personal conversation situations

Algebra 1 Modified

Course: 9785 Grade: 9 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course addresses Algebra I TEKS SEs and provides the foundation for advanced mathematics courses in high school. The course focuses on algebraic thinking and symbolic reasoning; function concepts; the relationship between equations and functions; multiple representations, tools, and technology for expressing functions and equations; and the necessary underlying mathematical processes of algebra. This course contains extensive modifications as documented in each student's Individualized Education Program (IEP).

Geometry Modified

Course: 9787 Grade: 9-11 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course addresses Geometry TEKS SEs and focuses on geometric thinking and spatial reasoning; geometric figures and their properties; the relationship between geometry, other mathematics, and other disciplines; the tools, representations and techniques for working with spatial figures and their properties; and the necessary underlying mathematical processes. This course contains extensive modifications as documented in each student's Individualized Education Program (IEP).

Mathematical Models with Applications Modified

Course: 9576 Grade: 9-12 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course addresses Mathematical Models with Applications TEKS SEs and focuses on the use of algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines involving money, data, chance, patterns, music, design, and science. Students use a variety of representations, tools, and technology to link modeling techniques and purely mathematical concepts and to solve applied problems. This course contains extensive modifications as documented in each student's Individualized Education Program (IEP).

Algebra II Modified
Course: 9786 Grade: 10-12 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course addresses Algebra II TEKS SEs and focuses on algebraic thinking and symbolic reasoning; functions, equations, and their relationship; the relationship between algebra and geometry; tools, and techniques for working with functions and equations. This course contains extensive modifications as documented in each student's IEP.

Functional Algebra I
Course: 9237 Grade: 9 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course may be instructed in a specialized setting with extensive content modifications that focus on alternative developmental content determined by the student's Individual Education Program (IEP). This course may include emphasis on basic number properties, patterning, and attributes. Students will access and participate in grade level TEKS SEs through activities that focus on prerequisite skills.

Functional Geometry
Course: 9238 Grade: 9-11 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course may be instructed in a specialized setting with extensive content modifications that focus on alternative developmental content determined by the student's Individual Education Program (IEP). This course may include emphasis on basic geometric shapes and spatial figures and their properties. Students will access and participate in grade -level TEKS SEs through activities that focus on prerequisite skills.

Functional Math Models
Course: 9239 Grade: 9-12 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course may be instructed in a specialized setting with extensive content modifications that focus on alternative developmental content determined by the student's Individual Education Program (IEP). This course may include emphasis on basic math operations, beginning money concepts, and beginning time concepts. Students will access and participate in grade -level TEKS SEs through activities that focus on prerequisite skills.

Functional Algebra II
Course: 9240 Grade: 10-12 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course may be instructed in a specialized setting with extensive content modifications that focus on alternative developmental content determined by the student's Individual Education Program (IEP). This course may include emphasis on understanding the use of money, beginning calculator skills, and the relationship between math and life experiences. Students will access and participate in grade level TEKS SEs through activities that focus on prerequisite skills.

Astronomy Modified
Course: 9304 Grade: 11-12 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course addresses Astronomy TEKS SEs and includes the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, and reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. This course contains extensive modifications as documented in each student's Individualized Education Program (IEP).

Aquatic Science Modified
Course: 9309 Grade: 10-12 Credit: 1

Prerequisites: *One unit of high school Biology and ARD Recommendation*

Suggested Prerequisite: Chemistry or concurrent enrollment in Chemistry

Description: This course addresses Aquatic Science TEKS SEs. In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Investigations and field work in this course may emphasize freshwater or marine aspects of aquatic science depending primarily upon the natural resources available for study near the school. This course contains extensive modifications as documented in each student's Individualized Education Program (IEP).

Biology Modified
Course: 9795 Grade: 9-11 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course addresses all Biology TEKS SEs. In Biology, the study of science includes at least 40% of instructional time for conducting laboratory and field investigations. Students study a variety of topics such as the structures and functions of cells and viruses; growth and development of organisms; cells, tissues and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards are integrated into the content. This course contains extensive modifications as documented in each student's Individualized Education Program (IEP).

Chemistry Modified
Course: 9638 Grade: 10-12 Credit: 1

Prerequisites: *One unit of high school Science and Algebra I and ARD Recommendation*

Suggested Prerequisite: Completion of, or concurrent enrollment in a second year of high school Mathematics

Description: This course addresses Chemistry TEKS SEs. This course includes at least 40% of instructional time for conducting laboratory and field investigations. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content. This course contains extensive modifications as documented in each student's Individualized Education Program (IEP).

Earth and Space Science Modified
Course: 9308 Grade: 11-12 Credit: 1

Prerequisites: *Three units of Science, one of which may be taken concurrently, and three units of Mathematics, one of which may be taken concurrently and ARD Recommendation*

Description: This course addresses all of the Earth and Space Science TEKS SEs. Earth and Space Science (ESS) is a capstone course designed to build on students' prior scientific and academic knowledge and skills to develop understanding of Earth's system in space and time. This course focuses on three themes: Earth in space and time; Solid Earth; and Fluid Earth. This course may also be used as a third or fourth science credit under the HB5 graduation requirements for students who have entered Grade 9 in the 2014-2015 school year and thereafter. This course contains extensive modifications as documented in each student's Individualized Education Program (IEP).

Environmental Systems Modified
Course: 9628 Grade: 11-12 Credit: 1

Prerequisites: *ARD Recommendation*

Suggested Prerequisite: One unit of high school Life Science and one unit of high school Physical Science

Description: This course addresses all of the Environmental Systems TEKS SEs. This course emphasizes a variety of topics that include biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments. This course contains extensive modifications as documented in each student's Individualized Education Program (IEP).

Integrated Physics and Chemistry (IPC) Modified
Course: 9789 Grade: 9-12 Credit: 1

Prerequisites: *ARD Recommendation*

Description: In IPC, the study of science includes a minimum of 40% of instructional time for conducting laboratory and field investigations. This course integrates the disciplines of physics and chemistry in the following topics: force and motion, energy transfer and conservation, the structure and properties of matter, and changes in matter. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content. This course contains extensive modifications as documented in each student's Individualized Education Program (IEP).

Physics Modified
Course: 9636 Grade: 10-12 Credit: 1

Prerequisites: *ARD Recommendation;*

Suggested Prerequisite: Algebra I or concurrent enrollment in Algebra I

Description: This course addresses all Physics TEKS SEs. This course includes at least 40% of instructional time for conducting laboratory and field investigations. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. It provides a conceptual framework, factual knowledge, and analytical and scientific skills. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content. This course contains extensive modifications as documented in each student's Individualized Education Program (IEP).

Functional Astronomy
Course: 9301 Grade: 11-12 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course may be taught in a specialized setting with extensive modifications that focus on developmental content determined by the student's Individualized Education Program (IEP). This course addresses all of the Astronomy TEKS SEs at the prerequisite level.

Functional Aquatic Science
Course: 9316 Grade: 10-12 Credit: 1

Prerequisites: *One unit of high school Biology and ARD Recommendation*

Suggested Prerequisite: Chemistry or concurrent enrollment in Chemistry (Functional Courses)

Description: This course may be taught in a specialized setting with extensive modifications that focus on developmental content determined by the student's Individualized Education Program (IEP). This course addresses all of the Aquatic Science TEKS SEs at the prerequisite level.

Functional Biology
Course: 9208 Grade: 9-11 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course may be taught in a specialized setting with extensive modifications that focus on developmental content determined by the student's Individualized Education Program (IEP). This course addresses Biology TEKS SEs at the prerequisite level.

Functional Chemistry
Course: 9210 Grade: 10-12 Credit: 1

Prerequisites: *One unit of high school Science and Algebra I and ARD Recommendation*

Suggested Prerequisite: Completion of, or concurrent enrollment in a second year of high school Mathematics (Functional Courses)

Description: This course may be taught in a specialized setting with extensive modifications that focus on developmental content determined by the student's Individualized Education Program (IEP). This course addresses Chemistry TEKS SEs at the prerequisite level.

Functional Earth and Space Science
Course: 9315 Grade: 11-12 Credit: 1

Prerequisites: *Three units of Science, one of which may be taken concurrently, three units of Mathematics, one of which may be taken concurrently (Functional Courses) and ARD Recommendation*

Description: This course may be taught in a specialized setting with extensive modifications that focus on developmental content determined by the student's Individualized Education Program (IEP). This course addresses all of the Earth and Space Science TEKS SEs at the prerequisite level.

Functional Environmental Systems
Course: 9296 Grade: 11-12 Credit: 1

Prerequisites: *ARD Recommendation*

Suggested Prerequisite: one unit of high school Life Science and one unit of high school Physical Science (Functional Courses)

Description: This course may be taught in a specialized setting with extensive modifications that focus on developmental content determined by the student's Individualized Education Program (IEP). This course

addresses all of the Environmental Systems TEKS SEs at the prerequisite level

Functional Integrated Physics and Chemistry

Course: 9209 Grade: 9-12 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course may be taught in a specialized setting with extensive modifications that focus on developmental content determined by the student's Individualized Education Program (IEP). This course integrates the disciplines of physics and chemistry in the following topics: force and motion, energy transfer and conservation, the structure and properties of matter, and changes in matter. Scientific process skills (process standards) including safe practices as outlined in the Texas Safety Standards and the use and conservation of resources are integrated into the content at the prerequisite level.

Functional Physics

Course: 9211 Grade: 10-12 Credit: 1

Prerequisites: *ARD Recommendation*

Suggested Prerequisite: Algebra I or concurrent enrollment in Algebra I (Functional Courses)

Description: This course may be taught in a specialized setting with extensive modifications that focus on developmental content determined by the student's Individualized Education Program (IEP). This course addresses all Physics TEKS SEs at the prerequisite level.

World Geography Modified

Course: 9761 Grade: 9-10 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course addresses World Geography TEKS and provides the foundation for advanced world geography courses in high school. Students will focus on the political, economic, and social events and issues related to industrial and urban growth. This course contains extensive modifications as documented in each student's Individualized Education Program (IEP).

World History Modified

Course: 9831 Grade: 9-10 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course addresses World History TEKS and provides the foundation for advanced world geography courses in high school. Students will focus on traditional historical events in world history; analyzing important events and issues in western civilization as well as in civilizations in other parts of the world. This course contains extensive modifications as documented in each student's Individualized Education Program (IEP).

U. S. History since Reconstruction Modified

Course: 9834 Grade: 10-11 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course addresses United States History TEKS and provides the foundation for advanced US history courses in high school. Students will study the growth of modern America, from the settling of the West to becoming a World power. They will study internal and external conflicts from 1877 up to this present day. This course contains extensive modifications as documented in each student's Individualized Education Program (IEP).

U.S. Government Modified

Course: 9779 Grade: 12 Credit: 0.5

Prerequisites: *ARD Recommendation & U. S. History Recommended*

Description: This course addresses U.S. Government TEKS and provides the foundation for advanced U.S. government courses in high school. The course focuses on principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. This course contains extensive modifications as documented in each student's Individualized Education Program (IEP).

Economics Modified

Course: 9802 Grade: 12 Credit: 0.5

Prerequisites: *ARD Recommendation & US Government Recommended*

Description: This course addresses Economics TEKS and provides the foundation for advanced economics courses in high school. Students will study the distribution, characteristics, and interactions of the economic systems in the U.S.; how geography influences economic activities; and the economic importance of, and issues related to, the location and management of resources. This course contains extensive modifications as documented in each student's Individualized Education Program (IEP).

Functional World Geography
Course: 9213 Grade: 9-10 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course may be taught in a specialized setting with extensive content modifications that focus on alternative developmental content determined by the student's Individualized Education Program (IEP). Students access the general curriculum through prerequisite skills. This course may include exploring cultures & countries around the world. Students may explore organizing their life around events, time, and routines.

Functional World History
Course: 9212 Grade: 9-10 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course may be taught in a specialized setting with extensive content modifications that focus on alternative developmental content determined by the student's IEP. Students access the general curriculum through prerequisite skills. This course may include demonstrating an understanding that others have perspectives and feelings that are different from his/her own. Students will explore the diversity of different human experiences. Students access the general curriculum through prerequisite skills.

Functional U.S. History
Course: 9214 Grade: 10-11 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course may be taught in a specialized setting with extensive content modifications that focus on alternative developmental content determined by the student's Individualized Education Program (IEP). Students access the general curriculum through prerequisite skills. This course may explore ways in which people in the local community and other communities meet their needs for government, education, communication, transportation and recreation.

Functional U.S. Government
Course: 9817 Grade: 12 Credit: 0.5

Prerequisites: *ARD Recommendation & U.S. History Recommended*

Description: This course may be taught in a specialized setting with extensive content modifications that focus on alternative developmental content determined by the student's Individualized Education Program (IEP). Students access the general curriculum through prerequisite skills. This course may demonstrate that all people need food, clothing, and shelter. Students may participate in activities to help them become aware of what it means to a consumer.

Functional Economics
Course: 9476 Grade: 12 Credit: 0.5

Prerequisites: *ARD Recommendation & US Government Recommended*

Description: This course may be taught in a specialized setting with extensive content modifications that focus on alternative developmental content determined by the student's individualized education program. Students access the general curriculum through prerequisite skills. Students will study the need for currency to purchase goods and services and the economic importance of the conservation and management of resources. Students may participate in activities that help them become aware of what it means to be a consumer.

Health Education Basic
Course: 9245 Grade: 9-12 Credit: 0.5

Prerequisites: *ARD Recommendation*

Description: This course includes extensive content modifications determined by the student's individual educational program (IEP). The content is focused on strategies for prevention, risk reduction, wellness and a planned program of skills integrated into the physical, mental, and social dimensions of health.

Functional Health Education
Course: 9246 Grade: 9-12 Credit: 0.5

Prerequisites: *ARD Recommendation*

Description: This course is taught in a separate environment with specialized support that may include assistance involving communication, response style, physical access, or daily living skills. Students require direct, intensive, individualized instruction. Academic support includes extensive content modifications that focus on appropriate developmental content determined by the student's IEP.

Physical Education Basic I
Course: 9198 Grade: 9-12 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course addresses the Foundations of Personal Fitness TEKS. The basic purpose is to motivate students to strive for lifetime personal fitness with an emphasis on health and wellness. Students improve their fitness within the class and learn the process of becoming fit. This course is instructed in the general education environment with extensive modifications determined by the student's Individualized Education Program (IEP).

Physical Education Basic II
Course: 9199 Grade: 10-12 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course addresses the Foundations of Personal Fitness TEKS. The basic purpose is to motivate students to strive for lifetime personal fitness with an emphasis on health and wellness. Students improve their fitness within the class and learn the process of becoming fit. This course is instructed in the general education environment with extensive modifications determined by the student's Individualized Education Program (IEP).

Computer Literacy Basic
Course: 9531 Grade: 9-12 Credit: 1

Prerequisites: *ARD Recommendation*

Description: This course includes extensive modifications to content, assignments, and assessments determined by the student's IEP. Students require direct, intensive, individualized instruction.

Functional Computer Literacy
Course: 9225 Grade: 9-12 Credit: 1

Prerequisites: *ARD Recommendations*

Description: This course is taught in a separate environment with specialized support that may include assistance that involves physical access, communication, response style, or daily living skills. Students require direct, intensive, individualized instruction. This course includes extensive modifications that focus on developmental content determined by the student's IEP.

Languages Other Than English (LOTE) COURSES

American Sign Language I
Course: 3590 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This beginning course introduces the sign language alphabet, numbers, basic sign vocabulary and syntax, and fingerspelling of 3--4 letter words. Fingerspelled Loan Signs (FLS) are introduced. Students learn expressive sign skills as well as receptive sign skills. They learn to introduce themselves, discuss basic surroundings and family information, give basic directions, ask for help, and explore occupations. Students are introduced to Deaf culture and how the Deaf differ from hearing people. This course is open to all students.

American Sign Language II
Course: 3595 Grade: 9-12 Credit: 1

Prerequisites: *ASL I, or World Language Director approval.*

Description: ASL II continues with a greater signed vocabulary, additional grammatical skills, and a higher level of conversational skills. Students are required to sign and understand 5--6 letter fingerspelled words. More advanced Fingerspelled Loan Signs (FLS) are used in conversation.

American Sign Language III
Course: 3596 Grade: 9-12 Credit: 1

Prerequisites: *ASL II, or World Language Director approval.*

Description: Students perform conversational and explanatory vocabulary. They are expected to find a location where they can meet Deaf people and communicate (churches, Deaf Coffee Chats, Deaf Action Center, etc). Students research and explore careers that require fluent ASL signing. Topics studied during ASL III include the continuation of most topics previously taught as well as the following: all seven parameters of ASL, more advanced signed vocabulary, contractions, cause-effect sentences, mouth morphemes.

American Sign Language IV
Course: 3598 Grade: 9-12 Credit: 1

Prerequisites: *ASL III, or World Language Director approval.*

Description: This course continues the study of grammar, culture, and the visual language of the deaf. The class is taught in American Sign Language, using voices only when necessary for clarity of instruction. Emphasis is on using grammar correctly at all times and using facial expressions, eye contact, and clarity of signs to communicate more effectively. The students work out of many different texts, and on occasion, may go to the local elementary school to tutor and observe deaf students. Tutoring in the elementary schools is often a yearly assignment to a selected teacher with changes occurring only as a tool to gain different insight into the various levels of language being used.

Chinese I
Course: 3840 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This course is an introductory study of the Chinese language and culture incorporating the development of listening and reading comprehension, speaking, and writing. The main goal for this course is for students to develop a novice -low level proficiency in listening, reading and writing, and a Novice Mid level proficiency in speaking by using Chinese in school and in the world community. Students are introduced to up to 500 characters, and the culture and history of the Chinese community are introduced. This course is open to all students.

Chinese II
Course: 3845 Grade: 9-12 Credit: 1

Prerequisites: *Chinese I, Novice High on an ACTFL -approved proficiency test, or World Language Director approval.*

Description: This course provides students with opportunities to continue developing their listening, speaking, reading, and writing skills in Chinese. In addition to language and grammar, students continue to explore their knowledge of Chinese culture and history. Students work towards a Novice Mid proficiency in reading and writing, and towards a Novice -High level of proficiency in speaking and listening by using Chinese in school and in the world community. Students are introduced to about 600 more characters.

Chinese III
Course: 3848 Grade: 9-12 Credit: 1

Prerequisites: *Chinese II, Intermediate Low on an ACTFL -approved proficiency test, or World Language Director approval.*

Description: In this course, students will further their development of the Chinese language, moving towards an Intermediate Low level of proficiency in speaking, and a Novice- High level in listening, reading and writing by using Chinese in school and in the world community. In addition to language and grammar, students continue their in -depth study of Chinese culture and history. Students are introduced to a more formal written style of expressions that are used in media and formal presentations.

Chinese IV
Course: 3853 Grade: 9-12 Credit: 1

Prerequisites: *Chinese III, Intermediate Mid on an ACTFL approved proficiency test, or World Language Director approval.*

Description: In this course, students perform in the intermediate proficiency levels. Oral and written tasks include topics from all previous levels with more depth and are integrated with a wider array of communicative topics. Students explore a more formal written style of expressions used in the media and formal presentations, and deepen their knowledge of Chinese culture and history.

French I
Course: 3610 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This course is an introductory study of the French language and culture incorporating the development of listening and reading comprehension, speaking, and writing. The main goal for this course is for students to develop a Novice High level proficiency by using French in school and in the world community. Studies of French culture and history are included. This course is open to all students.

French II
Course: 3625 Grade: 9-12 Credit: 1

Prerequisites: *French I, Novice High on an ACTFL -approved proficiency test, or World Language Director approval.*

Description: This course continues students' progress through the novice levels into the intermediate levels in French. The main goal for this course is for students to develop an intermediate low level proficiency by using French in school and in the world community. Studies of French culture and history are explored.

French III Pre-AP
Course: 3637 Grade: 9-12 Credit: 1

Prerequisites: *French II, Intermediate Low on an ACTFL -approved proficiency test, or World Language Director approval.*

Description: This language course continues the study of the French language, moving towards proficiency at the Intermediate- High level. The course incorporates the study of French language, culture, history, and literature to form a base for analytical writing that demonstrates correct grammar applications, and critical writing concepts, formats, and styles. Additional in -depth studies of French culture and of French -speaking people throughout the world are explored in more depth.

French V Literature
Course: 3657 Grade: 9-12 Credit: 1

Prerequisites: *AP FRENCH IV, Intermediate High on an ACTFL approved proficiency test, or World Language Director approval.*

Description: This highly rigorous course allows students to develop the ability to critically analyze and discuss selected works of the French Literature.

French VI Literature Independent Studies
Course: 3673 Grade: 9-12 Credit: 1

Prerequisites: *FRENCH V, Advanced Low on an ACTFL approved proficiency test, or World Language Director approval.*

Description: This course allows students to plan and conduct independent research in selected areas of interest pertaining to French literature and authors' representative of French- speaking countries. The course requires students to complete and submit at least one research project per six weeks in a form approved by the individual instructor.

German I
Course: 3675 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This course is an introductory study of the German language and culture incorporating the development of listening and reading comprehension, speaking, and writing. The main goal for this course is for students to develop a novice level proficiency by using German in school and in the world community. Studies of German culture and history are included. This course is open to all students.

German II
Course: 3690 Grade: 9-12 Credit: 1

Prerequisites: *German I, Novice High on an ACTFL -approved proficiency test, or World Language Director approval.*

Description: This course continues students' progress through the novice levels into the intermediate levels in German. The main goal for this course is for students to develop an Intermediate Low level proficiency by using German in school and in the world community. Studies of German culture and history are explored.

German III Pre-AP
Course: 3702 Grade: 9-12 Credit: 1

Prerequisites: *German II, Intermediate Low on an ACTFL -approved proficiency test, or World Language Director approval.*

Description: This is a rigorous course focusing on maximizing fluency in reading and listening comprehension, speaking, and writing the German language, and moving towards proficiency at the Intermediate- High level, in preparation for the AP German Language course (3709). The course incorporates the study of German language, culture, history, and literature to form a base for analytical writing that demonstrates correct grammar applications, and critical writing concepts, formats, and styles. Additional in depth studies of German culture and of German- speaking people throughout the world are explored in more depth.

German V Independent Study
Course: 3727 Grade: 9-12 Credit: 1

Prerequisites: *AP German IV Language or World Language Director approval*

Description: This course allows students to plan and conduct independent research in selected areas of interest pertaining to German language, history, culture, literature, or selected authors who are representative of German speaking countries. The course requires students to complete and submit at least one research project per six weeks in a form approved by the individual instructor.

Italian I
Course: 3770 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This course is an introduction to the Italian language, grammar, and culture while developing the skills in listening and reading comprehension, speaking, and writing. The main goal for this course is for students to progress toward a Novice -High level ability in using Italian in school and in the community. Studies of Italian culture and history are introduced. This course is open to all students.

Italian II
Course: 3775 Grade: 9-12 Credit: 1

Prerequisites: *Italian I, Novice High on an ACTFL -approved proficiency test, or World Language Director approval.*

Description: This course continues students' progress through the novice levels into the intermediate levels in Italian. The main goal for this course is for students to develop an Intermediate Low level proficiency by using Italian in school and in the world community. Studies of Italian culture and history are explored.

Italian III Pre-AP
Course: 3780 Grade: 9-12 Credit: 1

Prerequisites: *Italian II, Intermediate Low on an ACTFL -approved proficiency test, or World Language Director approval.*

Description: This rigorous course focuses on maximizing fluency in reading and listening comprehension, speaking, and writing the Italian language in preparation for the AP Italian Language course (3786). The course incorporates the study of Italian language, culture, history, and literature to form a base for analytical writing that demonstrates correct grammar applications, and critical writing concepts, formats, and styles.

Italian V Independent Study
Course: 3788 Grade: 9-12 Credit: 1

Prerequisites: *Italian IV or World Language Director approval.*

Description: This course allows students to plan and conduct independent research in selected areas of interest pertaining to Italian language, history, culture, or literature or selected authors that are representative of Italian speaking countries. The course requires students to complete and submit at least one research project per six weeks in a form approved by the individual instructor.

Japanese I
Course: 3790 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This course is an introductory study of the Japanese language and culture incorporating the development of listening and reading comprehension, speaking, and writing. The main goal for this course is for students to develop a Novice- Mid level proficiency by using Japanese in school and in the world community. The course includes the study of Japanese Hiragana and Katakana writing systems, and the introduction of main grammar concepts with direct attention given to oral-/aural skills. Studies of Japanese culture and history are introduced. This course is open to all students.

Japanese II
Course: 4000 Grade: 9-12 Credit: 1

Prerequisites: *Japanese I, Novice High on an ACTFL -approved proficiency test, or World Language Director approval.*

Description: This course continues students' proficiency progress into Novice High level in Japanese by using Japanese in school and in the world community. Focus is on the improvement of speaking and listening, as well as expanding reading and writing skills. Students further their exposure and utilization of Kana (Hiragana and Katakana), and approximately 25 – 50 Kanji (Chinese characters) are also introduced. Studies of Japanese culture and history are explored.

Japanese III
Course: 4003 Grade: 9-12 Credit: 1

Prerequisites: *Japanese II, Intermediate Low on an ACTFL -approved proficiency test, or World Language Director approval.*

Description: Students continue to work toward an Intermediate -Low level of proficiency in the Japanese language. Focus is on the improvement of speaking and listening, as well as expanding reading and writing skills. Additional in -depth studies of Japanese culture and of Japanese -speaking people throughout the world are included. Students should demonstrate an ability to produce 25-50 Kanji (Chinese characters) and are exposed to an additional 25-50 characters. Studies of Japanese culture and history are explored in more depth.

Japanese IV
Course: 4008 Grade: 9-12 Credit: 1

Prerequisites: *Japanese III or World Language Director approval.*

Description: Students continue to work through the intermediate proficiency levels. Students apply all writing characters in analytical compositions and explore the varied styles used in the media, and in formal informal presentations. Students should demonstrate an ability to produce up to 100 Kanji (Chinese characters) and continue to be exposed to more. Studies of Japanese culture and history continue to be explored.

Korean I
Course: 3802 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This course is an introductory study of the Korean language and culture incorporating the development of listening and reading comprehension, speaking, and writing. The main goal for this course is for students to develop a Novice- Mid level proficiency by using Korean in school and in the world community. The course includes the study of Korean Hangul writing system, and the introduction of main grammar concepts with direct attention given to oral-/aural skills. Studies of Korean culture and history are introduced. This course is open to all students.

Korean II
Course: 3803 Grade: 9-12 Credit: 1

Prerequisites: *Korean I, Novice Mid on an ACTFL -approved proficiency test, or World Languages Director approval.*

Description: This course continues students' proficiency progress into Novice High level in Korean by using Korean in school and in the world community. Focus is on the improvement of speaking and listening, as well as expanding reading and writing skills. Students further their exposure and utilization of the Hangul writing system. Studies of Korean culture and history are explored.

Korean III
Course: 3801 Grade: 9-12 Credit: 1

Prerequisites: *Korean II, Intermediate Low on an ACTFL -approved proficiency test, or World Languages Director approval.*

Description: Students continue to work toward an Intermediate -Low level of proficiency in the Korean language. Focus is on the improvement of speaking and listening, as well as expanding reading and writing skills. Additional in -depth studies of Korean culture and of Korean -speaking people throughout the world are included. Students should demonstrate the ability to produce and read all Hangul characters, and are introduced to the ancient Korean writing system that used Chinese characters. Studies of Korean culture and history are explored in more depth.

Latin I
Course: 3805 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This is an introductory course to Latin where students begin to learn how to read a story in Latin and to comprehend its meaning in English. Students are introduced to the influence of the Roman world on contemporary culture. Vocabulary and grammar are studied in the context of reading passages into which cultural information has also been integrated. Students learn how to pronounce Latin according to accepted conventions, answer simple questions about passages, and respond to classroom directions and commands. Word derivations and Latin word elements are also studied to expand the student's English vocabulary. This course is open to all students.

Latin II
Course: 3815 Grade: 9-12 Credit: 1

Prerequisites: *Latin I, Novice High on an ACTFL -approved proficiency test, or World Language Director approval.*

Description: This course continues to expand reading comprehension skills. Students develop a deeper understanding of the similarities and differences between the Roman world and today's world. New vocabulary and additional grammatical structures are emphasized as reading progresses to longer and more complicated passages. Oral Latin is still used to help students understand reading selections. Word studies continue to be an integral part of learning Latin.

Latin III Pre-AP
Course: 3822 Grade: 9-12 Credit: 1

Prerequisites: *Latin II, Intermediate Low on an ACTFL -approved proficiency test, or World Language Director approval.*

Description: This rigorous course builds upon the skills already possessed by students to refine their grammatical and analytical skills in listening, reading, speaking, and writing Latin in preparation for AP Latin IV Vergil (3831). In addition, the course incorporates the study of Latin language, culture, history, and literature to form a base for analytical writing that demonstrates correct grammar applications and critical writing concepts, formats, and styles.

AP Latin IV Vergil
Course: 3831 Grade: 9-12 Credit: 1

Prerequisites: *Latin III or World Language Director approval.*

Description: The AP Latin course focuses on an in--depth study of selections from two of the greatest works in Latin literature: Vergil's Aeneid and Caesar's Gallic War. The course requires students to prepare and translate the readings and place these texts in a meaningful context, which helps develop critical, historical, and literary sensitivities. Throughout the course, students consider themes in the context of ancient literature and bring these works to life through classroom discussions, debates, and presentations. Additional English readings from both of these works help place the Latin readings in a significant context. Successful completion of this course fulfills one of the four required credits towards the Multidisciplinary Studies Endorsement. An approved College Board teacher syllabus is required.

Latin V (Catallus-Horace)
Course: 3835 Grade: 9-12 Credit: 1

Prerequisites: *AP Latin IV or World Language Director approval.*

Description: In this highly rigorous course, students are expected to translate accurately from Latin into English the poetry or prose they are reading and to demonstrate a grasp of grammatical structures and vocabulary. Since the appreciation of Latin literature requires an understanding of the literary techniques of Latin writers and of poetic meters, stylistic analysis is an integral part of the advanced work in this course.

Latin VI Independent Study
Course: 3821 Grade: 9-12 Credit: 1

Prerequisites: *AP Latin IV, Latin V, or World Language Director approval.*

Description: This course allows students to plan and conduct independent research in selected areas of interest pertaining to Latin language, history, culture, or literature. Students are required to complete and submit at least one research project per six weeks in a form approved by the individual instructor.

Portuguese I
Course: 3536 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This course is an introductory study of the Portuguese language and culture incorporating the development of listening and reading comprehension, speaking, and writing. The main goal for this course is for students to develop a Novice High level proficiency by using Portuguese in school and in the world community. Studies of Portuguese culture and history are included. This course is open to all students.

Portuguese II
Course: TBD Grade: 9-12 Credit: 1

Prerequisites: *Portuguese I, Novice High on an ACTFL -approved proficiency test, or World Language Director approval.*

Description: This course continues students' progress through the novice levels into the intermediate levels in Portuguese. The main goal for this course is for students to develop an intermediate low level proficiency by using Portuguese in school and in the world community. Studies of Portuguese culture and history are explored.

Portuguese III
Course: TBD Grade: 9-12 Credit: 1

Prerequisites: *Portuguese II, Intermediate Low on an ACTFL -approved proficiency test, or World Language Director approval.*

Description: This language course continues the study of the Portuguese language, moving towards proficiency at the Intermediate- High level. The course incorporates the study of Portuguese language, culture, history, and literature to form a base for analytical writing that demonstrates correct grammar applications, and critical writing concepts, formats, and styles. Additional in -depth studies of Portuguese culture and of Portuguese -speaking people throughout the world are explored in more depth.

Russian I
Course: 3865 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This course is an introductory study of the Russian language and culture incorporating the development of listening and reading comprehension, speaking, and writing. The main goal for this course is for students to develop a Novice- Mid level proficiency by using Russian in school and in the world community. The course includes the study of the Russian alphabet and sound system and the introduction of main grammar concepts with direct attention given to oral/-aural skills. Studies of Russian culture and history are introduced. This course is open to all students.

Russian II
Course: 3870 Grade: 9-12 Credit: 1

Prerequisites: *Russian I, Novice High on an ACTFL -approved proficiency test, or World Languages Director approval.*

Description: This course continues students' progress through the novice levels into the intermediate levels in Russian. The main goal for this course is for students to develop a Novice High level proficiency by using Russian in school and in the world community. Focus is on the improvement of speaking and listening, as well as expanding reading and writing skills. Studies of Russian culture and history are explored.

Russian III Pre-AP
Course: 3878 Grade: 9-12 Credit: 1

Prerequisites: *Russian II, Intermediate Low on an ACTFL -approved proficiency test, or World Languages Director approval.*

Description: Students continue to work toward an Intermediate Low level of proficiency in the Russian language, while some students may progress to Intermediate -Mid. Focus is on the improvement of speaking and listening, as well as expanding reading and writing skills. Additional in- depth studies of Russian culture and of Russian- speaking people throughout the world continue to be explored in more depth.

Spanish I
Course: 3890 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This course is an introduction to the Spanish language, grammar, and Hispanic culture while developing the skills in listening and reading comprehension, speaking, and writing. The main goal for this course is for students to progress toward a Novice High level ability in using Spanish in school and in the community. Studies of Hispanic culture and history are introduced. This course is open to all students whose first/native language is not Spanish, as shown on the Home Language Survey (HLS).

Spanish II
Course: 3925 Grade: 9-12 Credit: 1

Prerequisites: *Spanish I, Novice High on an ACTFL -approved proficiency test, or World Languages Director approval.*

Description: This course continues students' progress through the novice levels into the intermediate levels in Spanish. The main goal for this course is for students to develop an Intermediate Low level proficiency by using Spanish in school and in the world community. Studies of Hispanic culture and history are explored. This course is open to all students.

Spanish III Pre-AP
Course: 3951 Grade: 9-12 Credit: 1

Prerequisites: *Spanish II, Spanish for Heritage Speakers-Fundamentals, Intermediate Low on an ACTFL -approved proficiency test, or World Languages Director approval.*

Description: This rigorous course focuses on maximizing fluency in reading and listening comprehension,

speaking, and writing the Spanish language in preparation for the AP Spanish Language course (3958). The course incorporates the study of Spanish language, Hispanic culture, history, and literature to form a base for analytical writing that demonstrates correct grammar applications, and critical writing concepts, formats, and styles. This class is open to all students.

Spanish VI Literature Independent Studies

Course: 3962 Grade: 9-12 Credit: 1

Prerequisites: *AP Spanish IV Language, AP Spanish V Literature, or World Language Director approval.*

Description: As an extension of the 3961 AP Spanish Literature course, this course allows students to plan and conduct independent research in selected areas of interest pertaining to Spanish, Spanish-American, Chicano, or other selected literature and authors representative of Spanish -speaking countries. The course requires students to complete and submit at least one research project per six weeks in a form approved by the individual instructor.

Spanish For Heritage Speakers -Fundamentals

Course: 3543 Grade: 9-12 Credit: 1

Prerequisites: *Native/Heritage Spanish speakers as marked on the Home Language Survey (HLS), Intermediate Low on an ACTFL -approved proficiency test, or World Languages Director approval.*

Description: This rigorous course develops the Spanish language skills that students already possess and assists them to refine these skills by understanding when and where dialectal usages are appropriate in oral and written communications. This course also explores Hispanic culture in order to create a better understanding and appreciation. Students should possess Intermediate Low proficiency at the beginning of the course and progress through Intermediate Mid by the end. of the course. This course carries a Level 2 LOTE credit.

Spanish For Heritage Speakers- Advanced

Course: 3544 Grade: 9-12 Credit: 1

Prerequisites: *Spanish for Heritage Speakers- Fundamentals, Intermediate Mid on an ACTFL- approved proficiency test, or World Languages Director approval.*

Description: This highly rigorous course provides opportunities for the enhancement of all language skills. It is a study of Hispanic language, culture, and history incorporating language skills and grammatical concepts. The main objective of this course is to continue building on the skills the students already possess by providing opportunities to expand their grammatical literacy, as well as social, communicative, and functional concepts identified with the Spanish language. These students function comfortably in the Intermediate level, with some students showing some advanced level abilities by the end of the course. Please note: This course carries a Level 3 LOTE credit.

Advanced Placement Courses

AP French IV Language and Culture

Course: 3654 Grade: 9-12 Credit: 1

Prerequisites: *French III, Intermediate Mid on an ACTFL approved proficiency test, or World Language Director approval.*

Description: The AP French Language and Culture course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive, and presentational modes of communication in real life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP French Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in French. The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). An approved College Board teacher syllabus is required.

AP German IV Language and Culture

Course: 3709 Grade: 9-12 Credit: 1

Prerequisites: *German III, or World Language Director approval*

Description: The AP German Language and Culture course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive, and presentational modes of communication in real life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP German Language and Culture course strives not to

overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in German. The AP German Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws,conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). An approved College Board teacher syllabus is required.

AP Spanish IV Language and Culture
Course: 3958 Grade: 9-12 Credit: 1

Prerequisites: *Spanish III MS, Spanish III PreAP, Spanish for Heritage Speakers Fundamentals, Spanish for Heritage Speakers Advanced, Spanish II Native Spks, Spanish III Native Spks, Spanish 8 Dual Language, as prescribed by the Language Proficiency Test (LPT), a minimu*

Description: The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive, and presentational modes of communication in reallife situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish.

The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). An approved College Board teacher syllabus is required.

AP Spanish V Literature and Culture
Course: 3961 Grade: 9-12 Credit: 1

Prerequisites: *AP Spanish IV, Advanced Lowproficiency on an ACTFL approved proficiency test, or World Language Director approval.*

Description: The AP Spanish Literature and Culture course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States Hispanic literature. Students continue to develop proficiencies across the full range of the modes of communication (interpersonal, presentational, and interpretive), honing their critical reading and analytical writing skills. Literature is examined within the context of its time and place, as students reflect on the many voices and cultures present in the required readings. The course also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, and literary criticism An approved College Board teacher syllabus is required.

AP Italian IV Language and Culture
Course: 3786 Grade: 9-12 Credit: 1

Prerequisites: *Italian III or World Language Director approval*

Description: The course develops and expands students' Italian proficiency in listening, speaking, reading and writing. Students increase their knowledge of Italian language and culture while exploring the Italian speaking world through various classroom and community activities. An approved College Board teacher syllabus is required.

AP Latin IV
Course: 3831 Grade: 9-12 Credit: 1

Prerequisites: *Latin III or World Language Director approval*

Description: The AP Latin course focuses on the indepth study of selections from two of the greatest works in Latin literature: Vergil's Aenid and Caesar's Gallic War. The course requires students to prepare and translate the readings and place these texts in a meaningful context, which helps develop critical, historical, and literary sensitivities. Throughout the course, students consider themes in the context of ancient literature and bring these works to life through classroom discussions, debates, and presentations. Additional English readings from both of these works help place the Latin readings in a significant context. An approved College Board teacher syllabus is required.

Dual Credit Courses

American Sign Language III Sem 1
Course: 3602 Grade: 9-12 Credit: 0.5

Prerequisites: *American Sign Language II or equivalent placement according to the TEKS by approved placement test or World Language Director approval AND must successfully*

pass the TSI and be admitted to the Collegiate Academy/Early College.

Description: Students perform conversational and explanatory vocabulary. They are expected to find a location where they can meet Deaf people and communicate (churches, Deaf Coffee Chats, Deaf Action Center, etc.). Students research and explore careers that require fluent ASL signing. Topics studied during ASL III include the continuation of most topics previously taught as well as the following: all seven parameters of ASL, more advanced signed vocabulary, contractions, cause-effect sentences, mouth morphemes.

American Sign Language III Sem 2
Course: 3603 Grade: 9-12 Credit: 0.5

Prerequisites: *American Sign Language II (DC) Semester 1 or World Language Director approval AND must successfully pass the TSI and be admitted to the Collegiate Academy/Early College.*

Description: Students perform conversational and explanatory vocabulary. They are expected to find a location where they can meet Deaf people and communicate (churches, Deaf Coffee Chats, Deaf Action Center, etc). Students research and explore careers that require fluent ASL signing. Topics studied during ASL III include the continuation of most topics previously taught as well as the following: all seven parameters of ASL, more advanced signed vocabulary, contractions, cause-effect sentences, mouth morphemes.

French III Sem 1
Course: 3645 Grade: 9-12 Credit: 0.5

Prerequisites: *French II, Intermediate Low on an ACTFL -approved proficiency test, or World Language Director approval AND must successfully pass the TSI and be admitted to the Collegiate Academy/Early College.*

Description: This language course continues the study of the French language, moving towards proficiency at the Intermediate- High level. The course incorporates the study of French language, culture, history, and literature to form a base for analytical writing that demonstrates correct grammar applications, and critical writing concepts, formats, and styles. Additional in depth studies of French culture and of French -speaking people throughout the world are explored in more depth.

French III Sem 2
Course: 3646 Grade: 9-12 Credit: 0.5

Prerequisites: *French III (DC) Semester 1 or World Language Director approval AND must successfully pass the TSI and be admitted to the Collegiate Academy/Early College.*

Description: This language course continues the study of the French language, moving towards proficiency at the Intermediate- High level. The course incorporates the study of French language, culture, history, and literature to form a base for analytical writing that demonstrates correct grammar applications, and critical writing concepts, formats, and styles. Additional in depth studies of French culture and of French -speaking people throughout the world are explored in more depth.

French IV Sem 1
Course: 3647 Grade: 9-12 Credit: 0.5

Prerequisites: *French III (DC) Semester 2, Intermediate Mid on an ACTFL- approved proficiency test, or World Language Director approval AND must successfully pass the TSI and be admitted to the Collegiate Academy/Early College.*

Description: This course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. This course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in French.

French IV Sem 2
Course: 3648 Grade: 9-12 Credit: 0.5

Prerequisites: *French IV (DC) Semester 1 or World Language Director approval AND must successfully pass the TSI and be admitted to the Collegiate Academy/Early College.*

Description: This course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. This course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in French.

German II Sem 1
Course: 3694 Grade: 9-12 Credit: 0.5

Prerequisites: *German I, Novice High on an ACTFL- approved proficiency test, or World Language Director approval AND must successfully pass the TSI and be admitted to the Collegiate Academy/Early College.*

Description: This course continues students' progress through the novice levels into the intermediate levels in German. The main goal for this course is for students to develop an Intermediate Low level proficiency by using German in school and in the world community. Studies of German culture and history are explored.

German II Sem 2
Course: 3695 Grade: 9-12 Credit: 0.5

Prerequisites: *German II (DC) Semester 1 or World Language Director approval AND must successfully pass the TSI and be admitted to the Collegiate Academy/Early College.*

Description: This course continues students' progress through the novice levels into the intermediate levels in German. The main goal for this course is for students to develop an Intermediate Low level proficiency by using German in school and in the world community. Studies of German culture and history are explored.

German III Sem 1
Course: 3710 Grade: 9-12 Credit: 0.5

Prerequisites: *German II (DC) Semester 2, Intermediate Low on an ACTFL- approved proficiency test or World Language Director approval AND must successfully pass the TSI and be admitted to the Collegiate Academy/Early College.*

Description: This is a rigorous course focuses on maximizing fluency in reading and listening comprehension, speaking, and writing the German language, and moving towards proficiency at the Intermediate -High level. The course incorporates the study of German language, culture, history, and literature to form a base for analytical writing that demonstrates correct grammar applications, and critical writing concepts, formats, and styles. Additional in- depth studies of German culture and of German- speaking people throughout the world are explored in more depth.

German III Sem 2
Course: 3711 Grade: 9-12 Credit: 0.5

Prerequisites: *German III (DC) Semester 1 or World Language Director approval AND must successfully pass the TSI and be admitted to the Collegiate Academy/Early College.*

Description: This is a rigorous course focuses on maximizing fluency in reading and listening comprehension, speaking, and writing the German language, and moving towards proficiency at the Intermediate -High level. The course incorporates the study of German language, culture, history, and literature to form a base for analytical writing that demonstrates correct grammar applications, and critical writing concepts, formats, and styles. Additional in -depth studies of German culture and of German- speaking people throughout the world are explored in more depth.

Spanish III Sem 1
Course: 3964 Grade: 9-12 Credit: 0.5

Prerequisites: *Spanish II, Spanish for Heritage Speakers -Fundamentals, Spanish 7 Dual Language, Intermediate Low on an ACTFL- approved proficiency test, or World Language Director approval AND must successfully pass the TSI and be admitted to the Collegiate Academy/Ear*

Description: This rigorous course focuses on maximizing fluency in reading and listening comprehension, speaking, and writing. The course incorporates the study of Spanish language, Hispanic culture, history, and literature to form a base for analytical writing that demonstrates correct grammar applications, and critical writing concepts, formats, and styles.

Spanish III Sem 2
Course: 3965 Grade: 9-12 Credit: 0.5

Prerequisites: *Spanish III (DC) Semester 1 or World Language Director approval AND must successfully pass the TSI and be admitted to the Collegiate Academy/Early College.*

Description: This rigorous course focuses on maximizing fluency in reading and listening comprehension, speaking, and writing. The course incorporates the study of Spanish language, Hispanic cultures, history, and literature to form a base for analytical writing that demonstrates correct grammar applications, and critical writing concepts, formats, and styles.

Spanish IV Sem 1
Course: 3967 Grade: 9-12 Credit: 0.5

Prerequisites: *Spanish III (DC) Semester 2, Spanish 8-Dual Language, Intermediate Mid on an ACTFL- approved proficiency test, or World Language Director approval AND must successfully pass the TSI and be admitted to the Collegiate Academy/Early College.*

Description: This course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. This course strives not to overemphasize grammatical accuracy at the expense of communication.

Spanish IV Sem 2
Course: 3968 Grade: 9-12 Credit: 0.5

Prerequisites: *Spanish IV (DC) Semester 1 or World Language Director approval AND must successfully pass the TSI and be admitted to the Collegiate Academy/Early College.*

Description: This course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. This course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish.

HEALTH COURSES

Health Education
Course: 3437 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: In health education, students acquire the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate. To achieve that goal, students will understand the following: students should first seek guidance in the area of health from their parents; personal behaviors can increase or reduce health risks throughout the lifespan; health is influenced by a variety of factors; students can recognize and utilize health information and products; and personal/interpersonal skills are needed to promote individual, family, and community health. Students develop skills that will make them health-literate adults. The students recognize the importance and significance of the reproductive process as it relates to the health of future generations. Students gain a deeper understanding of the knowledge and behaviors they use to safeguard their health, particularly pertaining to health risks.

JUNIOR RESERVE OFFICERS' TRAINING CORPS (JROTC)

JROTC Let I (JROTC1)
Course: 4723 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: "The mission of the Army JROTC Program is to motivate young people to become better citizens. The JROTC Program prepares high school cadets for responsible leadership roles while being made aware of their rights, responsibilities and privileges as citizens. JROTC is considered as a stimulus for promoting graduation from high school. It provides leadership and management instruction that will benefit the cadet, community, and nation. Instruction is practical, systematic and progressive. Cadets are provided training in teamwork, problem solving skills, planning and briefing techniques, staff procedures, drill and ceremonies, and career and work opportunities. The cadet must be willing to participate in physical fitness activities and be able to wear uniforms provided by the US Army

JROTC Let II (JROTC2)
Course: 4726 Grade: 10-12 Credit: 1

Prerequisites: *JROTC LET I*

Description: The mission of the Army JROTC Program is to motivate young people to become better citizens. The JROTC Program prepares high school cadets for responsible leadership roles while being made aware of their rights, responsibilities and privileges as citizens. JROTC is considered as a stimulus for promoting graduation from high school. It provides leadership and management instruction that will benefit the cadet, community, and nation. Instruction is practical, systematic and progressive. Cadets are provided training

in teamwork, problem solving skills, planning and briefing techniques, staff procedures, drill and ceremonies, and career and work opportunities. The cadet must be willing to participate in physical fitness activities and be able to wear uniforms provided by the US Army.

JROTC Let III (JROTC3)
Course: 4729 Grade: 11-12 Credit: 1

Prerequisites: *JROTC LET II*

Description: The mission of the Army JROTC Program is to motivate young people to become better citizens. The JROTC Program prepares high school cadets for responsible leadership roles while being made aware of their rights, responsibilities and privileges as citizens. JROTC is considered as a stimulus for promoting graduation from high school. It provides leadership and management instruction that will benefit the cadet, community, and nation. Instruction is practical, systematic and progressive. Cadets are provided training in teamwork, problem solving skills, planning and briefing techniques, staff procedures, drill and ceremonies, and career and work opportunities. The cadet must be willing to participate in physical fitness activities and be able to wear uniforms provided by the US Army.

JROTC Let IV (JROTC4)
Course: 4732 Grade: 12 Credit: 1

Prerequisites: *JROTC LET III*

Description: The mission of the Army JROTC Program is to motivate young people to become better citizens. The JROTC Program prepares high school cadets for responsible leadership roles while being made aware of their rights, responsibilities and privileges as citizens. JROTC is considered as a stimulus for promoting graduation from high school. It provides leadership and management instruction that will benefit the cadet, community, and nation. Instruction is practical, systematic and progressive. Cadets are provided training in teamwork, problem solving skills, planning and briefing techniques, staff procedures, drill and ceremonies, and career and work opportunities. The cadet must be willing to participate in physical fitness activities and be able to wear uniforms provided by the US Army.

NJROTC Let 1
Course: 4735 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: The Naval JROTC Program provides students a great opportunity to build on what they learn in high school. The Naval Science Course includes naval history, Basic Seamanship, Oceanography, International Law and the Sea, U.S. Strategy World Geography, Career Planning Education, and many other topics that complement science and social science courses. More importantly, the Naval Science curriculum provides students practical knowledge of the responsibilities of citizenship and leadership development and prepares students to enter the adult world. Students must be capable of participating fully in the schools physical education program and be capable of wearing uniforms provided by the Navy.

NJROTC Let 2
Course: 4738 Grade: 10-12 Credit: 1

Prerequisites: *NJROTC LET I*

Description: The Naval JROTC Program provides students a great opportunity to build on what they learn in high school. The Naval Science Course includes naval history, Basic Seamanship, Oceanography, International Law and the Sea, U.S. Strategy World Geography, Career Planning Education, and many other topics that complement science and social science courses. More importantly, the Naval Science curriculum provides students practical knowledge of the responsibilities of citizenship and leadership development and prepares students to enter the adult world. Students must be capable of participating fully in the schools physical education program and be capable of wearing uniforms provided by the Navy.

NJROTC Let 3
Course: 4741 Grade: 11-12 Credit: 1

Prerequisites: *NJROTC LET 2*

Description: The Naval JROTC Program provides students a great opportunity to build on what they learn in high school. The Naval Science Course includes naval history, Basic Seamanship, Oceanography, International Law and the Sea, U.S. Strategy World Geography, Career Planning Education, and many other topics that complement science and social science courses. More importantly, the Naval Science curriculum provides students practical knowledge of the responsibilities of citizenship and

leadership development and prepares students to enter the adult world. Students must be capable of participating fully in the schools physical education program and be capable of wearing uniforms provided by the Navy.

NJROTC Let 4

Course: 4744 Grade: 12 Credit: 1

Prerequisites: *NJROTC LET 3*

Description: The Naval JROTC Program provides students a great opportunity to build on what they learn in high school. The Naval Science Course includes naval history, Basic Seamanship, Oceanography, International Law and the Sea, U.S. Strategy World Geography, Career Planning Education, and many other topics that complement science and social science courses. More importantly, the Naval Science curriculum provides students practical knowledge of the responsibilities of citizenship and leadership development and prepares students to enter the adult world. Students must be capable of participating fully in the schools physical education program and be capable of wearing uniforms provided by the Navy.

MC JROTC Let 1

Course: 4746 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: The Marine Corps JROTC Program will provide students with opportunities for leadership and citizenship. Students will receive additional instruction in personal growth and responsibility, public service and career exploration, and general military subjects. Students learn the tenet responsibility, loyalty, accountability, service, and discipline. They are provided with an excellent opportunity to develop certain positive attitudes, values, and leadership qualified from the leadership example provided by the Marine instructors. Students must be capable of participating fully in the schools physical education program and be able to wear uniforms provided by the MarineCorps.

MC JROTC Let 2

Course: 4747 Grade: 10-12 Credit: 1

Prerequisites: *MCJROTC LET 1*

Description: The Marine Corps JROTC Program will provide students with opportunities for leadership and citizenship. Students will receive additional instruction in personal growth and responsibility, public service and career exploration, and general military subjects. Students learn the tenet responsibility, loyalty, accountability, service, and discipline. They are provided with an excellent opportunity to develop certain positive attitudes, values, and leadership qualified from the leadership example provided by the Marine instructors. Students must be capable of participating fully in the schools physical education program and be able to wear uniforms provided by the Marine Corps.

MC JROTC Let 3

Course: 4748 Grade: 11-12 Credit: 1

Prerequisites: *MCJROTC LET 2*

Description: The Marine Corps JROTC Program will provide students with opportunities for leadership and citizenship. Students will receive additional instruction in personal growth and responsibility, public service and career exploration, and general military subjects. Students learn the tenet responsibility, loyalty, accountability, service, and discipline. They are provided with an excellent opportunity to develop certain positive attitudes, values, and leadership qualified from the leadership example provided by the Marine instructors. Students must be capable of participating fully in the schools physical education program and be able to wear uniforms provided by the Marine Corps.

MC JROTC Let 4

Course: 4749 Grade: 12 Credit: 1

Prerequisites: *MCJROTC LET 3*

Description: The Marine Corps JROTC Program will provide students with opportunities for leadership and citizenship. Students will receive additional instruction in personal growth and responsibility, public service and career exploration, and general military subjects. Students learn the tenet responsibility, loyalty, accountability, service, and discipline. They are provided with an excellent opportunity to develop certain positive attitudes, values, and leadership qualified from the leadership example provided by the Marine instructors. Students must be capable of participating fully in the schools physical education program and be able to wear uniforms provided by the Marine Corps.

PHYSICAL EDUCATION COURSES

Individual/Team Sports (Fall)
Course: 4811 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: In Physical Education, students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically active lifestyle. The student exhibits a physically active lifestyle and understands the relationship between physical-activity and health throughout the lifespan. Students in Individual/Team Sports are expected to participate in a wide range of sports that can be pursued for a lifetime. The continued development of health-related fitness and an appreciation for teamwork and fair play is a major objective of this course.

Individual/Team Sports (Spring)
Course: 4812 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: In Physical Education, students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically active lifestyle. The student exhibits a physically active lifestyle and understands the relationship between physical-activity and health throughout the lifespan. Students in Individual/Team Sports are expected to participate in a wide range of sports that can be pursued for a lifetime. The continued development of health-related fitness and an appreciation for teamwork and fair play is a major objective of this course.

Aerobic Activities (Fall)
Course: 4814 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: In Physical Education, students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically active lifestyle. The student exhibits a physically active lifestyle and understands the relationship between physical-activity and health throughout the lifespan. Students in aerobic activities are exposed to a variety of activities that promote health-related fitness. A major expectation of this course is for the student to design a personal fitness program that uses aerobic activities as a foundation.

Aerobic Activities (Spring)
Course: 4815 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: In Physical Education, students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically active lifestyle. The student exhibits a physically active lifestyle and understands the relationship between physical-activity and health throughout the lifespan. Students in aerobic activities are exposed to a variety of activities that promote health-related fitness. A major expectation of this course is for the student to design a personal fitness program that uses aerobic activities as a foundation.

Adventure/Outdoor Education (Fall)
Course: 4817 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: In Physical Education, students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically active lifestyle. The student exhibits a physically active lifestyle and understands the relationship between physical-activity and health throughout the lifespan. Students enrolled in adventure outdoor education are expected to develop competency in outdoor education activities that provide opportunities for enjoyment and challenge. Emphasis is placed upon student selection of activities that also promote respect for the environment and that can be enjoyed for a lifetime.

Adventure/Outdoor Education (Spring)
Course: 4818 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: In Physical Education, students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically active lifestyle. The student exhibits a physically active lifestyle and understands the relationship between physical-activity and health throughout the lifespan. Students enrolled in adventure outdoor education are expected to

develop competency in outdoor education activities that provide opportunities for enjoyment and challenge. Emphasis is placed upon student selection of activities that also promote respect for the environment and that can be enjoyed for a lifetime.

Foundations of Personal Fitness (Fall)
Course: 4820 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: In Physical Education, students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically active lifestyle. The student exhibits a physically active lifestyle and understands the relationship between physical-activity and health throughout the lifespan. This course is designed to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The knowledge and skills taught in this course include students learning about the process of becoming fit as well as achieving some degree of fitness within the class. The concept of wellness, or striving to reach optimal levels of health, is the cornerstone of this course and is exemplified by one of the course objectives-students designing their own personal fitness program.

Foundations of Personal Fitness (Spring)
Course: 4821 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: In Physical Education, students acquire the knowledge and skills for movement that provides the foundation for enjoyment, continued social development through physical activity, and access to a physically active lifestyle. The student exhibits a physically active lifestyle and understands the relationship between physical-activity and health throughout the lifespan. This course is designed to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The knowledge and skills taught in this course include students learning about the process of becoming fit as well as achieving some degree of fitness within the class. The concept of wellness, or striving to reach optimal levels of health, is the cornerstone of this course and is exemplified by one of the course objectives-students designing their own personal fitness program.

Innovative Courses

Team Sport Officiating
Course: 4565 Grade: 9-12 Credit: 0.5

Prerequisites: *1 credit of physical education*

Description: Students enrolled in the Team Sport Officiating course will learn rules and regulations of selected team sports, developing skills in the area of communication, decision-making, and conflict management, which are needed to officiate team sport competitions. They will work with coaches, players, other officials, and parents. The expectation is that students will have the ability to officiate at various levels and manage responsibilities that come with the role.Students will develop a personal fitness and injury prevention plan that directly relates to the needs of an official. Students will understand and apply time management skills required and recognize legal rights and responsibilities of an official involved with youth sports in the 21st century. Cardiopulmonary resuscitation (CPR), use of an automated external defibrillator (AED), and basic first aid skills will be taught in class. Students will be certified in CPR/AED first aid and receive an officiating certificate upon successful completion of course (0.5 credit per semester).

PE 3: PE for the Mind, Body, and Spirit
Course: 4562 Grade: 9-12 Credit: 0.5

Prerequisites: *1 credit of physical education*

Description: This course is for students who may need additional support in reaching their Healthy Fitness Zone in the Fitnessgram, especially in the area of Body Mass Index (BMI). The course is designed to work with each individual in the context of their life – physically, nutritionally, socially, and psychologically. In addition, the course supports the students and their families for long-term health and awareness beyond the physical education classroom. The instructional activities include: cardiovascular aerobic movements such as Zumba, fitness circuits, running/walking, spinning class; core strength development through yoga and stretching; nutritional education; and family support. Each student will be prescreened and monitored throughout the semester. Heart monitors will be worn daily. Personal journals will help students set and focus on short and long-term goals, including a nutrition observation component. Students will learn to set realistic weekly goals through group discussions. Each participant's family/support team will be invited to participate in family fitness activities. Service learning will give students

a unique opportunity to apply the information and skills learned.

PE Substitutions

Band

Varsity Winds & Percussion I (Fall)
Course: 8194 Grade: 9-12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Varsity Winds & Percussion (Fall) Level 1 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Upon successful completion, student will receive PE waiver for fall semester participation. (Marching band)

HS Non-Varsity Winds & Percussion (Fall) Level 1 is designed for a 9-12th grader taking his/her 1st year of an ensemble band course and should only be scheduled during the fall semester. Course requires rehearsals and performances that occur outside of the school day.

Varsity Winds & Percussion II (Fall)
Course: 8398 Grade: 9-12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Varsity Winds & Percussion (Fall) Level 2 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Upon successful completion, student will receive PE waiver for fall semester participation. (Marching band)

HS Non-Varsity Winds & Percussion (Fall) Level 1 is designed for a 9-12th grader taking his/her 1st year of an ensemble band course and should only be scheduled during the fall semester. Course requires rehearsals and performances that occur outside of the school day.

Varsity Winds & Percussion III (Fall)
Course: 8399 Grade: 9-12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Varsity Winds & Percussion (Fall) Level 3 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Upon successful completion, student will receive PE waiver for fall semester participation. (Marching band)

HS Non-Varsity Winds & Percussion (Fall) Level 1 is designed for a 9-12th grader taking his/her 1st year of an ensemble band course and should only be scheduled during the fall semester. Course requires rehearsals and performances that occur outside of the school day.

Varsity Winds & Percussion IV (Fall)
Course: 8401 Grade: 9-12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Varsity Winds & Percussion (Fall) Level 4 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Upon successful completion, student will receive PE waiver for fall semester participation. (Marching band)

HS Non-Varsity Winds & Percussion (Fall) Level 1 is designed for a 9-12th grader taking his/her 1st year of an ensemble band course and should only be scheduled during the fall semester. Course requires rehearsals and performances that occur outside of the school day.

Non-Varsity Winds & Percussion I (Fall)
Course: 8198 Grade: 9-12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Non-Varsity Winds & Percussion (Fall) Level 1 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Upon successful completion, student will receive PE waiver for fall semester participation. (Marching band)

HS Non-Varsity Winds & Percussion (Fall) Level 1 is designed for a 9-12th grader taking his/her 1st year of an ensemble band course and should only be scheduled during the fall semester. Course requires rehearsals and performances that occur outside of the school day.

Non-Varsity Winds & Percussion II (Fall)
Course: 8408 Grade: 9-12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Non-Varsity Winds & Percussion (Fall) Level 2 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Upon successful completion, student will receive PE waiver for fall semester participation. (Marching band)

HS Non-Varsity Winds & Percussion (Fall) Level 1 is designed for a 9-12th grader taking his/her 1st year of an ensemble band course and should only be scheduled during the fall semester. Course requires rehearsals and performances that occur outside of the school day.

Non-Varsity Winds & Percussion III (Fall)
Course: 8409 Grade: 9-12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Non-Varsity Winds & Percussion (Fall) Level 3 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Upon successful completion, student will receive PE waiver for fall semester participation. (Marching band)

HS Non-Varsity Winds & Percussion (Fall) Level 1 is designed for a 9-12th grader taking his/her 1st year of an ensemble band course and should only be scheduled during the fall semester. Course requires rehearsals and performances that occur outside of the school day.

Non-Varsity Winds & Percussion IV (Fall)
Course: 8412 Grade: 9-12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Non-Varsity Winds & Percussion (Fall) Level 4 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Upon successful completion, student will receive PE waiver for fall semester participation. (Marching band)

HS Non-Varsity Winds & Percussion (Fall) Level 1 is designed for a 9-12th grader taking his/her 1st year of an ensemble band course and should only be scheduled during the fall semester. Course requires rehearsals and performances that occur outside of the school day.

Cheer and Drill Team

Cheerleader (Local Credit)
Course: 4674 Grade: 9-12 Credit: 1

Prerequisites: *Pending tryout*

Description: This course is designed for students selected to perform on the cheerleading squad. The class will be designed to meet the needs of the squad to handle the duties of the squad for the entire school year. Some practices will require before and/or after school hours. Practice time, pep rally planning, conditioning, skill development, aerobic training, team building, and leadership training are the basic skills that will be taught. Students gain membership through a try-out procedure held during the spring of the previous school year.

Cheerleader (Local Credit)
Course: 4675 Grade: 9-12 Credit: 0.5

Prerequisites: *Pending tryout*

Description: This course is designed for students selected to perform on the cheerleading squad. The class will be designed to meet the needs of the squad to handle the duties of the squad for the entire school year. Some practices will require before and/or after school hours. Practice time, pep rally planning, conditioning, skill development, aerobic training, team building, and leadership training are the basic skills that will be taught. Students gain membership through a try-out procedure held during the spring of the previous school year.

PE Substitution Cheer (Fall)
Course: 4860 Grade: 9-12 Credit: 0.5

Prerequisites: *Pending tryout*

Description: This course is designed for students selected to perform on the cheerleading squad. The class will be designed to meet the needs of the squad to handle the duties of the squad for the entire school year. Some practices will require before and/or after school hours. Practice time, pep rally planning, conditioning, skill development, aerobic training, team building, and leadership training are the basic skills that will be taught.

Students gain membership through a try-out procedure held during the spring of the previous school year.

PE Substitution Cheer (Spring)
Course: 4861 Grade: 9-12 Credit: 0.5

Prerequisites: *Pending tryout*

Description: This course is designed for students selected to perform on the cheerleading squad. The class will be designed to meet the needs of the squad to handle the duties of the squad for the entire school year. Some practices will require before and/or after school hours. Practice time, pep rally planning, conditioning, skill development, aerobic training, team building, and leadership training are the basic skills that will be taught. Students gain membership through a try-out procedure held during the spring of the previous school year.

PE EQUIVALENT DRILL TEAM I Sem 1
Course: 4855 Grade: 9 Credit: 0.5

Prerequisites: *PE substitution Drill Team SPRING*

Description: This Drill Team course is designed for students who audition and are selected to perform on the Drill Dance Team. The class will be designed to meet the needs of the squad to handle the duties of the squad for the entire school year. Some practices will require before and/or after school hours. Practice time, pep rally planning, conditioning, skill development, aerobic training, team building, and leadership training are the basic skills that will be taught. Students gain membership through a try-out procedure held during the spring of the previous school year.

PE Substitution Drill Team (Fall)
Course: 4864 Grade: 10 Credit: 0.5

Prerequisites: *Dance 1, concurrently or previously*

Description: This Drill Team course is designed for students who audition and are selected to perform on the Drill Dance Team. The class will be designed to meet the needs of the squad to handle the duties of the squad for the entire school year. Some practices will require before and/or after school hours. Practice time, pep rally planning, conditioning, skill development, aerobic training, team building, and leadership training are the basic skills that will be taught. Students gain membership through a try-out procedure held during the spring of the previous school year.

PE Substitution Drill Team (Spring)
Course: 4865 Grade: 10 Credit: 0.5

Prerequisites: *Dance 1, concurrently or previously*

Description: This Drill Team course is designed for students who audition and are selected to perform on the Drill Dance Team. The class will be designed to meet the needs of the squad to handle the duties of the squad for the entire school year. Some practices will require before and/or after school hours. Practice time, pep rally planning, conditioning, skill development, aerobic training, team building, and leadership training are the basic skills that will be taught. Students gain membership through a try-out procedure held during the spring of the previous school year.

Drill Team (Local Credit)
Course: 4676 Grade: 11-12 Credit: 1

Prerequisites: *PE substitution Drill Team FALL*

Description: This Drill Team course is designed for students who audition and are selected to perform on the Drill Dance Team. The class will be designed to meet the needs of the squad to handle the duties of the squad for the entire school year. Some practices will require before and/or after school hours. Practice time, pep rally planning, conditioning, skill development, aerobic training, team building, and leadership training are the basic skills that will be taught. Students gain membership through a try-out procedure held during the spring of the previous school year.

Drill Team (Local Credit)
Course: 4677 Grade: 11-12 Credit: 1

Prerequisites: *PE substitution Drill Team SPRING*

Description: This Drill Team course is designed for students who audition and are selected to perform on the Drill Dance Team. The class will be designed to meet the needs of the squad to handle the duties of the squad for the entire school year. Some practices will require before and/or after school hours. Practice time, pep rally planning, conditioning, skill development, aerobic training, team building, and leadership training are the basic skills that will be taught. Students gain membership through a try-out procedure held during the spring of the previous school year.

Athletics

Boys Athletics 1 (Fall)
Course: 4839 Grade: 9 Credit: 0.5

Prerequisites: *None*

Description: HS Athletics is for students in grades 9-12 and are members of a UIL sponsored sports team. All students must be selected through a tryout process for each sport the student is interested in participating in. All students must complete a physical examination form in addition to other forms required by the UIL. After school, before school and weekends are required for participation.

Boys Athletic 1 (Spring)
Course: 4840 Grade: 9 Credit: 0.5

Prerequisites: *None*

Description: HS Athletics is for students in grades 9-12 and are members of a UIL sponsored sports team. All students must be selected through a tryout process for each sport the student is interested in participating in. All students must complete a physical examination form in addition to other forms required by the UIL. After school, before school and weekends are required for participation.

Girls Athletics 1 (Fall)
Course: 4841 Grade: 9 Credit: 0.5

Prerequisites: *None*

Description: HS Athletics is for students in grades 9-12 and are members of a UIL sponsored sports team. All students must be selected through a tryout process for each sport the student is interested in participating in. All students must complete a physical examination form in addition to other forms required by the UIL. After school, before school and weekends are required for participation.

Girls Athletics 1 (Spring)
Course: 4842 Grade: 9 Credit: 0.5

Prerequisites: *None*

Description: HS Athletics is for students in grades 9-12 and are members of a UIL sponsored sports team. All students must be selected through a tryout process for each sport the student is interested in participating in. All students must complete a physical examination form in addition to other forms required by the UIL. After school, before school and weekends are required for participation.

Boys Athletics 2 (Fall)
Course: 4843 Grade: 10 Credit: 0.5

Prerequisites: *None*

Description: HS Athletics is for students in grades 9-12 and are members of a UIL sponsored sports team. All students must be selected through a tryout process for each sport the student is interested in participating in. All students must complete a physical examination form in addition to other forms required by the UIL. After school, before school and weekends are required for participation.

Boys Athletics 2 (Spring)
Course: 4844 Grade: 10 Credit: 0.5

Prerequisites: *None*

Description: HS Athletics is for students in grades 9-12 and are members of a UIL sponsored sports team. All students must be selected through a tryout process for each sport the student is interested in participating in. All students must complete a physical examination form in addition to other forms required by the UIL. After school, before school and weekends are required for participation.

Girls Athletics 2 (Fall)
Course: 4845 Grade: 10 Credit: 0.5

Prerequisites: *None*

Description: HS Athletics is for students in grades 9-12 and are members of a UIL sponsored sports team. All students must be selected through a tryout process for each sport the student is interested in participating in. All students must complete a physical examination form in addition to other forms required by the UIL. After school, before school and weekends are required for participation.

Girls Athletics 2 (Spring)
Course: 4846 Grade: 10 Credit: 0.5

Prerequisites: *None*

Description: HS Athletics is for students in grades 9-12 and are members of a UIL sponsored sports team. All students must be selected through a tryout process for each sport the student is interested in participating in. All

students must complete a physical examination form in addition to other forms required by the UIL. After school, before school and weekends are required for participation.

Boys Athletics 3 (Fall)
Course: 4847 Grade: 11 Credit: 0.5

Prerequisites: *None*

Description: HS Athletics is for students in grades 9-12 and are members of a UIL sponsored sports team. All students must be selected through a tryout process for each sport the student is interested in participating in. All students must complete a physical examination form in addition to other forms required by the UIL. After school, before school and weekends are required for participation.

Boys Athletics 3 (Spring)
Course: 4848 Grade: 11 Credit: 0.5

Prerequisites: *None*

Description: HS Athletics is for students in grades 9-12 and are members of a UIL sponsored sports team. All students must be selected through a tryout process for each sport the student is interested in participating in. All students must complete a physical examination form in addition to other forms required by the UIL. After school, before school and weekends are required for participation.

Girls Athletics 3 (Fall)
Course: 4849 Grade: 11 Credit: 0.5

Prerequisites: *None*

Description: HS Athletics is for students in grades 9-12 and are members of a UIL sponsored sports team. All students must be selected through a tryout process for each sport the student is interested in participating in. All students must complete a physical examination form in addition to other forms required by the UIL. After school, before school and weekends are required for participation.

Girls Athletics 3 (Spring)
Course: 4850 Grade: 11 Credit: 0.5

Prerequisites: *None*

Description: HS Athletics is for students in grades 9-12 and are members of a UIL sponsored sports team. All students must be selected through a tryout process for each sport the student is interested in participating in. All students must complete a physical examination form in addition to other forms required by the UIL. After school, before school and weekends are required for participation.

Boys Athletics 4 (Fall)
Course: 4851 Grade: 12 Credit: 0.5

Prerequisites: *None*

Description: HS Athletics is for students in grades 9-12 and are members of a UIL sponsored sports team. All students must be selected through a tryout process for each sport the student is interested in participating in. All students must complete a physical examination form in addition to other forms required by the UIL. After school, before school and weekends are required for participation.

Boys Athletics 4 (Spring)
Course: 4852 Grade: 12 Credit: 0.5

Prerequisites: *None*

Description: HS Athletics is for students in grades 9-12 and are members of a UIL sponsored sports team. All students must be selected through a tryout process for each sport the student is interested in participating in. All students must complete a physical examination form in addition to other forms required by the UIL. After school, before school and weekends are required for participation.

Girls Athletics 4 (Fall)
Course: 4853 Grade: 12 Credit: 0.5

Prerequisites: *None*

Description: HS Athletics is for students in grades 9-12 and are members of a UIL sponsored sports team. All students must be selected through a tryout process for each sport the student is interested in participating in. All students must complete a physical examination form in addition to other forms required by the UIL. After school, before school and weekends are required for participation.

Girls Athletics 4 (Spring)
Course: 4854 Grade: 12 Credit: 0.5

Prerequisites: *None*

Description: HS Athletics is for students in grades 9-12 and are members of a UIL sponsored sports team. All students must be selected through a tryout process for each sport the student is interested in participating in. All students must complete a physical examination form in addition to other forms required by the UIL. After school, before school and weekends are required for participation.

PE Off-Campus

PE EQ Off-Campus Boys I (Fall)
Course: 4823 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE Coordinator, no later than the end of the second week of the semester being requested.

PE EQ Off-Campus Boys I (Spring)
Course: 4824 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE Coordinator, no later than the end of the second week of the semester being requested.

PE EQ Off-Campus Girls I (Fall)
Course: 4825 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE Coordinator, no later than the end of the second week of the semester being requested.

PE EQ Off-Campus Girls I (Spring)
Course: 4826 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE Coordinator, no later than the end of the second week of the semester being requested.

PE EQ Off-Campus Boys II (Fall)
Course: 4827 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE Coordinator, no later than the end of the second week of the semester being requested.

PE EQ Off-Campus Boys II (Spring)
Course: 4828 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE Coordinator, no later than the end of the second week of the semester being requested.

PE EQ Off-Campus Girls II (Fall)
Course: 4829 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE Coordinator, no later than the end of the second week of the semester being requested.

PE EQ Off-Campus Girls II (Spring)
Course: 4830 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE Coordinator, no later than the end of the second week of the semester being requested.

PE EQ Off-Campus Boys III (Fall)
Course: 4831 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE

Coordinator, no later than the end of the second week of the semester being requested.

PE EQ Off-Campus Boys III (Spring)
Course: 4832 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE Coordinator, no later than the end of the second week of the semester being requested.

PE EQ Off-Campus Girls III (Fall)
Course: 4833 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE Coordinator, no later than the end of the second week of the semester being requested.

PE EQ Off-Campus Girls III (Spring)
Course: 4834 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE Coordinator, no later than the end of the second week of the semester being requested.

PE EQ Off-Campus Boys IV (Fall)
Course: 4835 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE Coordinator, no later than the end of the second week of the semester being requested.

PE EQ Off-Campus Boys IV (Spring)
Course: 4836 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at

https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE Coordinator, no later than the end of the second week of the semester being requested.

PE EQ Off-Campus Girls IV (Fall)
Course: 4837 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE Coordinator, no later than the end of the second week of the semester being requested.

PE EQ Off-Campus Girls IV (Spring)
Course: 4838 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow them to be involved in a program that provides training exceeding that offered in Dallas ISD. This student is taking this course for physical education credit and he or she may not be enrolled in another physical education class while participating in the Off-Campus Physical Education Program. The OCPE information, application, and list of TEA approved activities and providers is available at https://www.dallasisd.org/Page/42954. In order for this application to be considered for any semester, it must be completed and returned to the District's OCPE Coordinator, no later than the end of the second week of the semester being requested.

VISUAL & PERFORMING ARTS COURSES

Band

HS Non-Varsity Winds & Percussion Level 1 (Fall)
Course: 8198 Grade: 9-12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Non-Varsity Winds & Percussion (Fall) Level 1 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Upon successful completion, student will receive PE waiver for fall semester participation. (Marching band)

HS Non-Varsity Winds & Percussion (Fall) Level 1 is designed for a 9-12th grader taking his/her 1st year of an ensemble band course and should only be scheduled during the fall semester. Course requires rehearsals and performances that occur outside of the school day.

HS Non-Varsity Winds & Percussion Level 1 (Spring)
Course: 8199 Grade: 9-12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Non-Varsity Winds & Percussion (Spring) Level 1 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

HS Non-Varsity Winds & Percussion (Spring) Level 1 is designed for a 9-12th grader taking his/her 1

st year of the chamber ensemble course. Students enroll in this course as a second ensemble class

HS Non-Varsity Winds & Percussion Level 2 (Fall)
Course: 8408 Grade: 10-12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Non-Varsity Winds & Percussion (Fall) Level 2 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Upon successful completion,

student will receive PE waiver for fall semester participation. (Marching band)

HS Non-Varsity Winds & Percussion (Fall) Level 2 is designed for a 10-12th grader taking his/her 2nd year of an ensemble band course and should only be scheduled during the fall semester. Course requires rehearsals and performances that occur outside of the school day.

HS Non-Varsity Winds & Percussion Level 2 (Spring)
Course: 8414 Grade: 10-12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Non-Varsity Winds & Percussion (Spring) Level 2 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

HS Non-Varsity Winds & Percussion (Spring) Level 2 is designed for a 10-12th grader taking his/her 2nd year of an ensemble band course and should only be scheduled during the Spring semester. Course requires rehearsals and performances that occur outside of the school day.

HS Non-Varsity Winds & Percussion Level 3 (Fall)
Course: 8409 Grade: 11-12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Non-Varsity Winds & Percussion (Fall) Level 3 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Upon successful completion, student will receive PE waiver for fall semester participation. (Marching band)

HS Non-Varsity Winds & Percussion (Fall) Level 3 is designed for a 11-12th grader taking his/her 3rd year of an ensemble band course and should only be scheduled during the fall semester. Course requires rehearsals and performances that occur outside of the school day.

HS Non-Varsity Winds & Percussion Level 3 (Spring)
Course: 8415 Grade: 11-12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Non-Varsity Winds & Percussion (Spring) Level 3 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

HS Non-Varsity Winds & Percussion (Spring) Level 3 is designed for a 11-12th grader taking his/her 3rd year of an ensemble band course and should only be scheduled during the Spring semester. Course requires rehearsals and performances that occur outside of the school day.

HS Non-Varsity Winds & Percussion Level 4 (Fall)
Course: 8413 Grade: 12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Non-Varsity Winds & Percussion (Fall) Level 4 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Upon successful completion, student will receive PE waiver for fall semester participation. (Marching band)

HS Non-Varsity Winds & Percussion (Fall) Level 4 is designed for a 12th grader taking his/her 4th year of an ensemble band course and should only be scheduled during the fall semester. Course requires rehearsals and performances that occur outside of the school day.

HS Non-Varsity Winds & Percussion Level 4 (Spring)
Course: 8416 Grade: 12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Non-Varsity Winds & Percussion (Spring) Level 4 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

HS Non-Varsity Winds & Percussion (Spring) Level 4 is designed for a 12th grader taking his/her 4th year of an ensemble band course and should only be scheduled during the Spring semester. Course requires rehearsals and performances that occur outside of the school day.

Intermediate Winds & Percussion Level 1
Course: 8200 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: Intermediate Winds & Percussion Level 1 is a regularly performing ensemble that may participate in

the UIL evaluation process. Placement with band director approval. An instrument use fee applies. This course is designed for beginning level high school band students. Students with MS band experience should be enrolled in the Varsity or Non-Varsity level courses instead.

Intermediate Winds & Percussion Level 1 is designed for a beginner level 9-12th grader taking his/her 1st year band course. Students do not participate in marching band and do not receive a PE waiver. Course requires rehearsals and performances that occur outside of the school day.

Intermediate Winds & Percussion Level 2
Course: 8417 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: Intermediate Winds & Percussion Level 2 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement with band director approval. An instrument use fee applies. This course is designed for beginning level high school band students. Students with MS band experience should be enrolled in the Varsity or Non-Varsity level courses instead.

Intermediate Winds & Percussion Level 2 is designed for a beginner level 10-12th grader taking his/her 2nd year band course. Students do not participate in marching band and do not receive a PE waiver. Course requires rehearsals and performances that occur outside of the school day.

Intermediate Winds & Percussion Level 3
Course: 8418 Grade: 11-12 Credit: 1

Prerequisites: *None*

Description: Intermediate Winds & Percussion Level 3 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement with band director approval. An instrument use fee applies. This course is designed for beginning level high school band students. Students with MS band experience should be enrolled in the Varsity or Non-Varsity level courses instead.

Intermediate Winds & Percussion Level 3 is designed for a beginner level 11-12th grader taking his/her 3rd year band course. Students do not participate in marching band and do not receive a PE waiver. Course requires rehearsals and performances that occur outside of the school day.

Intermediate Winds & Percussion Level 4
Course: 8419 Grade: 12 Credit: 1

Prerequisites: *None*

Description: Intermediate Winds & Percussion Level 4 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement with band director approval. An instrument use fee applies. This course is designed for beginning level high school band students. Students with MS band experience should be enrolled in the Varsity or Non-Varsity level courses instead.

Intermediate Winds & Percussion Level 4 is designed for a beginner level 12th grader taking his/her 4th year band course. Students do not participate in marching band and do not receive a PE waiver. Course requires rehearsals and performances that occur outside of the school day.

HS Varsity Winds & Percussion Level 1 (Fall)
Course: 8194 Grade: 9-12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Varsity Winds & Percussion (Fall) Level 1 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Upon successful completion, student will receive PE waiver for fall semester participation. (Marching band)

HS Varsity Winds & Percussion (Fall) Level 1 is designed for a 9-12th grader taking his/her 1st year of an ensemble band course and should only be scheduled during the fall semester. Course requires rehearsals and performances that occur outside of the school day.

HS Varsity Winds & Percussion Level 1 (Spring)
Course: 8195 Grade: 9-12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Varsity Winds & Percussion (Spring) Level 1 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

HS Varsity Winds & Percussion (Spring) Level 1 is designed for a 9-12th grader taking his/her 1st year of an ensemble band course and should only be scheduled during the Spring semester. Course requires rehearsals and performances that occur outside of the school day.

HS Varsity Winds & Percussion Level 2 (Fall)
Course: 8398 Grade: 10-12 Credit: 0.5

Prerequisites: *Completion of a Level 1 Winds & Percussion Course. Previous band instrument training. Placement by band director approval*

Description: HS Varsity Winds & Percussion (Fall) Level 2 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Upon successful completion, student will receive PE waiver for fall semester participation. (Marching band)

HS Varsity Winds & Percussion (Fall) Level 2 is designed for a 10-12th grader taking his/her 2nd year of an ensemble band course and should only be scheduled during the fall semester. Course requires rehearsals and performances that occur outside of the school day.

HS Varsity Winds & Percussion Level 2 (Spring)
Course: 8402 Grade: 10-12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Varsity Winds & Percussion (Spring) Level 2 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

HS Varsity Winds & Percussion (Spring) Level 2 is designed for a 10-12th grader taking his/her 2nd year of an ensemble band course and should only be scheduled during the Spring semester. Course requires rehearsals and performances that occur outside of the school day.

HS Varsity Winds & Percussion Level 3 (Fall)
Course: 8399 Grade: 11-12 Credit: 0.5

Prerequisites: *Level 2 Winds & Percussion course. Previous band instrument training. Placement by band director approval*

Description: HS Varsity Winds & Percussion (Fall) Level 3 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Upon successful completion, student will receive PE waiver for fall semester participation. (Marching band)

HS Varsity Winds & Percussion (Fall) Level 3 is designed for a 11-12th grader taking his/her 3rd year of an ensemble band course and should only be scheduled during the fall semester. Course requires rehearsals and performances that occur outside of the school day.

HS Varsity Winds & Percussion Level 3 (Spring)
Course: 8403 Grade: 11-12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Varsity Winds & Percussion (Spring) Level 3 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

HS Varsity Winds & Percussion (Spring) Level 3 is designed for a 11-12th grader taking his/her 3rd year of an ensemble band course and should only be scheduled during the Spring semester. Course requires rehearsals and performances that occur outside of the school day.

HS Varsity Winds & Percussion Level 4 (Fall)
Course: 8401 Grade: 12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Varsity Winds & Percussion (Fall) Level 4 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Upon successful completion, student will receive PE waiver for fall semester participation. (Marching band)

HS Varsity Winds & Percussion (Fall) Level 4 is designed for a 12th grader taking his/her 4th year of an ensemble band course and should only be scheduled during the fall semester. Course requires rehearsals and performances that occur outside of the school day.

HS Varsity Winds & Percussion Level 4 (Spring)
Course: 8404 Grade: 12 Credit: 0.5

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: HS Varsity Winds & Percussion (Spring) Level 4 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

HS Varsity Winds & Percussion (Spring) Level 4 is designed for a 12th grader taking his/her 4th year of an ensemble band course and should only be scheduled during the Spring semester. Course requires rehearsals and performances that occur outside of the school day.

Non-Varsity Modern Band Level 1
Course: 8190 Grade: 9-12 Credit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: Non-Varsity Modern Band Level 1 will address basic skills in piano, guitar, percussion and/or music technology. Students will learn the fundamentals of music literacy, improvisation and song writing skills.

Non-Varsity Modern Band Level 1 is designed for a 9-12th grader taking his/her 1st year of a Modern Band ensemble course. Students are expected to complete projects which include out of school time for rehearsals and performances

Non-Varsity Modern Band Level 2
Course: 8546 Grade: 10-12 Credit: 1

Prerequisites: *Varsity or Non-Varsity Modern Band Level 1 course - placement by audition and teacher approval*

Description: Non-Varsity Modern Band Level 2 will address basic skills in piano, guitar, percussion and/or music technology. Students will learn the fundamentals of music literacy, improvisation and song writing skills.

Non-Varsity Modern Band Level 2 is designed for a 10-12th grader taking his/her 2nd year of a Modern Band ensemble course. Students are expected to complete projects which include out of school time for rehearsals and performances

Non-Varsity Modern Band Level 3
Course: 8547 Grade: 11-12 Credit: 1

Prerequisites: *Varsity or Non-Varsity Modern Band Level 2 course - placement by audition and teacher approval*

Description: Non-Varsity Modern Band Level 3 will address basic skills in piano, guitar, percussion and/or music technology. Students will learn the fundamentals of music literacy, improvisation and song writing skills.

Non-Varsity Modern Band Level 3 is designed for a 11-12th grader taking his/her 3rd year of a Modern Band ensemble course. Students are expected to complete projects which include out of school time for rehearsals and performances

Non-Varsity Modern Band Level 4
Course: 8548 Grade: 12 Credit: 1

Prerequisites: *Varsity or Non-Varsity Modern Band Level 3 course - placement by audition and teacher approval*

Description: Non-Varsity Modern Band Level 4 will address basic skills in piano, guitar, percussion and/or music technology. Students will learn the fundamentals of music literacy, improvisation and song writing skills.

Non-Varsity Modern Band Level 4 is designed for a 12th grader taking his/her 4th year of a Modern Band ensemble course. Students are expected to complete projects which include out of school time for rehearsals and performances

Varsity Modern Band Level 1
Course: 8191 Grade: 9-12 Credit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: Varsity Modern Band Level 1 will address advanced level skills in piano, guitar, percussion and/or music technology. Students will learn the fundamentals of music literacy, improvisation and song writing skills.

Varsity Modern Band Level 1 is designed for a 9-12th grader taking his/her 1st year of a Modern Band ensemble course. Students are expected to complete projects which include out of school time for rehearsals and performances

Varsity Modern Band Level 2
Course: 8711 Grade: 10-12 Credit: 1

Prerequisites: *Varsity or Non-Varsity Modern Band Level 1 course - placement by audition and teacher approval*

Description: Varsity Modern Band Level 2 will address advanced level skills in piano, guitar, percussion and/or music technology. Students will learn the fundamentals of music literacy, improvisation and song writing skills.

Varsity Modern Band Level 2 is designed for a 10-12th grader taking his/her 2nd year of a Modern Band ensemble course. Students are expected to complete projects which include out of school time for rehearsals and performances

Varsity Modern Band Level 3
Course: 8544 Grade: 11-12 Credit: 1

Prerequisites: *Varsity or Non-Varsity Modern Band Level 2 course - placement by audition and teacher approval*

Description: Varsity Modern Band Level 3 will address advanced level skills in piano, guitar, percussion and/or music technology. Students will learn the fundamentals of music literacy, improvisation and song writing skills.

Varsity Modern Band Level 3 is designed for a 11-12th grader taking his/her 3rd year of a Modern Band ensemble course. Students are expected to complete projects which include out of school time for rehearsals and performances

Varsity Modern Band Level 4
Course: 8545 Grade: 12 Credit: 1

Prerequisites: *Varsity or Non-Varsity Modern Band Level 3 course - placement by audition and teacher approval*

Description: Varsity Modern Band Level 4 will address advanced level skills in piano, guitar, percussion and/or music technology. Students will learn the fundamentals of music literacy, improvisation and song writing skills.

Varsity Modern Band Level 4 is designed for a 12th grader taking his/her 4th year of a Modern Band ensemble course. Students are expected to complete projects which include out of school time for rehearsals and performances

Non-Varsity Jazz Ensemble Level 1
Course: 8202 Grade: 9-12 Credit: 1

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: Non-Varsity Jazz Ensemble Level 1 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Concurrent enrollment in Varsity or Non-Varsity Winds and Percussion or Strings is required.

Student will have the opportunity to learn and perform music in the jazz genre. Non-Varsity Jazz Ensemble Level 1 is designed for a 9-12th grader taking his/her 1st year of the jazz ensemble course. Course requires rehearsals and performances that occur outside of the school day.

Non-Varsity Jazz Ensemble Level 2
Course: 8426 Grade: 10-12 Credit: 1

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: Non-Varsity Jazz Ensemble Level 2 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Concurrent enrollment in Varsity or Non-Varsity Winds and Percussion or Strings is required.

Student will have the opportunity to learn and perform music in the jazz genre. Non-Varsity Jazz Ensemble Level 2 is designed for a 10-12th grader taking his/her 2nd year of the jazz ensemble course. Course requires rehearsals and performances that occur outside of the school day.

Non-Varsity Jazz Ensemble Level 3
Course: 8427 Grade: 11-12 Credit: 1

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: Non-Varsity Jazz Ensemble Level 3 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Concurrent enrollment in Varsity or Non-Varsity Winds and Percussion or Strings is required.

Student will have the opportunity to learn and perform music in the jazz genre. Non-Varsity Jazz Ensemble Level 3 is designed for a 11-12th grader taking his/her 3rd year

of the jazz ensemble course. Course requires rehearsals and performances that occur outside of the school day.

Non-Varsity Jazz Ensemble Level 4

Course: 8428 Grade: 12 Credit: 1

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: Non-Varsity Jazz Ensemble Level 4 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Concurrent enrollment in Varsity or Non-Varsity Winds and Percussion or Strings is required.

Student will have the opportunity to learn and perform music in the jazz genre. Non-Varsity Jazz Ensemble Level 4 is designed for a 12th grader taking his/her 4th year of the jazz ensemble course. Course requires rehearsals and performances that occur outside of the school day.

Varsity Jazz Ensemble Level 1

Course: 8201 Grade: 9-12 Credit: 1

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: Varsity Jazz Ensemble Level 1 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Concurrent enrollment in Varsity or Non-Varsity Winds and Percussion or Strings is required.

Student will have the opportunity to learn and perform music in the jazz genre. Varsity Jazz Ensemble Level 1 is designed for a 9-12th grader taking his/her 1st year of the jazz ensemble course. Course requires rehearsals and performances that occur outside of the school day.

Varsity Jazz Ensemble Level 2

Course: 8423 Grade: 10-12 Credit: 1

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: Varsity Jazz Ensemble Level 2 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Concurrent enrollment in Varsity or Non-Varsity Winds and Percussion or Strings is required.

Student will have the opportunity to learn and perform music in the jazz genre. Varsity Jazz Ensemble Level 2 is designed for a 10-12th grader taking his/her 2nd year of the jazz ensemble course. Course requires rehearsals and performances that occur outside of the school day.

Varsity Jazz Ensemble Level 3

Course: 8424 Grade: 11-12 Credit: 1

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: Varsity Jazz Ensemble Level 3 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Concurrent enrollment in Varsity or Non-Varsity Winds and Percussion or Strings is required.

Student will have the opportunity to learn and perform music in the jazz genre. Varsity Jazz Ensemble Level 3 is designed for a 11-12th grader taking his/her 3rd year of the jazz ensemble course. Course requires rehearsals and performances that occur outside of the school day.

Varsity Jazz Ensemble Level 4

Course: 8425 Grade: 12 Credit: 1

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: Varsity Jazz Ensemble Level 4 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Concurrent enrollment in Varsity or Non-Varsity Winds and Percussion or Strings is required.

Student will have the opportunity to learn and perform music in the jazz genre. Varsity Jazz Ensemble Level 4 is designed for a 12th grader taking his/her 4th year of the jazz ensemble course. Course requires rehearsals and performances that occur outside of the school day.

Chamber Ensemble Level 1

Course: 8205 Grade: 9-12 Credit: 1

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: Chamber Ensemble Level 1 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

Concurrent enrollment in Varsity or Non-Varsity Winds and Percussion or Strings is required.

Chamber Ensemble Level 1 is designed for a 9-12th grader taking his/her 1st year of the chamber ensemble course. Students enroll in this course as a second ensemble class.

Chamber Ensemble Level 2

Course: 8444 Grade: 10-12 Credit: 1

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: Chamber Ensemble Level 2 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Concurrent enrollment in Varsity or Non-Varsity Winds and Percussion or Strings is required.

Chamber Ensemble Level 2 is designed for a 10-12th grader taking his/her 2nd year of the chamber ensemble course. Students enroll in this course as a second ensemble class.

Chamber Ensemble Level 3

Course: 8445 Grade: 11-12 Credit: 1

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: Chamber Ensemble Level 3 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Concurrent enrollment in Varsity or Non-Varsity Winds and Percussion or Strings is required.

Chamber Ensemble Level 3 is designed for a 11-12th grader taking his/her 3rd year of the chamber ensemble course. Students enroll in this course as a second ensemble class.

Chamber Ensemble Level 4

Course: 8448 Grade: 12 Credit: 1

Prerequisites: *Previous band instrument training. Placement by band director approval*

Description: Chamber Ensemble Level 4 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies. Concurrent enrollment in Varsity or Non-Varsity Winds and Percussion or Strings is required.

Chamber Ensemble Level 4 is designed for a 12th grader taking his/her 4th year of the chamber ensemble course. Students enroll in this course as a second ensemble class.

HS Non-Varsity Strings Level 1

Course: 8204 Grade: 9-12 Credit: 1

Prerequisites: *Previous string instrument training. Placement by orchestra director approval.*

Description: HS Non-Varsity Strings Level 1 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

HS Non-Varsity Strings Level 1 is designed for a 9-12th grader taking his/her 1st year of an ensemble strings. Course requires rehearsals and performances that occur outside of the school day.

HS Non-Varsity Strings Level 2

Course: 8232 Grade: 10-12 Credit: 1

Prerequisites: *Previous string instrument training. Placement by orchestra director approval.*

Description: HS Non-Varsity Strings Level 2 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

HS Non-Varsity Strings Level 2 is designed for a 10-12th grader taking his/her 2nd year of an ensemble strings. Course requires rehearsals and performances that occur outside of the school day.

HS Non-Varsity Strings Level 3

Course: 8438 Grade: 11-12 Credit: 1

Prerequisites: *Previous string instrument training. Placement by orchestra director approval.*

Description: HS Non-Varsity Strings Level 3 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

HS Non-Varsity Strings Level 3 is designed for a 11-12th grader taking his/her 3rd year of an ensemble strings. Course requires rehearsals and performances that occur outside of the school day.

HS Non-Varsity Strings Level 4
Course: 8439 Grade: 12 Credit: 1

Prerequisites: *Previous string instrument training. Placement by orchestra director approval.*

Description: HS Non-Varsity Strings Level 4 is a regularly performing ensemble that may participate in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

HS Non-Varsity Strings Level 4 is designed for a 12th grader taking his/her 4th year of an ensemble strings. Course requires rehearsals and performances that occur outside of the school day.

HS Varsity Strings Level 1
Course: 8203 Grade: 9-12 Credit: 1

Prerequisites: *Previous string instrument training. Placement by orchestra director approval.*

Description: HS Varsity Strings Level 1 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

HS Varsity Strings Level 1 is designed for a 9-12th grader taking his/her 1st year of an ensemble strings. Course requires rehearsals and performances that occur outside of the school day.

HS Varsity Strings Level 2
Course: 8433 Grade: 10-12 Credit: 1

Prerequisites: *Previous string instrument training. Placement by orchestra director approval.*

Description: HS Varsity Strings Level 2 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

HS Varsity Strings Level 2 is designed for a 10-12th grader taking his/her 2nd year of an ensemble strings. Course requires rehearsals and performances that occur outside of the school day.

HS Varsity Strings Level 3
Course: 8434 Grade: 11-12 Credit: 1

Prerequisites: *Previous string instrument training. Placement by orchestra director approval.*

Description: HS Varsity Strings Level 3 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

HS Varsity Strings Level 3 is designed for a 11-12th grader taking his/her 3rd year of an ensemble strings. Course requires rehearsals and performances that occur outside of the school day.

HS Varsity Strings Level 4
Course: 8429 Grade: 12 Credit: 1

Prerequisites: *Previous string instrument training. Placement by orchestra director approval.*

Description: HS Varsity Strings Level 4 is a regularly performing ensemble that participates in the UIL evaluation process. Placement by audition only and with band director approval. An instrument use fee applies.

HS Varsity Strings Level 4 is designed for a 12th grader taking his/her 4th year of an ensemble strings. Course requires rehearsals and performances that occur outside of the school day.

General Music

Piano Forte Level 1
Course: 8175 Grade: 9-12 Credit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: Piano Forte Level 1 introduces beginning to advanced piano students to the fundamentals of music, piano techniques, piano improvisation, accompanying and songwriting. Studies include keyboard theory and sight reading.

Piano Forte Level 1 is designed for a 9-12th grader taking his/her 1st year of the Piano Forte course sequence. Students are expected to perform in formal/informal concert settings, district and UIL sponsored events. Rehearsals and performances outside the school day are required.

Piano Forte Level 2
Course: 8549 Grade: 10-12 Credit: 1

Prerequisites: *Piano Forge Level 1 - placement by audition and teacher approval*

Description: Piano Forte Level 2 introduces beginning to advanced piano students to the fundamentals of music, piano techniques, piano improvisation, accompanying

and songwriting. Studies include keyboard theory and sight reading.

Piano Forte Level 2 is designed for a 10-12th grader taking his/her 2nd year of the Piano Forte course sequence. Students are expected to perform in formal/informal concert settings, district and UIL sponsored events. Rehearsals and performances outside the school day are required.

Piano Forte Level 3

Course: 8550 Grade: 11-12 Credit: 1

Prerequisites: *Piano Forte Level 2 - placement by audition and teacher approval*

Description: Piano Forte Level 3 introduces beginning to advanced piano students to the fundamentals of music, piano techniques, piano improvisation, accompanying and songwriting. Studies include keyboard theory and sight reading.

Piano Forte Level 3 is designed for a 11-12th grader taking his/her 3rd year of the Piano Forte course sequence. Students are expected to perform in formal/informal concert settings, district and UIL sponsored events. Rehearsals and performances outside the school day are required.

Piano Forte Level 4

Course: 8551 Grade: 12 Credit: 1

Prerequisites: *Piano Forge Level 3 - placement by audition and teacher approval*

Description: Piano Forte Level 4 introduces beginning to advanced piano students to the fundamentals of music, piano techniques, piano improvisation, accompanying and songwriting. Studies include keyboard theory and sight reading.

Piano Forte Level 4 is designed for a 12th grader taking his/her 4th year of the Piano Forte course sequence. Students are expected to perform in formal/informal concert settings, district and UIL sponsored events. Rehearsals and performances outside the school day are required.

Music Appreciation I

Course: 8176 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This course will introduce students to a historical overview of the role and importance of music throughout history and various cultures. Students will be introduced to the fundamentals of music, musical styles and periods and genres. The composers, performers and their music will be studied in relation to historical, political, social and religious events. Students may be required to complete class projects and attend concerts out of school time.

Music Appreciation II

Course: 8177 Grade: 9-12 Credit: 1

Prerequisites: *Music Appreication I*

Description: This course will introduce students to an in depth overview of the role and importance of music throughout history and various cultures. Students will expand upon the ideas presented in Music Appreciation I. The composers, performers and their music will be studied in relation to historical, political, social and religious events. Students may be required to complete class projects and attend concerts out of school time.

Dual Credit- Music Appreication I

Course: 8178 Grade: 9-12 Credit: 1

Prerequisites: *Follow Dallas ISD Dual Credit procedures and guidelines*

Description: This course will introduce students to a historical overview of the role and importance of music throughout history and various cultures. Students will be introduced to the fundamentals of music, musical styles and periods and genres. The composers, performers and their music will be studied in relation to historical, political, social and religious events. Students may be required to complete class projects and attend concerts out of school time.

Music Theory Level 1

Course: 8179 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This course will offer an in-depth study of the elements of music: pitch, rhythm, melody, harmony, texture and form. Students should have prior knowledge/study of music and the ability to play an instrument. Students may be required to complete class projects which require out of school time.

Pre-AP Music Theory
Course: 8180 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: This course will offer an in-depth study of the elements of music: pitch, rhythm, melody, harmony, texture and form. Students should have prior knowledge/study of music and the ability to play an instrument. Music skills in the course include listening, basic piano proficiency, keyboard theory, score analysis, sight singing, and composition. Students will be expected to take the AP practice exam and complete class projects which may require out of school time.

AP Music Theory
Course: 8181 Grade: 10-12 Credit: 1

Prerequisites: *Music Theory Level 1 and/or Pre-AP Music Theory*

Description: This course is intended to prepare students for college level music studies while in high school. Central to this course will be listening, score analysis, keyboard theory, composition, music literacy, sight singing, and basic piano proficiency. Students should have prior knowledge/study of music and the ability to play an instrument. Students will be expected to take the AP exam and complete class projects which may require out of school time.

Choral Music

Choir Varsity Mixed Level 1
Course: 8169 Grade: 9-12 Credit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: Choir Varsity Mixed Level 1 The Mixed Choir is the varsity choral ensemble for men and women's voices and participates in DISD, UIL, and TMEA activities. Students receive training in vocal and choral techniques as well as advanced sight-reading skills. A wide variety of choral literature is studied.

Choir Varsity Mixed Level 1 is designed for a 9-12th grader taking his/her 1st year of an ensemble choir course. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Choir Varsity Mixed Level 2
Course: 8555 Grade: 10-12 Credit: 1

Prerequisites: *Choir Level 1 course - placement by audition and teacher approval*

Description: Choir Varsity Mixed Level 2 The Mixed Choir is the varsity choral ensemble for men and women's voices and participates in DISD, UIL, and TMEA activities. Students receive training in vocal and choral techniques as well as advanced sight-reading skills. A wide variety of choral literature is studied.

Choir Varsity Mixed Level 2 is designed for a 10-12th grader taking his/her 2nd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Choir Varsity Mixed Level 3
Course: 8468 Grade: 11-12 Credit: 1

Prerequisites: *Choir level 2 course - placement by audition and teacher approval*

Description: Choir Varsity Mixed Level 3 The Mixed Choir is the varsity choral ensemble for men and women's voices and participates in DISD, UIL, and TMEA activities. Students receive training in vocal and choral techniques as well as advanced sight-reading skills. A wide variety of choral literature is studied.

Choir Varsity Mixed Level 3 is designed for a 11-12th grader taking his/her 3rd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Choir Varsity Mixed Level 4
Course: 8469 Grade: 12 Credit: 1

Prerequisites: *Choir level 3 course - placement by audition and teacher approval*

Description: Choir Varsity Mixed Level 4 The Mixed Choir is the varsity choral ensemble for men and women's voices and participates in DISD, UIL, and TMEA activities. Students receive training in vocal and choral techniques as well as advanced sight-reading skills. A wide variety of choral literature is studied.

Choir Varsity Mixed Level 4 is designed for a 12th grader taking his/her 4th year of an ensemble choir course. Students are expected to perform in formal and informal

concert settings. Rehearsals and performances outside the school day are required.

Choir HS Non-Varsity Treble Level 1

Course: 8171 Grade: 9-12 Credit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: Choir HS Non-Varsity Treble Level 1 is the non-varsity choral ensemble for women's voices and participates in DISD, UIL, and TMEA activities. Musicianship is developed through the study of vocal techniques, sight-reading skills as well as listening skills.

Choir HS Non-Varsity Treble Level 1 is designed for a 9-12th grader taking his/her 1st year of an ensemble choir course. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Choir HS Non-Varsity Treble Level 2

Course: 8565 Grade: 10-12 Credit: 1

Prerequisites: *Choir Level 1 course - placement by audition and teacher approval*

Description: Choir HS Non-Varsity Treble Level 2 is the non-varsity choral ensemble for women's voices and participates in DISD, UIL, and TMEA activities. Musicianship is developed through the study of vocal techniques, sight-reading skills as well as listening skills.

Choir HS Non-Varsity Treble Level 2 is designed for a 10-12th grader taking his/her 2nd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Choir HS Non-Varsity Treble Level 3

Course: 8566 Grade: 11-12 Credit: 1

Prerequisites: *Choir level 2 course - placement by audition and teacher approval*

Description: Choir HS Non-Varsity Treble Level 3 is the non-varsity choral ensemble for women's voices and participates in DISD, UIL, and TMEA activities. Musicianship is developed through the study of vocal techniques, sight-reading skills as well as listening skills.

Choir HS Non-Varsity Treble Level 3 is designed for a 11-12th grader taking his/her 3rd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Choir HS Non-Varsity Treble Level 4

Course: 8567 Grade: 12 Credit: 1

Prerequisites: *Choir level 3 course - placement by audition and teacher approval*

Description: Choir HS Non-Varsity Treble Level 4 is the non-varsity choral ensemble for women's voices and participates in DISD, UIL, and TMEA activities. Musicianship is developed through the study of vocal techniques, sight-reading skills as well as listening skills.

Choir HS Non-Varsity Treble Level 4 is designed for a 12th grader taking his/her 4th year of an ensemble choir course. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Choir Varsity Treble Level 1

Course: 8170 Grade: 9-12 Credit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: Choir Varsity Treble Level 1 is the varsity choral ensemble for women's voices and participates in Dallas ISD, UIL, and TMEA activities. Students receive training in vocal and choral techniques as well as advanced sight-reading skills. A wide variety of choral literature is studied.

Choir Varsity Treble Level 1 is designed for a 9-12th grader taking his/her 1st year of an ensemble choir course. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Choir Varsity Treble Level 2

Course: 8552 Grade: 10-12 Credit: 1

Prerequisites: *Choir Level 1 course - placement by audition and teacher approval*

Description: Choir Varsity Treble Level 2 is the varsity choral ensemble for women's voices and participates in Dallas ISD, UIL, and TMEA activities. Students receive training in vocal and choral techniques as well as advanced sight-reading skills. A wide variety of choral literature is studied.

Choir Varsity Treble Level 2 is designed for a 10-12th grader taking his/her 2nd year of an ensemble choir course. Students are expected to perform in formal and

informal concert settings. Rehearsals and performances outside the school day are required.

Choir Varsity Treble Level 3

Course: 8553 Grade: 11-12 Credit: 1

Prerequisites: *Choir level 2 course - placement by audition and teacher approval*

Description: Choir Varsity Treble Level 3 is the varsity choral ensemble for women's voices and participates in Dallas ISD, UIL, and TMEA activities. Students receive training in vocal and choral techniques as well as advanced sight-reading skills. A wide variety of choral literature is studied.

Choir Varsity Treble Level 3 is designed for a 11-12th grader taking his/her 3rd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Choir Varsity Treble Level 4

Course: 8554 Grade: 12 Credit: 1

Prerequisites: *Choir level 3 course - placement by audition and teacher approval*

Description: Choir Varsity Treble Level 4 is the varsity choral ensemble for women's voices and participates in Dallas ISD, UIL, and TMEA activities. Students receive training in vocal and choral techniques as well as advanced sight-reading skills. A wide variety of choral literature is studied.

Choir Varsity Treble Level 4 is designed for a 12th grader taking his/her 4th year of an ensemble choir course. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Varsity Vocal Ensemble Level 1

Course: 8174 Grade: 9-12 Credit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: Varsity Vocal Ensemble Level 1 is designed for the smaller, select group whose repertoire may range from sixteenth century madrigals to twentieth century literature and may include gospel, pop, vocal jazz and rock. The course emphasizes carrying an independent part in the ensemble.

Varsity Vocal Ensemble Level 1 is designed for a 9-12th grader taking his/her 1st year of an ensemble choir course. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Varsity Vocal Ensemble Level 2

Course: 8556 Grade: 10-12 Credit: 1

Prerequisites: *Varsity Vocal Ensemble Level 1 - placement by audition and teacher approval*

Description: Varsity Vocal Ensemble Level 2 is designed for the smaller, select group whose repertoire may range from sixteenth century madrigals to twentieth century literature and may include gospel, pop, vocal jazz and rock. The course emphasizes carrying an independent part in the ensemble.

Varsity Vocal Ensemble Level 2 is designed for a 10-12th grader taking his/her 2nd year of the Varsity Vocal Ensemble course sequence. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Varsity Vocal Ensemble Level 3

Course: 8557 Grade: 11-12 Credit: 1

Prerequisites: *Varsity Vocal Ensemble Level 2 - placement by audition and teacher approval*

Description: Varsity Vocal Ensemble Level 3 is designed for the smaller, select group whose repertoire may range from sixteenth century madrigals to twentieth century literature and may include gospel, pop, vocal jazz and rock. The course emphasizes carrying an independent part in the ensemble.

Varsity Vocal Ensemble Level 3 is designed for a 11-12th grader taking his/her 3rd year of the Varsity Vocal Ensemble course sequence. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Varsity Vocal Ensemble Level 4

Course: 8558 Grade: 12 Credit: 1

Prerequisites: *Varsity Vocal Ensemble Level 3 - placement by audition and teacher approval*

Description: Varsity Vocal Ensemble Level 4 is designed for the smaller, select group whose repertoire may range from sixteenth century madrigals to twentieth century literature and may include gospel, pop, vocal jazz and

rock. The course emphasizes carrying an independent part in the ensemble.

Varsity Vocal Ensemble Level 4 is designed for a 12th grader taking his/her 4th year of the Varsity Vocal Ensemble course sequence. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Choir Non-Varsity Tenor Bass Level 1

Course: 8173 Grade: 9-12 Credit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: Choir Non-Varsity Tenor Bass Level 1 is the non-varsity choral ensemble for men's voices and participates in DISD, UIL, and TMEA activities. Musicianship is developed through the study of vocal techniques, sight-reading skills as well as listening skills.

Choir Non-Varsity Tenor Bass Level 1 is designed for a 9-12th grader taking his/her 1st year of an ensemble choir course. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Choir Non-Varsity Tenor Bass Level 2

Course: 8559 Grade: 10-12 Credit: 1

Prerequisites: *Choir Level 1 course - placement by audition and teacher approval*

Description: Choir Non-Varsity Tenor Bass Level 2 is the non-varsity choral ensemble for men's voices and participates in DISD, UIL, and TMEA activities. Musicianship is developed through the study of vocal techniques, sight-reading skills as well as listening skills.

Choir Non-Varsity Tenor Bass Level 2 is designed for a 10-12th grader taking his/her 2nd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Choir Non-Varsity Tenor Bass Level 3

Course: 8560 Grade: 11-12 Credit: 1

Prerequisites: *Choir level 2 course - placement by audition and teacher approval*

Description: Choir Non-Varsity Tenor Bass Level 3 is the non-varsity choral ensemble for men's voices and participates in DISD, UIL, and TMEA activities. Musicianship is developed through the study of vocal techniques, sight-reading skills as well as listening skills.

Choir Non-Varsity Tenor Bass Level 3 is designed for a 11-12th grader taking his/her 3rd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Choir Non-Varsity Tenor Bass Level 4

Course: 8561 Grade: 12 Credit: 1

Prerequisites: *Choir level 3 course - placement by audition and teacher approval*

Description: Choir Non-Varsity Tenor Bass Level 4 is the non-varsity choral ensemble for men's voices and participates in DISD, UIL, and TMEA activities. Musicianship is developed through the study of vocal techniques, sight-reading skills as well as listening skills.

Choir Non-Varsity Tenor Bass Level 4 is designed for a 12th grader taking his/her 4th year of an ensemble choir course. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Choir Varsity Tenor Bass Level 1

Course: 8172 Grade: 9-12 Credit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: Choir Varsity Tenor Bass Level 1 is the varsity choral ensemble for men's voices and participates in DISD, UIL, and TMEA activities. Students receive training in vocal and choral techniques as well as advanced sight-reading skills. A wide variety of choral literature is studied.

Choir Varsity Tenor Bass Level 1 is designed for a 9-12th grader taking his/her 1st year of an ensemble choir course. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Choir Varsity Tenor Bass Level 2

Course: 8562 Grade: 10-12 Credit: 1

Prerequisites: *Choir Level 1 course - placement by audition and teacher approval*

Description: Choir Varsity Tenor Bass Level 2 is the varsity choral ensemble for men's voices and participates in DISD, UIL, and TMEA activities. Students receive training in vocal and choral techniques as well as advanced sight-

reading skills. A wide variety of choral literature is studied.

Choir Varsity Tenor Bass Level 2 is designed for a 10-12th grader taking his/her 2nd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Choir Varsity Tenor Bass Level 3

Course: 8563 Grade: 11-12 Credit: 1

Prerequisites: *Choir level 2 course - placement by audition and teacher approval*

Description: Choir Varsity Tenor Bass Level 3 is the varsity choral ensemble for men's voices and participates in DISD, UIL, and TMEA activities. Students receive training in vocal and choral techniques as well as advanced sight-reading skills. A wide variety of choral literature is studied.

Choir Varsity Tenor Bass Level 3 is designed for a 11-12th grader taking his/her 3rd year of an ensemble choir course. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Choir Varsity Tenor Bass Level 4

Course: 8564 Grade: 12 Credit: 1

Prerequisites: *Choir level 3 course - placement by audition and teacher approval*

Description: Choir Varsity Tenor Bass Level 4 is the varsity choral ensemble for men's voices and participates in DISD, UIL, and TMEA activities. Students receive training in vocal and choral techniques as well as advanced sight-reading skills. A wide variety of choral literature is studied.

Choir Varsity Tenor Bass Level 4 is designed for a 12th grader taking his/her 4th year of an ensemble choir course. Students are expected to perform in formal and informal concert settings. Rehearsals and performances outside the school day are required.

Theatre

Theatre I

Course: 8034 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This course is an introduction to HS level Theatre. It begins with basic acting techniques, the role of the actor in interpreting dramatic literature, the historical evolution of performance styles, and the introduction to stagecraft. Out-of-school rehearsals for performances are required.

Theatre II

Course: 8035 Grade: 10-12 Credit: 1

Prerequisites: *Theatre I and teacher approval*

Description: This course emphasizes expressive use of the body and voice. It includes analyzing and interpreting scripts and characters, employs acting skills, classical production styles and career education. Out-of-school rehearsals for performances are required.

Theatre III

Course: 8036 Grade: 11-12 Credit: 1

Prerequisites: *Theatre II and teacher approval*

Description: Theatre III builds on the background established in Theatre I and II, continuing the study of the cultural contributions of the theatre, its plays, and its performance and production styles and techniques. Students will have the opportunity to study mime, dance, drama, theatre for children, musical theatre, radio, television, film, and career options. Out-of-school rehearsals and performances are required. Theatre III & IV may be taught taught concurrently.

Theatre IV

Course: 8037 Grade: 12 Credit: 1

Prerequisites: *Theatre III and teacher approval*

Description: Theatre IV builds on the background established in Theatre I and II, continuing the study of the cultural contributions of the theatre, its plays, and its performance and production styles and techniques. Students will have the opportunity to study mime, dance, drama, theatre for children, musical theatre, radio, television, film, and career options. Out-of-school rehearsals and performances are required. Theatre III & IV may be taught taught concurrently.

Theatre Tech I
Course: 8038 Grade: 9-12 Credit: 1

Prerequisites: *Placement by teacher approval*

Description: This course introduces students to stage equipment, stage safety procedures, weights and balances for stage rigging, the operation of scenery, makeup, sound, public relations programs, theatre management, as well as, lighting properties and instruments. This course also introduces basic set construction and engineering principles for stage design. Out-of-school rehearsals and tech assistance for performances are required.

Theatre Tech II
Course: 8039 Grade: 10-12 Credit: 1

Prerequisites: *Theatre Tech I - placement by teacher approval*

Description: This course builds on the skills introduced in Theatre Tech I. Students continue to learn stage equipment, stage safety procedures, weights and balances for stage rigging, the operation of scenery, makeup, sound, public relations programs, theatre management as well as lighting properties and instruments. This course also introduces basic set construction and engineering principles for stage design. Out-of-school rehearsals and tech assistance for performances are required.

Theatre Tech III
Course: 8066 Grade: 11-12 Credit: 1

Prerequisites: *Theatre Tech II - placement by teacher approval*

Description: Theatre Tech III combines theories of design and stagecraft techniques with the construction and operation of the various elements of technical theatre. Students learn all aspects of technical theatre: lighting, sound, set design and construction, costuming, makeup, stage and house management. Students will be able to participate in all the behind-the-scenes action. Students will be expected to show a high level of self-motivation, creative problem-solving, organization skills, talent (artistic and technical), and cooperation. Out-of-school rehearsals and tech assistance for performances are required.

Theatre Tech IV
Course: 8067 Grade: 12 Credit: 1

Prerequisites: *Theatre Tech III - placement by teacher approval*

Description: Theatre Tech IV combines theories of design and stagecraft techniques with the construction and operation of the various elements of technical theatre. Students learn all aspects of technical theatre: lighting, sound, set design and construction, costuming, makeup, stage and house management. Students will be able to participate in all the behind-the-scenes action. Students will be expected to show a high level of self-motivation, creative problem-solving, organization skills, talent (artistic and technical), and cooperation. Out-of-school rehearsals and tech assistance for performances are required.

Theatre Production Ensemble I
Course: 8068 Grade: 12 Credit: 1

Prerequisites: *Placement by audition and teacher approval*

Description: Theatre Production Ensemble I provides practical, hands-on experience in acting and stagecraft allowing students to develop production and acting skills for public performance outside school hours. Students learn about career opportunities for theatre professionals, i.e., create a theatrical resume, royalties and contract negotiations for productions. Students prepare audition pieces. Out-of-school rehearsals and performances are required. Theatre Production Ensemble levels I-IV may be taught concurrently.

Theatre Production Ensemble II
Course: 8068 Grade: 10-12 Credit: 1

Prerequisites: *Theatre Production Ensemble I - Placement by audition and teacher approval*

Description: Theatre Production Ensemble II provides practical, hands-on experience in acting and stagecraft allowing students to develop production and acting skills for public performance outside school hours. Students learn about career opportunities for theatre professionals, i.e., create a theatrical resume, royalties and contract negotiations for productions. Students prepare audition pieces. Out-of-school rehearsals and performances are required. Theatre Production Ensemble levels I-IV may be taught concurrently.

Theatre Production Ensemble III
Course: 8068 Grade: 11-12 Credit: 1

Prerequisites: *Theatre Production Ensemble II - Placement by audition and teacher approval*

Description: Theatre Production Ensemble III provides practical, hands-on experience in acting and stagecraft

allowing students to develop production and acting skills for public performance outside school hours. Students learn about career opportunities for theatre professionals, i.e., create a theatrical resume, royalties and contract negotiations for productions. Students prepare audition pieces. Out-of-school rehearsals and performances are required. Theatre Production Ensemble levels I-IV may be taught concurrently.

Theatre Production Ensemble IV
Course: 8068 Grade: 12 Credit: 1

Prerequisites: *Theatre Production Ensemble III - Placement by audition and teacher approval*

Description: Theatre Production Ensemble IV provides practical, hands-on experience in acting and stagecraft allowing students to develop production and acting skills for public performance outside school hours. Students learn about career opportunities for theatre professionals, i.e., create a theatrical resume, royalties and contract negotiations for productions. Students prepare audition pieces. Out-of-school rehearsals and performances are required. Theatre Production Ensemble levels I-IV may be taught concurrently.

Dance

Dance Arts I
Course: 8159 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This course is a study of dance as a means to understand self and others, to communicate in dramatic form, to study history and culture and to evaluate art. Dance genres may include modern, world dance, ballet, jazz, tap, and social dance. Out-of-school rehearsals and performances are required. Dance Arts I fulfills the fine arts requirement for graduation

Dance Arts II
Course: 8160 Grade: 10-12 Credit: 1

Prerequisites: *Dance Arts I and teacher approval*

Description: This course continues to build on the skills and experiences gained in earlier levels of Dance Arts. Students continue to study of dance a means to understand self and others, to communicate in dramatic form, to study history and culture and to evaluate art. Dance genres may include modern, world dance, ballet, jazz, tap, and social dance. Students, improvise, choreograph and perform. Out-of-school rehearsals and performances are required. Varsity Dance Arts I fulfills the fine arts requirement for graduation. Dance Arts II, III and IV are possible P.E. substitutes.

Dance Arts III
Course: 8161 Grade: 11-12 Credit: 1

Prerequisites: *Dance Arts II and teacher approval*

Description: This course continues to build on the skills and experiences gained in earlier levels of Dance Arts. Students continue to study of dance a means to understand self and others, to communicate in dramatic form, to study history and culture and to evaluate art. Dance genres may include modern, world dance, ballet, jazz, tap, and social dance. Students, improvise, choreograph and perform. Out-of-school rehearsals and performances are required. Varsity Dance Arts I fulfills the fine arts requirement for graduation. Dance Arts II, III and IV are possible P.E. substitutes.

Dance Arts IV
Course: 8162 Grade: 12 Credit: 1

Prerequisites: *Dance Arts III and teacher approval*

Description: This course continues to build on the skills and experiences gained in earlier levels of Dance Arts. Students continue to study of dance a means to understand self and others, to communicate in dramatic form, to study history and culture and to evaluate art. Dance genres may include modern, world dance, ballet, jazz, tap, and social dance. Students, improvise, choreograph and perform. Out-of-school rehearsals and performances are required. Varsity Dance Arts I fulfills the fine arts requirement for graduation. Dance Arts II, III and IV are possible P.E. substitutes.

Varsity Dance Ensemble I
Course: 8164 Grade: 9-12 Credit: 1

Prerequisites: *Admission by audition and teacher approval*

Description: The Varsity Dance Ensemble is the top dance ensemble at the campus and participates in all DISD activities. Students develop performance techniques, fundamental skills in a variety of dance genres: modern/contemporary, world dance, ballet, jazz, tap, and social dance. Performances and rehearsals outside of the school day are required. Levels I-IV are taught concurrently. Varsity Dance Ensemble I fulfills the fine arts requirement for graduation. Varsity Dance Ensemble II, III, and IV are possible P.E. substitutes.

Non-Varsity Dance Enseemble I

Course: 8164 Grade: 9-12 Credit: 1

Prerequisites: *Admission by audition and teacher approval*

Description: The Non Varsity Dance Ensemble is a basic training ensemble. The primary function is to develop performance techniques, fundamental skills and confidence performing in a classroom setting, as well as on campus and in the community. The ensemble studies and performs a variety of dance genres: modern, world dance, ballet, jazz, tap, and social dance. Performances and rehearsals outside of the school day are required. This is a full year course. Levels I-IV are taught concurrently. Non-Varsity Dance Ensemble I fulfills the fine arts requirement for graduation. Non-Varsity Dance Ensemble II, III, and IV are possible P.E. substitutes.

Varsity Dance Ensemble II

Course: 8447 Grade: 10-12 Credit: 1

Prerequisites: *Varsity or Non-Varsity Dance Ensemble I - admission by audition and teacher approval*

Description: The Varsity Dance Ensemble is the top dance ensemble at the campus and participates in all DISD activities. Students develop performance techniques, fundamental skills in a variety of dance genres: modern/contemporary, world dance, ballet, jazz, tap, and social dance. Performances and rehearsals outside of the school day are required. Levels I-IV are taught concurrently. Varsity Dance Ensemble I fulfills the fine arts requirement for graduation. Varsity Dance Ensemble II, III, and IV are possible P.E. substitutes.

Varsity Dance Ensemble III

Course: 8448 Grade: 11-12 Credit: 1

Prerequisites: *Varsity or Non-Varsity Dance Ensemble II - admission by audition and teacher approval*

Description: The Varsity Dance Ensemble is the top dance ensemble at the campus and participates in all DISD activities. Students develop performance techniques, fundamental skills in a variety of dance genres: modern/contemporary, world dance, ballet, jazz, tap, and social dance. Performances and rehearsals outside of the school day are required. Levels I-IV are taught concurrently. Varsity Dance Ensemble I fulfills the fine arts requirement for graduation. Varsity Dance Ensemble II, III, and IV are possible P.E. substitutes.

Varsity Dance Ensemble IV

Course: 8449 Grade: 12 Credit: 1

Prerequisites: *Varsity or Non-Varsity Dance Ensemble III - admission by audition and teacher approval*

Description: The Varsity Dance Ensemble is the top dance ensemble at the campus and participates in all DISD activities. Students develop performance techniques, fundamental skills in a variety of dance genres: modern/contemporary, world dance, ballet, jazz, tap, and social dance. Performances and rehearsals outside of the school day are required. Levels I-IV are taught concurrently. Varsity Dance Ensemble I fulfills the fine arts requirement for graduation. Varsity Dance Ensemble II, III, and IV are possible P.E. substitutes.

Non-Varsity Dance Enseemble III

Course: 8455 Grade: 11-12 Credit: 1

Prerequisites: *Varsity or Non-Varsity Dance Ensemble II - admission by audition and teacher approval*

Description: The Non Varsity Dance Ensemble is a basic training ensemble. The primary function is to develop performance techniques, fundamental skills and confidence performing in a classroom setting, as well as on campus and in the community. The ensemble studies and performs a variety of dance genres: modern, world dance, ballet, jazz, tap, and social dance. Performances and rehearsals outside of the school day are required. This is a full year course. Levels I-IV are taught concurrently. Non-Varsity Dance Ensemble I fulfills the fine arts requirement for graduation. Non-Varsity Dance Ensemble II, III, and IV are possible P.E. substitutes.

Non-Varsity Dance Enseemble IV

Course: 8456 Grade: 12 Credit: 1

Prerequisites: *Varsity or Non-Varsity Dance Ensemble III - admission by audition and teacher approval*

Description: The Non Varsity Dance Ensemble is a basic training ensemble. The primary function is to develop performance techniques, fundamental skills and confidence performing in a classroom setting, as well as on campus and in the community. The ensemble studies and performs a variety of dance genres: modern, world dance, ballet, jazz, tap, and social dance. Performances and rehearsals outside of the school day are required. This is a full year course. Levels I-IV are taught concurrently. Non-Varsity Dance Ensemble I fulfills the fine arts requirement for graduation. Non-Varsity Dance Ensemble II, III, and IV are possible P.E. substitutes.

Non-Varsity Dance Enseemble II
Course: 8485 Grade: 10-12 Credit: 1

Prerequisites: *Varsity or Non-Varsity Dance Ensemble I - admission by audition and teacher approval*

Description: The Non Varsity Dance Ensemble is a basic training ensemble. The primary function is to develop performance techniques, fundamental skills and confidence performing in a classroom setting, as well as on campus and in the community. The ensemble studies and performs a variety of dance genres: modern, world dance, ballet, jazz, tap, and social dance. Performances and rehearsals outside of the school day are required. This is a full year course. Levels I-IV are taught concurrently. Non-Varsity Dance Ensemble I fulfills the fine arts requirement for graduation. Non-Varsity Dance Ensemble II, III, and IV are possible P.E. substitutes.

Drill Team (Local Credit)
Course: 4676 Grade: 11-12 Credit: 1

Prerequisites: *PE substitution Drill Team FALL*

Description: This course supports the knowledge and skills of Drill Team technique, choreography, and performance

Drill Team (Local Credit)
Course: 4677 Grade: 11-12 Credit: 1

Prerequisites: *PE substitution Drill Team SPRING*

Description: This course supports the knowledge and skills of Drill Team technique, choreography, and performance

PE Equivalent Drill Team I Sem 1
Course: 4855 Grade: 9 Credit: 1

Prerequisites: *PE substitution Drill Team SPRING*

Description: This course supports the knowledge and skills of Drill Team technique, choreography, and performance

PE Substitution Drill Team (Fall)
Course: 4864 Grade: 10 Credit: 1

Prerequisites: *Dance 1, concurrently or previously*

Description: This course supports the knowledge and skills of Drill Team technique, choreography, and performance

PE Substitution Drill Team (Spring)
Course: 4865 Grade: 10 Credit: 1

Prerequisites: *Dance 1, concurrently or previously*

Description: This course supports the knowledge and skills of Drill Team technique, choreography, and performance

Art

Studio Art I
Course: 8285 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: An introductory studio art course, students acquire foundational visual literacy skills through observation and perception, creative expression, global awareness and critical evaluation and response. Using a variety of materials and methods to create original artworks, students explore the elements of art and principles of design through drawing, painting, printmaking, ceramics, sculpture and digital media. All students construct and compile a portfolio to provide evidence of learning and growth.

Pre-AP Studio Art I
Course: 8292 Grade: 9-12 Credit: 1

Prerequisites: *MS art teachers recommendation or HS art teacher approval*

Description: For serious art students ONLY, this course focuses on craftsmanship and exploring individual ideas and themes. Students acquire foundational visual literacy skills through observation and perception, creative expression, global awareness and critical evaluation and response. Using a variety of materials and methods (drawing, painting, printmaking, ceramics, sculpture and digital arts) to create original artworks, students become proficient in using the elements of art and principles of design. All students construct and compile a portfolio for VASE and other art contests.

Pre-AP Studio Art II
Course: 8308 Grade: 10-12 Credit: 1

Prerequisites: *Studio Art I or Pre-AP Studio Art I; teacher approval*

Description: In preparation for AP Drawing, 2D Design or 3D Design portfolio submission, students create an advanced interpretation of various drawing or design

issues using a variety of mediums and techniques. For serious art students ONLY.

Studio Art II
Course: 8319 Grade: 11-12 Credit: 1

Prerequisites: *Studio Art I or Pre-AP Studio Art 1*

Description: In this course students will be provided with a sequential program to further develop and build on the experience gained in Studio Art I. Art history, aesthetics, and criticism will be integrated with studio production in all aspects of art making. Emphasis is on idea development, creative thinking, self-expression, and nonverbal communication. A portfolio will be compiled to show artistic growth in a variety of 2D, 3D and digital mediums.

Studio Art III
Course: 8457 Grade: 11-12 Credit: 1

Prerequisites: *Studio Art I + Studio Art II or a level II art course*

Description: In this course, students combine technical skills and knowledge from Studio Art II to develop an individual style and voice to communicate ideas. Artworks articulate responses to personal and global issues through the integration of traditional and electronic media. Portfolios present artworks in diverse formats, preparing students for AP Studio courses.

Studio Art IV
Course: 8536 Grade: 12 Credit: 1

Prerequisites: *Studio Art I, II and III or level I, II and III art courses*

Description: A senior only class, students further explore individualized skills and interests in selected media. This course will allow students to create their own style and portfolio.

AP Drawing Studio
Course: 8206 Grade: 11-12 Credit: 1

Prerequisites: *Studio Art I and II or Pre-AP Studio Art 1 and II or Studio Art I and a level II art course*

Description: This course is an inquiry-based approach to learning about and making art and design. Students are expected to conduct an in-depth, sustained investigation of materials, processes, and ideas using the principles of design. AP Art and Design students develop and apply skills of inquiry and investigation, practice, experimentation, revision, communication, and reflection.

For this portfolio, students are asked to demonstrate mastery of mark making through a very broad interpretation of drawing issues and media. Line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth and mark making are drawing issues that can be addressed through a variety of means, which could include painting, printmaking, mixed media, digitally, etc. Abstract and observational works should demonstrate drawing competence. All enrolled students are expected to develop and submit a portfolio of 15 images demonstrating a sustained investigation at the end of April.

AP Art History
Course: 8209 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: This introductory college level course provides the student with a thorough understanding and knowledge of architecture, painting, sculpture, and other art forms within diverse historical and cultural contexts. Students analyze major forms of artistic expression from the past, the present and a variety of cultures. This

: *None*course requires a strong commitment to academic work (reading and writing) and time outside of class (5+ hours per week) in order to meet college standards. All enrolled students are expected to take the AP Art History exam in May.

AP 3D Design Studio
Course: 8238 Grade: 11-12 Credit: 1

Prerequisites: *Studio Art I and II or Pre-Ap Art I and II or Studio Art I and Ceramics II or Sculpture II*

Description: This course is an inquiry-based approach to learning about and making art and design. Students are expected to conduct an in-depth, sustained investigation of materials, processes, and ideas using the principles of design. AP Art and Design students develop and apply skills of inquiry and investigation, practice, experimentation, revision, communication, and reflection.

For this portfolio, students are asked to demonstrate mastery of 3D design through any three-dimensional process such as but not limited to figurative or nonfigurative sculpture, architectural models, metalwork, ceramics, glass work, installation,

assemblage, 3D fabric/fiber arts or 3D computer generated models. All enrolled students are expected to develop and submit a portfolio of 15 images demonstrating a sustained investigation at the end of April.

AP 2D Design Studio

Course: 8282 Grade: 11-12 Credit: 1

Prerequisites: *Studio Art I and II or Pre-AP Studio Art 1 and II or Studio Art I and a level II art course*

Description: This course is an inquiry-based approach to learning about and making art and design. Students are expected to conduct an in-depth, sustained investigation of materials, processes, and ideas using the principles of design. AP Art and Design students develop and apply skills of inquiry and investigation, practice, experimentation, revision, communication, and reflection.

For this portfolio, students are asked to demonstrate mastery of 2D design through any two-dimensional medium or process, including, but not limited to, graphic design, digital imaging, illustration and photography, collage, fabric design, weaving, fashion design, fashion illustration, painting and printmaking. All enrolled students are expected to develop and submit a portfolio of 15 images demonstrating a sustained investigation at the end of April.

CAREER & TECHNICAL EDUCATION COURSES

Agriculture, Food, and Natural Resources

Principles of Agriculture, Food, and Natural Resources

Course: 7238 Grade: 9-12 Credit: 1

Prerequisites

Description: Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. To prepare for success, students need opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings. (Seagoville, Skyline)

Small Animal Management

Course: 7581 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: In Small Animal Management, students will acquire knowledge and skills related to small animals and the small animal management industry. Small Animal Management may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. (Seagoville)

Veterinary Medical Applications

Course: 7240 Grade: 9-12 Credit: 1

Prerequisites: *Equine Science, Small Animal Management, Or Livestock Production*

Description: Veterinary Medical Applications covers topics relating to veterinary practices, including practices for large and small animal species. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. (Seagoville)

Advanced Animal Science

Course: 7241 Grade: 9-12 Credit: 1

Prerequisites: *Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry; and either Small Animal Management, Equine Science, or Livestock Production, and Veterinary Medical Applications.*

Description: Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and

laboratory experiences. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. (Seagoville)

Professional Standards in Agribusiness

Course: 7242 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: Professional Standards in Agribusiness primarily focuses on leadership, communication, employer/employee relations, and problem solving as they relate to agribusiness. To prepare for careers in agribusiness systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to leadership development and the workplace, and develop knowledge and skills regarding agricultural career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. (Skyline, Seagoville)

Agribusiness Management and Marketing

Course: 7243 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: Agribusiness Management and Marketing is designed to provide a foundation to agribusiness management and the free enterprise system. Instruction includes the use of economic principles such as supply and demand, budgeting, record keeping, finance, risk management, business law, marketing, and careers in agribusiness. To prepare for careers in agribusiness systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to agribusiness marketing and management and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. (Skyline, Seagoville)

Energy and Natural Resources Technology

Course: 7575 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: Energy and Natural Resources Technology examines the interrelatedness of environmental issues and production agriculture. Students will evaluate the environmental benefits provided by sustainable resources and green technologies. Instruction is designed to allow for the application of science and technology to measure environmental impacts resulting from production agriculture through field and laboratory experiences. To prepare for careers in environmental service systems, students must attain academic skills and knowledge, acquire advanced technical knowledge and skills related to environmental service systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. (Seagoville, Skyline)

Wildlife, Fisheries, and Ecology Management

Course: 7503 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: Wildlife, Fisheries, and Ecology Management examines the management of game and nongame wildlife species, fish, and aquacrops and their ecological needs as related to current agricultural practices. To prepare for careers in natural resource systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. (Seagoville)

Floral Design

Course: 7247 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for

the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. To prepare for careers in floral design, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. (SKYLINE FLORICULTURE)

Landscape Design and Management

Course: 7248 Grade: 10-12 Credit: 0.5

Prerequisites: *None*

Description: Landscape Design and Management is designed to develop an understanding of landscape design and management techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.

Turf Grass Management

Course: 7015 Grade: 10-12 Credit: 0.5

Prerequisites: *None*

Description: Turf Grass Management is designed to develop an understanding of turf grass management techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.

Horticulture Science

Course: 7249 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: Horticultural Science is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticulture and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. (Skyline)

Agricultural Mechanics and Metal Technologies

Course: 7250 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Agriculture, Food, And Natural Resources*

Description: Agricultural Mechanics and Metal Technologies is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. (Seagoville):

Agricultural Structures Design and Fabrication

Course: 7251 Grade: 11-12 Credit: 1

Prerequisites: *Agricultural Mechanics and Metal Technologies*

Description: In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer

their academic knowledge and technical skills in a variety of settings. (Seagoville)

Agricultural Equipment Design and Fabrication

Course: 7019 Grade: 11-12 Credit: 1

Prerequisites: *Agricultural Mechanics and Metal Technologies*

Description: In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural equipment design and fabrication. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings. (Seagoville):

Agricultural Equipment Design and Fabrication/Agricultural Laboratory and Field Experience

Course: 7020 Grade: 11-12 Credit: 2

Prerequisites: *Agricultural Mechanics and Metal Technologies*

Description: In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural equipment design and fabrication. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings. Agricultural Laboratory and Field Experience is designed to provide students a laboratory and/or field experience opportunity. To prepare for careers in agriculture, food, and natural resources, students must acquire knowledge and skills that meet entry requirements and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer academic knowledge and technical skills in a variety of settings. (Seagoville):

Practicum in Agriculture, Food and Natural Resources (Floriculture)

Course: 7253 Grade: 11-12 Credit: 2

Prerequisites: *A Minimum of One Credit from The Courses in The Agriculture, Food, And Natural Resources Career Cluster*

Description: Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. (Skyline)

Practicum in Agriculture, Food and Natural Resources (Horticulture)

Course: 7254 Grade: 11-12 Credit: 2

Prerequisites: *A Minimum of One Credit from The Courses in The Agriculture, Food, And Natural Resources Career Cluster*

Description: Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. (Skyline)

Practicum in Agriculture, Food and Natural Resources (Vet Med)

Course: 7255 Grade: 11-12 Credit: 2

Prerequisites: *A Minimum of One Credit from The Courses in The Agriculture, Food, And Natural Resources Career Cluster*

Description: Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. To prepare for careers in agriculture, food, and natural resources,

students must attain academic skills and knowledge, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. (Seagoville)

Practicum in Agriculture, Food, and Natural Resources (Second Time Taken)

Course: 7256 Grade: 12 Credit: 2

Prerequisites: *Practicum in Agriculture, Food and Natural Resources*

Description: Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. (Skyline Horticulture or Floriculture)

Equine Science

Course: 7259 Grade: 10-12 Credit: 0.5

Prerequisites: *None*

Description: In Equine Science, students will acquire knowledge and skills related to equine animal systems and the equine industry. Equine Science may address topics related to horses, donkeys, and mules. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. (Seagoville)

Livestock Production

Course: 7483 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry (Seagoville, Skyline)

Mathematical Applications in Agriculture, Food and Natural Resources

Course: 7580 Grade: 10-12 Credit: 1

Prerequisites: *A Minimum of One Credit from The Courses in The Agriculture, Food, And Natural Resources Career Cluster*

Description: In Mathematical Applications in Agriculture, Food, and Natural Resources, students will apply knowledge and skills related to mathematics, including algebra, geometry, and data analysis in the context of agriculture, food, and natural resources. To prepare for careers in agriculture, food, and natural resources, students must acquire technical knowledge in the discipline as well as apply academic skills in mathematics. To prepare for success, students need opportunities to reinforce, apply, and transfer their knowledge and skills related to mathematics in a variety of contexts. (Seagoville, Skyline)

Range Ecology & Management

Course: 7591 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: Range Ecology and Management is designed to develop students' understanding of rangeland ecosystems and sustainable forage production. To prepare for careers in environmental and natural resource systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to environmental and natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. (Seagoville, Skyline).

Advanced Plant & Soil Science
Course: 7574 Grade: 11-12 Credit: 1

Prerequisites: *Biology, Integrated Physics and Chemistry, Chemistry, Or Physics and a Minimum of One Credit from the Courses in The Agriculture, Food, And Natural Resources Career Cluster*

Description: Advanced Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. (Seagoville, Skyline)

Greenhouse Operation and Production
Course: 7017 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: Greenhouse Operation and Production is designed to develop an understanding of greenhouse production techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. (Seagoville, Skyline)

Greenhouse Operation and Production/Agricultural Laboratory and Field Experience
Course: 7016 Grade: 10-12 Credit: 2

Prerequisites: *None*

Description: Greenhouse Operation and Production is designed to develop an understanding of greenhouse production techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. Agricultural Laboratory and Field Experience is designed to provide students a laboratory and/or field experience opportunity. To prepare for careers in agriculture, food, and natural resources, students must acquire knowledge and skills that meet entry requirements and industry expectations. (Seagoville, Skyline)

Extended Practicum in Agriculture, Food, and Natural Resources (First Time Taken)
Course: 7018 Grade: 11-12 Credit: 3

Prerequisites: *None*

Description: Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. (Seagoville, Skyline)

Architecture and Construction

Principles of Architecture
Course: 7023 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: Principles of Architecture provides an overview to the various fields of architecture, interior design, and construction management. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, education, and career information to set and achieve realistic career and educational goals. Job specific training can be provided through training modules that identify career goals in trade and industry areas. Classroom studies include

topics such as safety, work ethics, communication, information technology applications, systems, health, environment, leadership, teamwork, ethical and legal responsibility, employability, and career development and include skills such as problem solving, critical thinking, and reading technical drawings.

Principles of Construction
Course: 7021 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. For safety and liability considerations, limiting course enrollment to 15 students is recommended. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment.

Principles of Construction DL
Course: 5238 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: This course is instructed in Spanish for students participating in the secondary dual languatge program. Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. For safety and liability considerations, limiting course enrollment to 15 students is recommended. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment. (Career Institutes)

Interior Design I
Course: 7384 Grade: 10-12 Credit: 1

Prerequisites: *Algebra I and English I*

Recommended Prerequisite: Principles of Architecture, or Principles of Construction, or Architectural Design

Description: Interior Design is a technical course that addresses psychological, physiological, and sociological needs of individuals by enhancing the environments in which they live and work. Students develop knowledge and skills related to the design and construction of interior and exterior environments including furnishings to make wise consumer decisions, increase productivity, and possibly pursue a career in the interior design industry. (Skyline)

Interior Design II
Course: 7387 Grade: 11-12 Credit: 1

Prerequisites: *Algebra I and English I*

Recommended Prerequisite: Principles of Architecture, or Principles of Construction, or Architectural Design

Description: Interior Design II is a technical laboratory course that includes the application of the employability characteristics, principles, processes, technologies, communication, tools, equipment, and materials related to interior design to meet industry standards. (Skyline)

Practicum in Interior Design (First Time Taken)
Course: 7388 Grade: 11-12 Credit: 2

Prerequisites: *Interior Design II*

Description: Practicum in Interior Design is an occupationally specific course designed to provide job specific skills through laboratory training, job shadowing, or work situations in areas compatible with identified career goals in interior design. In addition, students will be expected to develop knowledge and skills related to housing, furnishings, and equipment construction or equipment management and services. (Skyline)

Practicum in Interior Design (Second Time Taken)
Course: 7389 Grade: 12 Credit: 2

Prerequisites: *Interior Design II*

Description: Practicum in Interior Design is an occupationally specific course designed to provide job specific skills through laboratory training, job shadowing, or work situations in areas compatible with identified career goals in interior design. In addition, students will be expected to develop knowledge and skills related to housing, furnishings, and equipment construction or equipment management and services. (Skyline)

Architectural Design I
Course: 7390 Grade: 10-12 Credit: 1

Prerequisites: *Algebra I and English I*

Recommended Prerequisite: Geometry and Principles of Architecture

Description: In Architectural Design I, students will gain knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. Architectural Design I includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for nonresidential or residential architectural purposes.

Practicum in Architectural Design
Course: 7393 Grade: 12 Credit: 2

Prerequisites: *Architectural Design II*

Description: Practicum in Architectural Design is an occupationally specific course designed to provide technical instruction in architectural design. Safety and career opportunities are included in addition to work ethics and architectural design study.

Practicum in Architectural Design (Second Time Taken)
Course: 7395 Grade: 12 Credit: 2

Prerequisites: *Practicum in Architectural Design*

Description: Practicum in Architectural Design is an occupationally specific course designed to provide technical instruction in architectural design. Safety and career opportunities are included in addition to work ethics and architectural design study. (Skyline)

Extended Practicum in Architectural Design (First Time Taken)
Course: 7028 Grade: 12 Credit: 3

Prerequisites: *Architectural Design II*

Description: Extended Practicum in Architectural Design is an occupationally specific course designed to provide technical instruction in architectural design. Safety and career opportunities are included in addition to work ethics and architectural design study.

Construction Technology I
Course: 7396 Grade: 10-12 Credit: 2

Prerequisites: *Principles of Construction*

Description: In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended. In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended.

Construction Technology II
Course: 7398 Grade: 11-12 Credit: 2

Prerequisites: *Construction Technology I*

Description: In Construction Technology II, students will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians, or supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills.

Building Maintenance Technology (CTED)
Course: 7400 Grade: 11-12 Credit: 2

Prerequisites: *None*

Description: In Building Maintenance Technology II, students continue to gain advanced knowledge and skills specific to those needed to enter the workforce as a building maintenance technician or supervisor and construction project manager or secure a foundation for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, Occupational Safety and Health Administration (OSHA) standards, and safety devices in electrical circuits, maintenance of electrical and heating, ventilation, and air conditioning (HVAC) systems, and concepts of historic preservation. (MCMC)

Electrical Technology I
Course: 7401 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Architecture or Principles of Construction*

Description: In Electrical Technology I, students will gain knowledge and skills needed to enter the workforce as an electrician or building maintenance supervisor, prepare for a postsecondary degree in a specified field of construction or construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, and the reading of electrical drawings, schematics, and specifications.

Electrical Technology II
Course: 7403 Grade: 11-12 Credit: 2

Prerequisites: *Electrical Technology I*

Description: In Electrical Technology II, students will gain advanced knowledge and skills needed to enter the workforce as an electrician, a building maintenance technician, or a supervisor; prepare for a postsecondary degree in a specified field of construction or construction management; or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, alternating current and direct current motors, conductor installation, installation of electrical services, and electric lighting installation.

Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I
Course: 7404 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Architecture or Principles of Construction, or Construction Technology I*

Description: In Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I, students will gain knowledge and skills needed to enter the industry as technicians in the HVAC and refrigeration industry or building maintenance industry, prepare for a postsecondary degree in a specified field of construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, principles of HVAC theory, use of tools, codes, and installation of HVAC and refrigeration equipment.

Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II
Course: 7405 Grade: 11-12 Credit: 1

Prerequisites: *Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I*

Description: In Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II, students will gain advanced knowledge and skills needed to enter the industry as HVAC and refrigeration technicians, building maintenance technicians, or supervisors, prepare for a postsecondary degree in a specified field of construction or construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, use 69 of tools, codes, installation of commercial HVAC equipment, heat pumps, troubleshooting techniques, various duct systems, and maintenance practices.

Plumbing Technology I
Course: 7406 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Architecture, Or Principles of Construction, Or Construction Technology I.*

Description: In Plumbing Technology I, students will gain knowledge and skills needed to enter the

industry as a plumbing apprentice, building maintenance technician, or supervisor or prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in industry workplace basics and employer/customer expectations, including how to use a plumbing code book; how to identify and use power and hand tools; how to be safe on the jobsite and when using hand and power tools; how to apply basic plumbing mathematics and plumbing drawing; and how to identify, fit, and use plastic, copper, cast iron, carbon steel, and corrugated stainless steel pipe. In addition, students will be introduced to gas, drainage, and water supply systems and continue their knowledge of workplace basics and green technologies.

Plumbing Technology II
Course: 7407 Grade: 11-12 Credit: 2

Prerequisites: *Plumbing Technology I*

Description: In Plumbing Technology II, students will gain the advanced knowledge and skills needed to enter the industry as a plumber, building maintenance technician, or supervisor or prepare for a postsecondary degree in

mechanical engineering. Students will acquire knowledge and skills in plumbing codes, industry workplace basics, and employer/customer expectations, including tool and jobsite safety, advanced plumbing mathematics, commercial drawings, basic electricity, hanger installation, supports and structural penetrations, roof drains, fixture installation, valves and faucets, and oxyfuel safety. Students will also learn about setup, cutting, brazing and welding water system sizing; gas, drain, waste and vent installation and testing; and water heater installation.

Practicum in Construction Management (First Time Taken)
Course: 7409 Grade: 11-12 Credit: 2

Prerequisites: *Construction Management II*

Description: Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-thejob training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom.

Extended Practicum in Construction Management
Course: 7027 Grade: 12 Credit: 3

Prerequisites: *Construction Management II*

Description: Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-thejob training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom. (Skyline)

Arts, Audio Visual Technology, and Communication

Principles of Arts, Audio/Video Technology, and Communications

Course: 7355 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: Careers in the Arts, Audio/Video Technology, and Communications Career Cluster require a creative aptitude, a strong background incomputer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for hose opportunities.

Animation I
Course: 7361 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: Careers in animation span all aspects of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the history and techniques of the animation industry. (BTWHSPVA, Conrad, Samuel, Bryan Adams, Molina, A. Maceo Smith New Tech)

Animation II
Course: 7362 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: Careers in animation span all aspects of motion graphics. Within this context, in addition to developing advanced knowledge and skills needed

for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to create two- and three-dimensional animations. The instruction also assists students seeking careers in the animation industry. (BTWHSPVA, Conrad, Samuell, Bryan Adams, Molina)

Animation II/Animation II Lab
Course: 7758 Grade: 10-12 Credit: 2

Prerequisites: *Animation I*

Description: Careers in animation span all aspects of motion graphics. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to create two- and three-dimensional animations. The instruction also assists students seeking careers in the animation industry.

Practicum in Animation (First Time Taken)
Course: 7072 Grade: 11-12 Credit: 2

Prerequisites: *Animation II/Animation II Lab*

Description: Careers in animation span all aspects of the arts, audio/video technology, and communications industry. Building upon the concepts taught in Animation II, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying preproduction, production, and postproduction animation products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Extended Practicum in Animation (First Time Taken)
Course: 7690 Grade: 11-12 Credit: 3

Prerequisites: *Animation II/Animation II Lab*

Description: Careers in animation span all aspects of the arts, audio/video technology, and communications industry. Building upon the concepts taught in Animation II, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry preproduction with a focus on applying, production, and postproduction animation products in a professional environment Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Audio/Video Production I/Audio/Video Production I Lab
Course: 7761 Grade: 9-12 Credit: 2

Prerequisites: *Principles of Arts,*

Audio. Video Technology, and Communications

Description: Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on preproduction, production, and postproduction audio and video products. Requiring a lab corequisite for the course affords necessary time devoted specifically to the production and postproduction process. (Lincoln, Skyline, Seagoville)

Audio/Video Production II
Course: 7364 Grade: 10-12 Credit: 1

Prerequisites: *Audio/Video Production I*

Description: Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production I, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on preproduction, production, and postproduction products. This course may be implemented in an audio format or a format with both audio and video. (Lincoln, Skyline, Seagoville)

Audio/Video Production II/Audio/Video Production II Lab
Course: 7764 Grade: 10-12 Credit: 2

Prerequisites: *Audio/Video Production I, Audio/Video Production II*

Description: Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on preproduction, production, and postproduction products. Through diverse forms of storytelling and production, students will exercise and develop creativity, intellectual curiosity, and critical thinking, problem-solving, and collaborative skills. This course may be implemented in an audio format or a format with both audio and video. Requiring a lab corequisite for the course affords necessary time devoted specifically to the production and postproduction process. (Lincoln, Skyline, Seagoville)

Practicum in Audio Video Production
Course: 7365 Grade: 11-12 Credit: 2

Prerequisites: *Audio/Video Production II/Audio/Video Production II Lab*

Description: Careers in audio/video production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production II and its corequisite Audio/Video Production II Lab, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying preproduction, production, and postproduction audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. (Lincoln, Skyline, Seagoville)

Extended Practicum in Audio/Video Production
Course: 7691 Grade: 11-12 Credit: 3

Prerequisites: *Audio/Video Production II/Audio/Video Production II Lab*

Description: Careers in audio/video production span all aspects of the audio/video communication s industry. Building upon the concepts taught in Audio/Video Production II and its corequisite Audio/Video Production II Lab, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying preproduction, production, and postproduction audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. (Lincoln, Skyline, Seagoville)

Graphic Design & Illustration I
Course: 7367 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Arts, Audio. Video Technology, and Communications*

Description: Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

Graphic Design and Illustration I/ Graphic Design and Illustration I Lab
Course: 7083 Grade: 10-12 Credit: 2

Prerequisites: *Principles of Arts, Audio. Video Technology, and Communications*

Description: Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

Graphic Design & Illustration II
Course: 7368 Grade: 10-12 Credit: 1

Prerequisites: *Graphic Design and Illustration I*

Description: Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills. (Skyline)

Graphic Design and Illustration II/ Graphic Design and Illustration II Lab
Course: 7084 Grade: 10-12 Credit: 2

Prerequisites: *Graphic Design and Illustration I*

Description: Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced

understanding of the industry with a focus on mastery of content knowledge and skills.

Practicum in Graphic Design and Illustration (First Time Taken)
Course: 7369 Grade: 10-12 Credit: 2

Prerequisites: *Graphic Design and Illustration II/ Graphic Design and Illustration II Lab*

Description: Careers in graphic design and illustration span all aspects of the advertising and visual communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. (Skyline AD Design)

Extended Practicum in Graphic Design and Illustration (First Time Taken)
Course: 7556 Grade: 10-12 Credit: 3

Prerequisites: *Graphic Design and Illustration II/ Graphic Design and Illustration II Lab*

Description: Careers in graphic design and illustration span all aspects of the advertising and visual communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Commercial Photography I
Course: 7371 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: Careers in commercial photography require skills that span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs. (Skyline)

Commercial Photography I/Commercial Photography I Lab
Course: 7772 Grade: 9-12 Credit: 2

Prerequisites: *None*

Description: Careers in commercial photography require skills that span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs. (Skyline)

Commercial Photography II
Course: 7372 Grade: 10-12 Credit: 1

Prerequisites: *Commercial Photography*

Description: Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs. (Skyline)

Commercial Photography II/Commercial Photography II Lab
Course: 7773 Grade: 10-12 Credit: 2

Prerequisites: *Commercial Photography*

Description: Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs. (Skyline)

Practicum in Commercial Photography (First Time Taken)
Course: 7770 Grade: 10-12 Credit: 2

Prerequisites: *Commercial Photography I/Commercial Photography I Lab*

Description: Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs. (Skyline)

Extended Practicum in Commercial Photography (First Time Taken)
Course: 7771 Grade: 10-12 Credit: 2

Prerequisites: *Commercial Photography I/Commercial Photography I Lab*

Description: Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs. (Skyline)

Fashion Design I
Course: 7374 Grade: 10-12 Credit: 1

Prerequisites: *Fashion Design I*

Description: Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the fashion industry with an emphasis on design and construction. (Skyline)

Fashion Design I/Fashion Design I Lab
Course: 7059 Grade: 10-12 Credit: 2

Prerequisites: *Principles of Arts, Audio/Video Technology, and Communications*

Description: Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video 68 Technology, and Communications Career Cluster, students will be expected to develop an understanding of the fashion industry with an emphasis on design and construction. (Skyline)

Fashion Design II
Course: 7375 Grade: 11-12 Credit: 1

Prerequisites: *Fashion Design I*

Description: Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the fashion industry with an emphasis on design and construction. (Skyline)

Fashion Design II/Fashion Design II Lab
Course: 7061 Grade: 11-12 Credit: 2

Prerequisites: *Fashion Design I*

Description: Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the fashion industry with an emphasis on design and construction. (Skyline

Practicum in Fashion Design (First Time Taken)
Course: 7376 Grade: 11-12 Credit: 2

Prerequisites: *Fashion Design II/Fashion Design II Lab*

Description: In this course, students study all aspects of the textile and apparel industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced

technical understanding of the business aspects of fashion, with emphasis on promotion and retailing. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. (Skyline)

Extended Practicum in Fashion Design

Course: 7063 Grade: 11-12 Credit: 3

Prerequisites: *Fashion Design II/Fashion Design II Lab*

Description: In this course, students study all aspects of the textile and apparel industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced technical understanding of the business aspects of fashion, with emphasis on promotion and retailing. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. (Skyline)

Printing and Imaging Technology, I

Course: 7377 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: The student will study printing and all aspects of the industry, including prepress, press, and finishing and bindery operations. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the printing industry with a focus on prepress and desktop publishing. (Skyline)

Printing and Imaging Technology, I/Printing and Imaging Technology I Lab

Course: 7769 Grade: 9-12 Credit: 2

Prerequisites: *None*

Description: Careers in printing span all aspects of the industry, including prepress, press, and finishing and bindery operations. In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to demonstrate an understanding of the printing industry with a focus on digital prepress and digital publishing.

Printing and Imaging Technology II

Course: 7378 Grade: 10-12 Credit: 1

Prerequisites: *Printing and Imaging Technology I*

Description: Careers in printing span all aspects of the industry, including prepress, press, and finishing and bindery operations. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the printing industry with a focus on press operations. (Skyline)

Printing and Imaging Technology II/Printing and Imaging Technology II Lab

Course: 7768 Grade: 10-12 Credit: 2

Prerequisites: *Printing and Imaging Technology II/Printing and Imaging Technology II Lab*

Description: Careers in printing span all aspects of the industry, including prepress, press, and finishing and bindery operations. In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career to demonstrate an understanding of the printing industry with a focus on digital prepress and digital publishing. (Skyline)

Practicum in Printing and Imaging Technology (First Time Taken)

Course: 7379 Grade: 10-12 Credit: 2

Prerequisites: *Printing and Imaging Technology II/Printing and Imaging Technology II Lab*

Description: Careers in printing span all aspects of the industry, including prepress, press, and finishing and bindery operations. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced technical understanding of the printing industry with a focus on finishing and bindery operations and customer-based projects. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. (Skyline)

Extended Practicum in Printing and Imaging Technology

Course: 7765 Grade: 10-12 Credit: 3

Prerequisites: *Printing and Imaging Technology II/Printing and Imaging Technology II Lab*

Description: Careers in printing span all aspects of the industry, including prepress, press, and finishing and bindery operations. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced technical understanding of the printing industry with a focus on finishing and bindery operations and customer-based projects. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. (Skyline)

Digital Audio Technology II

Course: 7751 Grade: 10-12 Credit: 1

Prerequisites: *Digital Audio Technology I*

Description: Digital Audio Technology II was designed to provide additional opportunities and skill sets for students interested in audio production careers such as audio for radio and television broadcasting, audio for video and film, audio for animation and game design, and music production and live sound. Digital Audio Technology II does not replace Audio Video Production courses but is recommended as a single credit, cocurricular course with an audio production technical emphasis. This course can also be paired with Digital and Interactive Media (DIM). Students will be expected to develop an understanding of the audio industry with a technical emphasis on production and critical listening skills.

Digital Audio Technology I

Course: 7752 Grade: 9-12 Credit: 1

Prerequisites: *Principles of Arts, Audio/Video Technology, and Communications*

Description: Digital Audio Technology I was designed to provide students interested in audio production careers such as audio for radio and television broadcasting, audio for video and film, audio for animation and game design, music production and live sound, and additional opportunities and skill sets. Digital Audio Technology I does not replace Audio Video Production courses but is recommended as a single credit, cocurricular course with an audio production technical emphasis. This course can also be paired with Digital and Interactive Media. Students will be expected to develop an understanding of the audio industry with a technical emphasis on production and critical listening skills.

Video Game Design

Course: 7071 Grade: 9-12 Credit: 1

Prerequisites: *Principles of Arts, Audio/Video Technology, and Communications*

Description: Video Game Design will allow students to explore one of the largest industries in the global marketplace and the new emerging careers it provides in the field of technology. Students will learn gaming, computerized gaming, evolution of gaming, artistic aspects of perspective, design, animation, technical concepts of collision theory, and programming logic. Students will participate in a simulation of a real video game design team while developing technical proficiency in constructing an original game design.

Video Game Programming

Course: 6176 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: Video Game Programming expands on the foundation created in Video Game Design through programming languages such as: C# programming, XNA game studio, Java, and Android App. In this course, students will investigate the inner workings of a fully functional role-playing game (RPG) by customizing playable characters, items, maps, and chests and eventually applying customizations by altering and enhancing the core game code.

Advanced Video Game Programming

Course: 6164 Grade: 10-12 Credit: 1

Prerequisites: *Video Game Programming*

Description: Advanced Video Game Programming students will be introduced to mobile application design and programming using Java and Eclipse for Android devices. Time will be spent learning basic Java programming and working with Android Studio to develop real working apps. Using Unity as an introduction to 3D game development, students will have exposure to and an understanding of: object-oriented programming concepts; game development skill with programs such as Unity; 3D modeling with programs such as Blender; image manipulation with programs such

as GIMP; concepts related to the esign process; and the ability to communicate and collaborate on group-based projects.

Digital Art and Animation
Course: 5142 Grade: 9-12 Credit: 1

Prerequisites: *Technology Applications and RECOMMENDED: Art, Level I*

Description: Students in this course will produce various real-world projects and animations. Projects relate to careers such as graphic design, advertising, web design, animation, corporate communications, illustration, character development, script writing, storyboarding, directing, producing, inking, project management, editing, and the magazine, television, film, and game industries.

Dual Credit- Digital Art & Animation 1
Course: 5161 Grade: 11-12 Credit: 0.5

Prerequisites: *Technology Applications and RECOMMENDED: Art Level I and either ARTV 1302 or instructor approval*

Description: This is a dual-credit course that is articulated to DCCCD course ARTV 1345 - 3D Modeling and Rendering I. Digital Art and Animation consists of computer images and animations created with digital imaging software. Digital Art and Animation has applications in many careers. Students in this course will produce various real-world projects and animations. This course is recommended for students in grades 11-12. (Fall Term)

Dual Credit- Digital Art & Animation 2
Course: 5163 Grade: 11-12 Credit: 0.5

Prerequisites: *Technology Applications and RECOMMENDED: Art Level I and either ARTV 1302 or instructor approval*

Description: This is a dual-credit course that is articulated to DCCCD course ARTV 1345 - 3D Modeling and Rendering I. Digital Art and Animation consists of computer images and animations created with digital imaging software. Digital Art and Animation has applications in many careers. Students in this course will produce various real-world projects and animations. This course is recommended for students in grades 11-12. (Spring Term)

Digital Communications in the 21st Century
Course: 5140 Grade: 9-12 Credit: 1

Prerequisites: *Technology Applications or equivalent knowledge and skills*

Description: Students prepare for the societal demands of increased civic literacy, independent working environments, global awareness, and the mastery of a base set of analysis and communication skills. Students will be expected to design and present an effective product, based upon well-researched issues, in order to thoughtfully propose suggested solutions to authoritative stakeholders. This “process and product” approach provides students with an authentic platform to demonstrate effective application of multimedia tools within the contexts of global communication and collaborative communities.

Digital Design and Media Production
Course: 4059 Grade: 9-12 Credit: 1

Prerequisites: *Technology Applications or Teacher Recommendation*

Description: Digital Design and Media Production will allow students to demonstrate creative thinking, develop innovative strategies, and use communication tools in order to work effectively with others as well as independently. Students develop desktop publishing, digital photography and multimedia skills through the creation and editing of print media, digital photographs and digital video. This course is recommended for students in grades 1012.

Game Programming & Design
Course: 5052 Grade: 9-12 Credit: 1

Prerequisites: *Algebra 1*

Description: In this computer science course, students design, implement and present meaningful programs through a variety of media. Students identify task requirements, plan search strategies and use programming concepts to access, analyze, and evaluate information needed to design games. This course is recommended for students in grades 10-12.

Dual Credit- Game Programming & Design Sem 1
Course: 5184 Grade: 9-12 Credit: 0.5

Prerequisites: *Algebra 1*

Description: In this computer science course, students design, implement and present meaningful programs through a variety of media. Students identify task requirements, plan search strategies and use programming concepts to access, analyze, and evaluate information needed to design games. This course is recommended for students in grades 10-12. (Fall Term)

Dual Credit- Game Programming & Design Sem 2
Course: 5185 Grade: 9-12 Credit: 0.5

Prerequisites: *Algebra 1*

Description: In this computer science course, students design, implement and present meaningful programs through a variety of media. Students identify task requirements, plan search strategies and use programming concepts to access, analyze, and evaluate information needed to design games. This course is recommended for students in grades 10-12. (Spring Term)

Business, Marketing, and Financing

Principles of Business, Marketing, and Finance
Course: 7151 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance.

Touch System Data Entry
Course: 7961 Grade: 9-10 Credit: 0.5

Prerequisites: *None*

Description: In Touch System Data Entry, students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry for production of business documents.

Business Information Management I
Course: 7154 Grade: 44086 Credit: 1

Prerequisites: *Touch System Data Entry*

Description: In Business Information Management I, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

Business Information Management II
Course: 7155 Grade: 9-12 Credit: 1

Prerequisites: *Business Information Management I*

Description: In Business Information Management II, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software.

Business English
Course: 7156 Grade: 12 Credit: 1

Prerequisites: *English III*

Description: In Business English, students enhance communication and research skills by applying them to the business environment, in addition to exchanging information and producing properly formatted business documents using emerging technology.

Business Law
Course: 7157 Grade: 11-12 Credit: 1

Prerequisites: *None*

Description: Business Law is designed for students to analyze various aspects of the legal environment, including ethics, the judicial system, contracts, personal property, sales, negotiable instruments, agency and employment, business organization, risk management, and real property.

Global Business
Course: 7158 Grade: 10-12 Credit: 0.5

Prerequisites: *None*

Description: Global Business is designed for students to analyze global trade theories, international monetary systems, trade policies, politics, and laws relating to global business as well as cultural issues, ogistics, and international human resource management.

Human Resources Management
Course: 7159 Grade: 10-12 Credit: 0.5

Prerequisites: *None*

Description: Human Resources Management is designed to familiarize students with the concepts related to human resource management, including legal requirements, recruitment and employee selection methods, and employee development and evaluation. Students will also become familiar with compensation and benefits programs as well as workplace safety, employee management relations, and global impacts on human resources.

Virtual Business
Course: 7160 Grade: 10-12 Credit: 0.5

Prerequisites: *Touch System Data Entry*

Description: Virtual Business is designed for students to start a virtual business by creating a web presence, conducting online and offline marketing, examining contracts appropriate for an online business, and demonstrating project management skills. Students will also demonstrate bookkeeping skills for a virtual business, maintain business records, and understand legal issues associated with a virtual business.

Business Management
Course: 7161 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: Business Management is designed to familiarize students with the concepts related to business management as well as the functions of management, including planning, organizing, staffing, leading, and controlling. Students will also demonstrate interpersonal and project management skills.

Practicum in Business Management (First Time Taken)
Course: 7163 Grade: 11-12 Credit: 2

Prerequisites: *Touch System Data Entry and Business Management or Business Information Management II*

Description: Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

Practicum in Business Management (Second Time Taken)
Course: 7499 Grade: 11-12 Credit: 2

Prerequisites: *Touch System Data Entry and Business Management or Business Information Management II*

Description: Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students

incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

Extended Practicum in Business Management (First Time Taken)
Course: 7774 Grade: 11-12 Credit: 3

Prerequisites: *Touch System Data Entry and Business Management or Business Information Management II*

Description: Extended Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

Advertising
Course: 7166 Grade: 9-12 Credit: 0.5

Prerequisites: *Principles of Business, Marketing, And Finance*

Description: Advertising is designed to introduce the student to principles and practices of advertising and sales. Students gain knowledge of techniques used in advertising including print, broadcast, and digital media. This course explores the social, ethical, and legal issues of advertising, historical influences, strategies, and media decision processes as well as integrated marketing communications. This course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.

Fashion Marketing
Course: 7167 Grade: 9-12 Credit: 0.5

Prerequisites: *Principles of Business, Marketing, And Finance*

Description: Fashion Marketing is designed to provide students with knowledge of the various business functions in the fashion industry. Students in Fashion Marketing will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising, and career opportunities.

Entrepreneurship
Course: 7168 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Business, Marketing, And Finance*

Description: In Entrepreneurship, students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students will understand the capital required, the return on investment desired, and the potential for profit.

Sports and Entertainment Marketing
Course: 7171 Grade: 9-12 Credit: 0.5

Prerequisites: *Principles of Business, Marketing, And Finance*

Description: Sports and Entertainment Marketing will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and entertainment. The areas this course will cover include basic marketing concepts, publicity, sponsorship, endorsements, licensing, branding, event marketing, promotions, and sports and entertainment marketing strategies.

Social Media Marketing
Course: 7846 Grade: 9-12 Credit: 0.5

Prerequisites: *Principles of Business, Marketing, And Finance*

Description: Social Media Marketing is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Students will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.

Advanced Marketing
Course: 7172 Grade: 11-12 Credit: 2

Prerequisites: *One Credit from The Courses in the Marketing Career Cluster*

Description: In Advanced Marketing, students will gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to solve problems related to marketing. This course covers technology, communication, and customer service skills.

Practicum in Marketing (First Time Taken)
Course: 7173 Grade: 11-12 Credit: 2

Prerequisites: *Principles of Business, Marketing, And Finance*

Description: Practicum in Marketing is a series of dynamic activities that focus on the customer to generate a profitable exchange. Students will gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students will integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical courses in marketing.

Practicum in Marketing (Second Time Taken)
Course: 7174 Grade: 11-12 Credit: 2

Prerequisites: *Principles of Business, Marketing, And Finance*

Description: Practicum in Marketing is a series of dynamic activities that focus on the customer to generate a profitable exchange. Students will gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students will integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical courses in marketing.

Extended Practicum in Marketing (First Time Taken)
Course: 7845 Grade: 11-12 Credit: 3

Prerequisites: *Principles of Business, Marketing, And Finance*

Description: Extended Practicum in Marketing is a series of dynamic activities that focus on the customer to generate a profitable exchange. Students will gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students will integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions.

Extended Practicum in Marketing (Second Time Taken)
Course: 7960 Grade: 11-12 Credit: 3

Prerequisites: *Principles of Business, Marketing, And Finance*

Description: Extended Practicum in Marketing is a series of dynamic activities that focus on the customer to generate a profitable exchange. Students will gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students will integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions.

Money Matters
Course: 7416 Grade: 9-12 Credit: 1

Prerequisites: *Principles of Business, Marketing, and Finance*

Description: In Money Matters, students will investigate money management from a personal financial perspective. Students will apply critical thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to establish short term and long-term financial goals. Students will examine various methods of achieving short-term and long-term financial goals through various methods such as investing, tax planning, asset allocation, risk management, retirement planning, and estate planning.

Banking and Financial Services
Course: 7417 Grade: 9-12 Credit: 0.5

Prerequisites: *Principles of Business, Marketing, and Finance*

Description: In Banking and Financial Services, students will develop knowledge and skills in the economic, financial, technological, international, social, and ethical aspects of banking to become competent employees and entrepreneurs. Students will incorporate a broad base of knowledge that includes the operations, sales, and management of banking institutions to gain a complete understanding of how banks function within society.

Securities and Investments
Course: 7418 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Business, Marketing, and Finance*

Description: In Securities and Investments, students will understand the laws and regulations to manage business operations and transactions in the securities industry.

Insurance Operations
Course: 7419 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Business, Marketing, and Finance*

Description: In Insurance Operations, students will understand the laws and regulations in order to manage business operations and transactions in the insurance industry. In this course students will be introduced to the vast elements of the insurance industry as well as learning how to employ underwriting techniques and strategies to gather, access, and evaluate risk, determine needs and use the decision-making process to respond to client needs. Students apply insurance concepts through a variety of real-life scenarios.

Accounting I
Course: 7420 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Business, Marketing, and Finance*

Description: In Accounting I, students will investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students will reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students will formulate and interpret financial information for use in management decision making.

Accounting II
Course: 7421 Grade: 11-12 Credit: 1

Prerequisites: *Accounting I*

Description: In Accounting II, students will continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students will reflect on this knowledge as they engage in various managerial, financial, and operational accounting activities. Students will formulate, interpret, and communicate financial information for use in management decision making. Students will use equations, graphical representations, accounting tools, spreadsheet software, and accounting systems in real-world situations to maintain, monitor, control, and plan the use of financial resources.

Financial Analysis
Course: 7422 Grade: 11-12 Credit: 1

Prerequisites: *Accounting I*

Description: In Financial Analysis, students will apply knowledge and technical skills in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students will develop analytical skills by actively evaluating financial results of multiple businesses, interpreting results for stakeholders, and presenting strategic recommendations for performance improvement.

Statistics and Business Decision Making
Course: 7423 Grade: 11-12 Credit: 1

Prerequisites: *Algebra II*

Description: Statistics and Business Decision Making is an introduction to statistics and the application of statistics to business decision making. Students will use statistics to make business decisions.

Financial Mathematics
Course: 7944 Grade: 10-12 Credit: 1

Prerequisites: *Algebra II*

Description: Financial Mathematics is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors.

Mobile Application Development
Course: 5049 Grade: 9-12 Credit: 1

Prerequisites: *Algebra 1 and either Technology Applications or Teacher Recommendation*

Description: Students will express creativity and innovation through the design, implementation, and delivery of meaningful projects using mobile computing devices. Students will collaborate with one another, their instructor, and various electronic communities to solve problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use software development concepts to access, analyze, and evaluate information needed to program mobile devices. By using software design knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of mobile application development through the study of development platforms, programming languages, and software design standards.

Career Preparation II
Course: 7230 Grade: 12 Credit: 2

Prerequisites: *Career Preparation I*

Description: Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success. Students must work an average of 10 hours per week to receive credit in this course.

Career Preparation A
Course: 7232 Grade: 12 Credit: 2

Prerequisites: *Career Preparation I*

Description: Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success. Students must work an average of 10 hours per week to receive credit in this course.

Career Preparation B
Course: 7233 Grade: 12 Credit: 2

Prerequisites: *Career Preparation I*

Description: Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success. Students must work an average of 10 hours per week to receive credit in this course.

Career Preparation C
Course: 7234 Grade: 12 Credit: 2

Prerequisites: *Career Preparation I*

Description: Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success. Students must work an average of 10 hours per week to receive credit in this course.

Career Preparation D
Course: 7235 Grade: 12 Credit: 2

Prerequisites: *Career Preparation I*

Description: Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success. Students must work an average of 10 hours per week to receive credit in this course.

Education and Training

Principles of Education and Training
Course: 7412 Grade: 9-10 Credit: 1

Prerequisites: *None*

Description: Principles of Education and Training is designed to introduce learners to the various careers available within the Education and Training Career Cluster. Students use self-knowledge as well as educational and career information to analyze various careers within the Education and Training Career Cluster.

Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

Human Growth and Development
Course: 7413 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Education and Training*

Description: Human Growth and Development is an examination of human development across the lifespan with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one semester introductory course in developmental psychology or human development.

Instructional Practices
Course: 7414 Grade: 11-12 Credit: 2

Prerequisites: *Principles of Education and Training and Human Growth and Development*

Description: Instructional Practices is a field based (practicum) internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles with elementary, middle school, and high school aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

Practicum in Education and Training (First Time Taken)
Course: 7415 Grade: 11-12 Credit: 2

Prerequisites: *Principles of Education and Training and Human Growth and Development*

Description: Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary, middle school, and high school aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel.

Health Sciences

Principles of Health Science
Course: 7426 Grade: 9-10 Credit: 1

Prerequisites: *None*

Description: The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry. (Conrad, HSHP, Roosevelt, W.T. White)

Medical Terminology
Course: 7427 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology. (Conrad, HSHP, Roosevelt, W.T. White)

Health Science Theory
Course: 7429 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Health Science and Biology*

Description: The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development. (Conrad, HSHP, Roosevelt, W.T. White)

Practicum in Health Science (First Time Taken)
Course: 7435 Grade: 11-12 Credit: 2

Prerequisites: *Principles of Health Science, Health Science Theory, and Biology*

Description: This course is designed to provide for the development of multi-occupational knowledge and skills related to a wide variety of health on experiences for continued knowledge and skill development. (Conrad, HSHP, Roosevelt, W.T. White)

Anatomy and Physiology
Course: 7455 Grade: 10-12 Credit: 1

Prerequisites: *Biology and A Second Science Credit*

Description: The Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. This course must include at least 40% laboratory investigation and fieldwork using appropriate scientific inquiry and counts as a science credit.

Medical Microbiology
Course: 7670 Grade: 11-12 Credit: 1

Prerequisites: *Biology and Chemistry, Recommended a Course from The Health Science Career Cluster*

Description: The Medical Microbiology course is designed to explore the microbial world, studying topics such as pathogenic and nonpathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases.

Pathophysiology
Course: 7456 Grade: 11-12 Credit: 1

Prerequisites: *Biology and Chemistry Recommended, a Course from The Health Science Career Cluster*

Description: The Pathophysiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology will study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. The course must include at least 40% laboratory investigation and fieldwork using appropriate scientific inquiry and counts as a science credit.

World Health Research
Course: 7672 Grade: 11-12 Credit: 1

Prerequisites: *Biology and Chemistry, Recommended a Course from The Health Science Career Cluster*

Description: The World Health Research course is designed to examine major world health problems and emerging technologies as solutions to these medical concerns. It is designed to improve students' understanding of the cultural, infrastructural, political, educational, and technological constraints and inspire ideas for appropriate technological solutions to global medical care issues. (Conrad, HSHP, Roosevelt, W.T. White)

Pharmacology
Course: 7793 Grade: 11-12 Credit: 1

Prerequisites: *Biology and Chemistry, Recommended a Course from The Health Science Career Cluster*

Description: The Pharmacology course is designed to study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is an everchanging, growing body of information that continually demands greater amounts of time and education from health care workers. (Conrad, HSHP, Roosevelt, W.T. White)

Health Informatics
Course: 7795 Grade: 11-12 Credit: 1

Prerequisites: *Business Management I and Medical Terminology*

Description: The Health Informatics course is designed to provide knowledge of one of the fastest growing areas in both academic and professional fields. The large gap between state of the art computer technologies and the state of affairs in health care information technology has generated demand for information and health professionals who can effectively design, develop, and use technologies such as electronic medical records, patient monitoring systems, and digital libraries, while managing the vast amount of data generated by these systems. (Conrad, HSHP, Roosevelt, W.T. White)

Mathematics Medical Professionals
Course: 6171 Grade: 11-12 Credit: 1

Prerequisites: *Algebra I and Geometry The Mathematics for Medical*

Description: Professionals course is designed to serve as the driving force behind the Texas essential knowledge and skills for mathematics, guided by the college and career readiness standards. By embedding statistics, probability, and finance, while focusing on fluency and solid understanding in medical mathematics, students will extend and apply mathematical skills necessary for health science professions. Course content consists primarily of high school level mathematics concepts and their applications to health science professions. (Conrad, HSHP, Roosevelt, W.T. White)

PLTW- Principles of Biomedical Science
Course: 7716 Grade: 9 Credit: 1

Prerequisites: *None*

Description: The Principles of Biomedical Science (PBS)-PLTW course provides an introduction to biomedical science through hands-on projects and problems. Students investigate concepts of biology and medicine as they explore health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They will determine the factors that led to the death of a fictional woman as they sequentially piece together evidence found in her medical history and her autopsy report. Students will investigate lifestyle choices and medical treatments that might have prolonged the woman's life and demonstrate how the development of disease is related to changes in human body systems. (Adamson, Bryan Adams, Skyline, Sunset)

PLTW- Human Body Systems
Course: 7717 Grade: 10 Credit: 1

Prerequisites: *None*

Description: Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real world medical cases. (Adamson, Bryan Adams, Skyline, Sunset)

PLTW- Medical Interventions
Course: 7714 Grade: 11 Credit: 1

Prerequisites: *None*

Description: Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. (Adamson, Bryan Adams, Skyline, Sunset)

PLTW-NBiomedical Innovation
Course: 7715 Grade: 12 Credit: 1

Prerequisites: *None*

Description: Students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent design project with a mentor or advisor from a university, medical facility, or research institution. (Adamson, Bryan Adams, Skyline, Sunset)

Speech and Language Development
Course: 7577 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: This course is designed to provide understanding of typical development of advanced knowledge and skills related to speech and language acquisition and growth of typically developing children. Students explore the basic human communication processes, including the biological, neurological, psychological, developmental and cultural bases of human communication expressed both nonverbally and verbally through speech production. (Townview)

Speech Communication Disorders
Course: 7573 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: This course is designed to provide an overview of communication disorders in preschool and school age children and adults in the areas of speech

sound production, fluency of speech (stuttering), voice, and language. Students will explore etiology, identification and treatment of these communication disorders. (Townview)

Introduction to Speech Language Pathology and Audiology

Course: 7583 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: This course is designed to provide an overview of the professions that specialize in communication disorders, speech language pathology, audiology, and hearing. Students demonstrate understanding of the nature of communication disorders and differences, including their etiologies, characteristics, anatomical/physical, acoustic, psychological, developmental, and cultural and linguistic parameters. (Townview)

Principles of Human Services

Course: 7291 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: Principles of Human Services is a laboratory course that will enable students to investigate careers in the Human Services Career Cluster, including counseling and mental health, early childhood development, family and community, personal care, and consumer services. Each student is expected to complete the knowledge and skills essential for success in high skill, high wage, or high demand human services careers.

Dollars and Sense

Course: 5143 Grade: 11-12 Credit: 0.5

Prerequisites: *Principles of Human Services*

Description: This course focuses on consumer practices and responsibilities, the money management process, decision making skills, impact of technology, and preparation for human services careers.

Interpersonal Studies

Course: 7292 Grade: 9-12 Credit: 0.5

Prerequisites: *Principles of Human Services or Principles of Education and Training*

Description: Interpersonal Studies examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services.

Lifetime Nutrition and Wellness

Course: 7294 Grade: 9-12 Credit: 0.5

Prerequisites: *Principles of Human Services or Principles of Hospitality and Tourism, or Principles of Health Science*

Description: Lifetime Nutrition and Wellness is a laboratory course that allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences.

Counseling and Mental Health

Course: 7295 Grade: 11-12 Credit: 1

Prerequisites: *Principles of Human Services*

Description: In Counseling and Mental Health, students model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of ethical and legal responsibilities, limitations, and the implications of their actions. Professional integrity in counseling and mental health care is dependent on acceptance of ethical and legal responsibilities.

Child Development

Course: 7296 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Human Services*

Description: Child Development is a technical laboratory course that addresses knowledge and skills related to child growth and development from prenatal through school age children, equipping students with child development skills. Students use these skills to promote the wellbeing and healthy development of children and investigate careers related to the care and education of children.

Child Guidance
Course: 7297 Grade: 11-12 Credit: 2

Prerequisites: *Principles of Human Services*

Description: Child Guidance is a technical laboratory course that addresses the knowledge and skills related to child growth and guidance equipping students to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the wellbeing and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with special needs. Instruction may be delivered through school-based laboratory training or through work-based delivery arrangements such as cooperative education, mentoring, and job shadowing. (Adamson, Carter, Seagoville, Skyline, Townview, South Oak Cliff, W.T. White)

Family and Community Services
Course: 7299 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Human Services*

Description: Family and Community Services is a laboratory-based course designed to involve students in realistic and meaningful communitybased activities through direct service or servicelearning experiences. Students are provided opportunities to interact with and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics. (Townview)

Practicum in Human Services (First Time Taken)
Course: 7301 Grade: 11-12 Credit: 2

Prerequisites: *Principles of Human Services*

Description: Practicum in Human Services provides background knowledge and occupation specific training that focuses on the development of consumer services, early childhood development and services, counseling and mental health services, and family and community services careers. Content for Practicum in Human Services is designed to meet the occupational preparation needs and interests of students and should be based upon the knowledge and skills selected from two or more courses in a coherent sequence in the human services cluster. (Adamson, Seagoville, Skyline, Townview)

Practicum in Human Services (Second Time Taken)
Course: 7484 Grade: 12 Credit: 2

Prerequisites: *Principles of Human Services*

Description: Practicum in Human Services provides background knowledge and occupation specific training that focuses on the development of consumer services, early childhood development and services, counseling and mental health services, and family and community services careers. Content for Practicum in Human Services is designed to meet the occupational preparation needs and interests of students and should be based upon the knowledge and skills selected from two or more courses in a coherent sequence in the human services cluster. (Adamson, Seagoville, Skyline, Townview)

Introduction to Cosmetology
Course: 7303 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: In Introduction to Cosmetology, students explore careers in the cosmetology industry. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. Students may begin to earn hours toward state licensing requirements. (Skyline

Cosmetology I & Lab
Course: 7962 Grade: 10-11 Credit: 3

Prerequisites: *Introduction to Cosmetology*

Description: In Cosmetology I, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation (TDLR) requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included. (Skyline)

Cosmetology II & Lab
Course: 7963 Grade: 12 Credit: 3

Prerequisites: *Cosmetology I*

Description: In Cosmetology II, students will demonstrate proficiency in academic, technical, and practical knowledge and skills. The content is designed to provide the occupational skills required for licensure. Instruction includes advanced training in professional standards/employability skills; Texas Department of Licensing and Regulation (TDLR) rules and regulations; use of tools, equipment, technologies and materials; and practical skills. (Skyline)

Professional Communications
Course: 7380 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

Hospitality and Tourism

Principles of Hospitality and Tourism
Course: 7270 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: Principles of Hospitality and Tourism introduces students to an industry that encompasses lodging, travel and tourism, recreation, amusements, attractions, and food/beverage operations. Students learn knowledge and skills focusing on communication, time management, and customer service that meet industry standards. Students will explore the history of the hospitality and tourism industry and examine characteristics needed for success in that industry.

Hotel Management
Course: 7271 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Hospitality and Tourism*

Description: Hotel Management focuses on the knowledge and skills needed to pursue staff and management positions available in the hotel industry. This in-depth study of the lodging industry includes departments within a hotel such as front desk, food and beverage, housekeeping, maintenance, human resources, and accounting. This course will focus on, but not be limited to, professional communication, leadership, management, human resources, technology, and accounting. (Bryan Adams, Conrad, Thomas Jefferson, Kimball, Woodrow Wilson, Skyline, Wilmer Hutchins)

Introduction to Culinary Arts
Course: 7803 Grade: 9-12 Credit: 1

Prerequisites: *Principles of Hospitality and Tourism*

Description: Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into food production skills, various levels of industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the foodservice industry. This course is offered as a classroom and laboratorybased course.

Travel and Tourism Management
Course: 7273 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Hospitality and Tourism*

Description: Travel and Tourism Management incorporates management principles and procedures of the travel and tourism industry as well as destination geography, airlines, international travel, cruising, travel by rail, lodging, recreation, amusements, attractions, and resorts. Employment qualifications and opportunities are also included in this course. (Conrad, Thomas Jefferson, Kimball, Woodrow Wilson, Skyline, Wilmer Hutchins)

Culinary Arts
Course: 7276 Grade: 10-12 Credit: 2

Prerequisites: *Principles of Hospitality & Tourism and Introduction to Culinary Arts*

Description: Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national

sanitation certification or other appropriate industry certifications. This course is offered as a laboratory-based course. (Bryan Adams, Conrad, Molina, Thomas Jefferson, Skyline, Wilmer Hutchins, Kimball, Lincoln, Roosevelt)

Advanced Culinary Arts
Course: 7689 Grade: 10-12 Credit: 2

Prerequisites: *Culinary Arts*

Description: Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by infusing high-level, industry driven content to prepare students for success in higher education, certifications and/or immediate employment.

Practicum in Culinary Arts (First Time Taken)
Course: 7278 Grade: 11-12 Credit: 2

Prerequisites: *Culinary Arts*

Description: Practicum in Culinary Arts is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fastchanging workplace. (Bryan Adams, Conrad, Molina, Skyline, Thomas Jefferson)

Extended Practicum in Culinary Arts (First Time Taken)
Course: 7802 Grade: 11-12 Credit: 3

Prerequisites: *Culinary Arts*

Description: Extended Practicum in Culinary Arts is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fastchanging workplace. (Bryan Adams, Conrad, Molina, Skyline, Thomas Jefferson)

Practicum in Culinary Arts (Second Time Taken)
Course: 7281 Grade: 12 Credit: 2

Prerequisites: *Culinary Arts*

Description: Practicum in Culinary Arts is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fastchanging workplace. (Bryan Adams, Conrad, Molina, Skyline, Thomas Jefferson)

Hospitality Services
Course: 7284 Grade: 11-12 Credit: 2

Prerequisites: *Principles of Hospitality and Tourism and Travel and Tourism Management*

Description: Hospitality Services provides students with the academic and technical preparation to pursue high demand and high skill careers in hospitality related industries. The knowledge and skills are acquired within a sequential, standardsbased program that integrates hands-on and projectbased instruction. Standards included in the Hospitality Services course are designed to prepare students for nationally recognized industry certifications, postsecondary education, and entry level careers. In addition, Hospitality Services is designed so that performance standards meet employer expectations, enhancing the employability of students. Instruction may be delivered through laboratory training or through internships, mentoring, or job shadowing. (Conrad, Thomas Jefferson, Kimball, Woodrow Wilson, Skyline, Wilmer Hutchins)

Practicum in Hospitality Services
Course: 7286 Grade: 11-12 Credit: 2

Prerequisites: *Hospitality Services*

Description: Practicum in Hospitality Services is a unique practicum experience that provides opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Extended Practicum in Hospitality Services integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among

schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace. (Conrad, Thomas Jefferson, Kimball, Woodrow Wilson, Skyline, Townview, Wilmer Hutchins)

Practicum in Hospitality Services (Second Time Taken)
Course: 7288 Grade: 12 Credit: 2

Prerequisites: *Hospitality Services*

Description: Practicum in Hospitality Services is a unique practicum experience that provides opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Extended Practicum in Hospitality Services integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace. (Conrad, Thomas Jefferson, Kimball, Woodrow Wilson, Skyline, Townview, Wilmer Hutchins)

Food Science
Course: 7289 Grade: 11-12 Credit: 1

Prerequisites: *Three Units of Science, including Chemistry and Biology, Recommended Principles of Hospitality and Tourism*

Description: In Food Science students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public.

Information Technology

Principles of Information Technololgy
Course: 7309 Grade: 9-10 Credit: 1

Prerequisites: *None*

Description: In Principles of Information Technology, students will develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students will enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment.

Computer Maintenance
Course: 7477 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Information Technology*

Description: In Computer Maintenance, students will acquire knowledge of computer maintenance and creating appropriate documentation. Students will analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as related to computer maintenance. Students will apply technical skills to address the IT industry and emerging technologies.

Computer Maintenance/Computer Maintenance Lab
Course: 7809 Grade: 10-12 Credit: 2

Prerequisites: *Principles of Information Technology*

Description: In Computer Maintenance Lab, students will acquire knowledge of computer maintenance and creating appropriate documentation. Students will analyze the social responsibility of business and industry regarding the significant issues relating the environment, ethics, health, safety, and diversity in society and in the workplace as related to computer maintenance. Students will apply technical skills to address the IT industry and emerging technologies.

Networking
Course: 7311 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Information Technology and Computer Maintenance or Computer Maintenance Lab*

Description: In Networking, students will develop knowledge of the concepts and skills related to data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

Networking/Networking Lab
Course: 7811 Grade: 10-12 Credit: 2

Prerequisites: *Principles of Information Technology and Computer Maintenance or Computer Maintenance Lab*

Description: In Networking, students will develop knowledge of the concepts and skills related to data networking technologies and practices in order to apply

them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

Computer Technician Practicum (First Time Taken)
Course: 7312 Grade: 10-12 Credit: 2

Prerequisites: *Principles of Information Technology and Computer Maintenance or Computer Maintenance Lab and Networking or Networking Lab*

Description: In the Computer Technician Practicum, students will gain knowledge and skills in the area of computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of and skills to a variety of settings and problems. Proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an instructor, with an industry mentor, or both.

Extended Computer Technician Practicum (First Time Taken)
Course: 7810 Grade: 10-12 Credit: 3

Prerequisites: *Principles of Information Technology and Computer Maintenance or Computer Maintenance Lab and Networking or Networking Lab*

Description: In the Extended Computer Technician Practicum, students will gain knowledge and skills in the area of computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce, apply, and transfer the knowledge and skills to a variety of settings and problems. Proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an instructor, with an industry mentor, or both.

Digital Media
Course: 7315 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: In Digital Media, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology driven society. Students will enhance reading, writing, computing, communication, and critical thinking and apply them to the IT environment.

Practicum in Information Technology (First Time Taken)
Course: 7317 Grade: 12 Credit: 2

Prerequisites: *A Minimum of Two High School Information Technology Courses*

Description: In the Practicum in Information Technology, students will gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid or paid internship, as part of a capstone project, or as career preparation. (Conrad, Madison, North Dallas, Samuell, South Oak Cliff, Spruce, Sunset, Woodrow Wilson)

Practicum in Information Technology (Second Time Taken)
Course: 7318 Grade: 12 Credit: 2

Prerequisites: *A Minimum of Two High School Information Technology Courses*

Description: In the Practicum in Information Technology, students will gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology driven society. Critical thinking, IT

experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid or paid internship, as part of a capstone project, or as career preparation. (Conrad, Madison, North Dallas, Samuell, South Oak Cliff, Spruce, Sunset, Woodrow Wilson)

Internet Technology I

Course: 7321 Grade: 10-12 Credit: 1

Prerequisites: *Technical Reading Skills, Computer Proficiency, Prior Courses in Electronics and/or Computer Science, Instructor Approval*

Description: This is a technical course primarily designed for students within the Cisco Networking Academy® who are looking for career-oriented IT skills instruction or a quick path to job entry and career exploration. These courses comprise the first year of a two-year preparatory program in which students will follow a rigorous course of instruction. This education to equip students with knowledge and skills that can be applied toward entry-level careers in IT networking CCENT™ certification and CCNA certification. (CCNA Discovery courses; Networking for Home and Small Business and Working at a Small to Medium Business or ISP). Schools that offer this course must be an official Local Cisco Networking Academy (CNA). (Smith, South Oak Cliff, Townview Business, White)

Internet Technology II

Course: 7322 Grade: 11-12 Credit: 1

Prerequisites: *Internetworking Technology I*

Description: The second-year course for the Cisco Networking Academies is a technical course primarily designed for students within the Cisco Networking Academy® who are looking for career oriented, IT skills instruction or a quick path to job entry and career exploration. These courses comprise the second year of a two-year preparatory program in which students will follow a rigorous course of instruction. This curriculum presents basic networking education to equip students with knowledge and skills that can be applied toward entry level careers in IT networking CCENT™ certification and CCNA certification. (CCNA Discovery courses; Introducing Routing and Switching in the Enterprise and Designing and Supporting Computer Networks). This course is available to students who have successfully completed the first year of the program. Schools that offer this course must be an official Local Cisco Networking Academy (CNA). (SOC, Smith, Townview Business, White)

Geographic Infomation Systems

Course: 7323 Grade: 9 Credit: 1

Prerequisites: *None*

Description: This course is designed as an Introduction to basic Geographic Information Systems (GIS) operations, including file management and data transfer. The students will learn how to perform Geographic Information Systems (GIS) data manipulation procedures as related to engineering applications and other fields including business, government, and scientific analysis. Research will be made in regard to career possibilities in GIS. There will be an opportunity for the students to learn how to transfer data between various Computer Aided Design (CAD) packages and GIS, and to use a variety of CAD tool operations with GIS. (Conrad)

Raster Based Geographic Information Systems

Course: 7324 Grade: 10-12 Credit: 1

Prerequisites: *Geographic Infomation Systems*

Description: This course will provide an introduction to basic concepts of vector GIS using industry specific software programs. The students receive instruction in GIS data sets including raster-based information such as images or photographs, acquisition of such data, and processing and merging with vector data. (Conrad)

Spatial Technology/Remote Sensing

Course: 7325 Grade: 10-12 Credit: 1

Prerequisites: *Geographic Infomation Systems*

Description: This course focuses on the study of spatial data structures and the display, manipulation, and analysis of geographic information. Students study the technical aspects involved in spatial data handling, analysis and modeling. Instruction will include theories and procedures associated with the implementation and management of GIS projects. A variety of GIS software packages will be used in the laboratory. (Conrad)

Web Design

Course: 5141 Grade: 9-12 Credit: 1

Prerequisites: *Technology Applications*

Description: The course focuses on scripting, developing searching strategies, publishing skills, and serving information on a web server. Students develop World Wide Web pages that incorporate text, audio, video and graphics using web authoring software, JAVA scripting,

XHTML, and CSS. Students determine and employ methods to evaluate the design, functionality, and security of online information in various settings. This course teaches students how to use networks, including the Internet, for research and resource sharing. This course is recommended for students in grades 10-12.

Dual Credit- Computer Science I Sem 1
Course: 4889 Grade: 9-12 Credit: 0.5

Prerequisites: *Algebra I or Teacher Recommendation*

Description: This course is offered for dual-credit and is articulated to DCCCD Course ITSE 2417, offered Fall Semester. Students will learn the programming language, JAVA. (Offered through Collegiate Academies)

Dual Credit- Computer Science I Sem 2
Course: 4890 Grade: 9-12 Credit: 0.5

Prerequisites: *Algebra I or Teacher Recommendation*

Description: This course is offered for dual-credit and is articulated to DCCCD Course ITSE 2417, offered Spring Semester. Students will learn the programming language, JAVA. (Offered through Collegiate Academies)

AP Computer Science Principles
Course: 5160 Grade: 9-12 Credit: 1

Prerequisites: *Fundamentals of Computer Science or equivalent (recommended)*

Description: The AP Computer Science Principles course is designed to be equivalent to a first semester introductory college computing course. In this course, students will develop computational thinking vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world. Approved College Board teacher syllabus required.

AP Computer Science A - LOTE
Course: 5715 Grade: 9-12 Credit: 1

Prerequisites: *Algebra 1*

Description: The AP Computer Science A – LOTE is co-requisite with AP Computer Science A – Math. Enrollment and scheduling are to be concurrent. AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. Approved College Board teacher syllabus required.

AP Computer Science A - MATH
Course: 5712 Grade: 9-12 Credit: 1

Prerequisites: *Algebra 1*

Description: The AP Computer Science A – MATH is co-requisite with AP Computer Science A – LOTE. Enrollment and scheduling are to be concurrent. AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. Approved College Board teacher syllabus required.

Law and Public Service

Principles of Government and Public Administration
Course: 7260 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: Principles of Government and Public Administration introduces students to foundations of governmental functions and career opportunities within the United States and abroad. Students will examine governmental documents such as the U.S. Constitution,

current U.S. Supreme Court and federal court decisions, and the Bill of Rights. (Townview Law, Skyline)

Political Science I
Course: 7261 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Government and Public Administration*

Description: Political Science I introduces students to political theory through the study of governments; public policies; and political processes, systems, and behavior. (Townview Law, Skyline)

Political Science II
Course: 7262 Grade: 11-12 Credit: 1

Prerequisites: *Political Science I*

Description: Political Science II uses a variety of learning methods and approaches to examine the processes, systems, and political dynamics of the United States and other nations. The dynamic component of this course includes current U.S. and world events. (Townview Law, Skyline)

Revenue, Taxation, and Regulation
Course: 7263 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Government and Public Administration or Accounting I and Accounting II*

Description: Revenue, Taxation, and Regulation provides an overview of law and investigative principles and follows agency procedures to examine evidence and ensure revenue compliance. In addition, students will learn to facilitate clear and positive communication with taxpayers and become familiar with data analysis systems and revenue related financial problems. Students will prepare projects and class activities to simulate the skills needed to enforce legal compliance and regulatory standards. (Townview Law, Skyline)

Planning and Governance
Course: 7264 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Government and Public Administration*

Description: Planning and Governance provides the opportunity for students to formulate plans and policies to meet social, economic, and physical needs of communities. (Townview Law, Skyline)

National Security
Course: 7265 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Government and Public Administration or Principles of Law, Public Safety, Corrections, and Security*

Description: National Security introduces the students to the aspects of disaster management. The course includes engaging simulation exercises related to natural disasters, manmade disasters, and terroristic events using homeland security programs and National Incident Management System (NIMS) programs. (Townview Law, Skyline)

Foreign Service and Diplomacy Security
Course: 7266 Grade: 11-12 Credit: 1

Prerequisites: *Principles of Government and Public Administration or Principles of Law, Public Safety, Corrections, And Security*

Description: Foreign Service and Diplomacy provides the opportunity for students to investigate the knowledge and skills necessary for careers in Foreign Service. The course includes law, history, media communication, and international relations associated with the diplomatic environment. (Townview Law and Skyline)

Practicum in Local, State, and Federal Government
Course: 7267 Grade: 11-12 Credit: 2

Prerequisites: *Government & Public Administration Career Cluster coherent sequences of courses*

Description: Students in the Practicum in Local, State, and Federal Government will concurrently learn advanced concepts of political science and government workings in the classroom setting and in the workplace. In addition, students will apply technical skills pertaining to government and public administration in a direct mentorship by individuals in professional settings such as government, public management and administration, national security, municipal planning, Foreign Service, revenue, taxation, and regulation. (Townview Law, Skyline)

Principles of Law, Public Safety, Corrections and Security
Course: 7326 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: Principles of Law, Public Safety, Corrections, and Security introduces students to professions in law

enforcement, security, corrections, and fire and emergency management services. Students examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, security, and corrections.

Law Enforcement I

Course: 7327 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Law, Public Safety, Corrections and Security*

Description: Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime.

Law Enforcement II

Course: 7330 Grade: 10-12 Credit: 1

Prerequisites: *Law Enforcement I*

Description: Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony. Additionally, students experience content through simulated practices of real-world law enforcement and legal situations.

Forensic Science

Course: 7333 Grade: 11-12 Credit: 1

Prerequisites: *Biology and Chemistry*

Description: Forensic Science uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students learn the history, legal aspects, and career options for forensic science.

Criminal Investigations

Course: 7818 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Law, Public Safety, Corrections and Security*

Description: Criminal Investigation is a course that introduces students to the profession of criminal investigations. Students will understand basic functions of criminal investigations and procedures and will learn how to investigate or follow up during investigations. Students will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation. Through case studies and simulated crime scenes, students will collect and analyze evidence such as fingerprint analysis, bodily fluids, hairs, fibers, shoe and tire impressions, bite marks, drugs, toolmarks, firearms and ammunition, blood spatter, digital evidence, and other types of evidence.

Court Systems and Practices

Course: 7334 Grade: 10-12 Credit: 1

Prerequisites: *Law Enforcement I Or Principles of Government and Public Administration*

Description: Court Systems and Practices is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation.

Correctional Services

Course: 7335 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Law, Public Safety, Corrections and Security*

Description: In Correctional Services, students prepare for certification required for employment as a municipal, county, state, or federal correctional officer. Students will learn the role and responsibilities of a county or municipal correctional officer; discuss relevant rules, regulations, and laws of municipal, county, state, or federal facilities; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the municipal, county, state, or federal correctional setting. Students will analyze rehabilitation and alternatives to institutionalization for inmates.

Federal Law Enforcement and Protective Services
Course: 7336 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Law, Public Safety, Corrections and Security*

Description: Federal Law Enforcement and Protective Services provides the knowledge and skills necessary to prepare for certification in security services for federal law enforcement and protective services. The course provides an overview of security elements and types of organizations with a focus on security measures used to protect lives, property, and proprietary information, to ensure computer security, to provide information assurance, and to prevent cybercrime.

Practicum in Law, Public Safety, Corrections, and Security (First Time Taken)
Course: 7339 Grade: 11-12 Credit: 2

Prerequisites: *For Students Participating in A Coherent Sequence of Career and Technical Education Courses In The Law, Public Safety, Corrections, and Security Career Cluster*

Description: The Practicum is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in Law, Public Safety, Corrections, and Security cluster. The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

Practicum in Law, Public Safety, Corrections, and Security (Second Time Taken)
Course: 7340 Grade: 11-12 Credit: 2

Prerequisites: *For Students Participating in A Coherent Sequence of Career and Technical Education Courses In The Law, Public Safety, Corrections, and Security Career Cluster*

Description: The Practicum is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in Law, Public Safety, Corrections, and Security cluster. The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. (Townview Law)

Extended Practicum in Law, Public Safety, Corrections, and Security (First Time Taken)
Course: 7819 Grade: 11-12 Credit: 3

Prerequisites: *For Students Participating in A Coherent Sequence of Career and Technical Education Courses In The Law, Public Safety, Corrections, and Security Career Cluster*

Description: The Practicum is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in Law, Public Safety, Corrections, and Security cluster. The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

Disaster Response
Course: 7341 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Law, Public Safety, Corrections and Security*

Description: This course trains students as first responders following a major disaster, utilizing the Community Emergency Response Team (CERT) model curriculum, adopted by the Federal Emergency Management Agency (FEMA). The CERT curriculum is focused on disaster preparedness, safety and prevention, and immediate disaster services. Students understand the facts regarding immediate services available following a disaster; develop necessary skills to implement disaster preparedness education training, receive training on life saving skills, problem solving skills, rescuer safety and triage, and develop a plan for implementation and education.

Forensic Psychology
Course: 7342 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Law, Public Safety, Corrections and Security*

Description: This course is an application course of structured psychological research techniques and findings of individuals, cultures, criminals and society to increase success in law enforcement and the criminal justice system. Students achieve the abilities to work as a forensic psychologist.

Legal Research and Writing
Course: 7671 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Law, Public Safety, Corrections and Security*

Description: This course is designed to introduce students to the methods and tools used to conduct legal research to include LexisNexis, learn how to develop and frame legal arguments, produce legal writings such as briefs, memorandums, and other legal documents, study American Constitutional law, and prepare for appellate argument(s).

Manufacturing

Principles of Manufacturing
Course: 7343 Grade: 9-12 Credit: 1

Prerequisites: *Algebra I or Geometry*

Description: In Principles of Manufacturing, students gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. Knowledge and skills in the proper application of principles of manufacturing, the design of technology, the efficient production of technology, and the assessment of the effects of manufacturing production technology prepare students for success in the modern world. The study of manufacturing technology allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in a manufacturing setting. In addition to general academic and technical knowledge and skills, students gain an understanding of career opportunities available in manufacturing and what employers require to gain and maintain employment in these careers. (Skyline)

Introduction to Welding
Course: 7824 Grade: 9-12 Credit: 1

Prerequisites: *Algebra I*

Description: Introduction to Welding will provide an introduction to welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards.

Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries. Students will develop knowledge and skills related to welding and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills will prepare students for future success.

Welding I
Course: 7345 Grade: 10-12 Credit: 2

Prerequisites: *Algebra I, Principles of Manufacturing, or Introduction to Welding*

Description: Welding I provides the knowledge, skills, and technologies required for employment in metal technology systems. Students develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students reinforce, apply and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success.

Welding II
Course: 7346 Grade: 11-12 Credit: 2

Prerequisites: *Welding I*

Description: Welding II builds on knowledge and skills developed in welding. Students develop advanced welding concepts and skills as they relate to personal and career development. This course integrates academic and technical knowledge and skills. Students have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

Welding II/Welding II Lab
Course: 7828 Grade: 11-12 Credit: 3

Prerequisites: *Welding I*

Description: Welding II Lab provides an introduction to welding technology with an emphasis on basic welding laboratory principles and operating procedures. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding

career potentials, and introduction to welding codes and standards. This course provides knowledge, skills, and technologies required for employment in welding industries. Students will develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success.

Precision Metal Manufacturing I

Course: 7347 Grade: 10-12 Credit: 2

Prerequisites: *Principles of Manufacturing, Algebra I or Geometry*

Description: Precision Metal Manufacturing I provides the knowledge, skills, and technologies required for employment in metal technology systems. This course may also address a variety of materials in addition to metal such as plastics, ceramics, and wood. Students develop knowledge of the concepts and skills related to these systems to apply them to personal and career development. This course supports integration of academic and technical knowledge and skills. Students have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for success.

Precision Metal Manufacturing II

Course: 7348 Grade: 11-12 Credit: 2

Prerequisites: *Precision Metal Manufacturing I*

Description: Precision Metal Manufacturing II will provide students the knowledge, skills, and technologies required for employment in precision machining. While this course is designed to provide necessary skills in machining, it also provides a realworld foundation for any engineering discipline. This course addresses a variety of materials such as plastics, ceramics, and wood in addition to metal. Students will develop knowledge of the concepts and skills related to these systems to apply them to personal and career development. This course supports integration of academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for success. This course is designed to provide entry level employment for the student or articulated credit integration into a community college and dual credit with a community college with completion of the advanced course.

Diversified Manufacturing I

Course: 7840 Grade: 10-12 Credit: 1

Prerequisites: *Algera I*

Description: In Diversified Manufacturing I, students gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. The study of manufacturing systems allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in a manufacturing setting. Diversified Manufacturing I allows students the opportunity to understand the process of mass production by using a wide variety of materials and manufacturing techniques. Knowledge about career opportunities, requirements, and expectations and the development of skills prepare students for workplace success.

Diversified Manufacturing II

Course: 7844 Grade: 11-12 Credit: 1

Prerequisites: *Diversified Manufacturing I*

Description: In Diversified Manufacturing II, students will gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. The study of manufacturing systems allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in a manufacturing setting. Diversified Manufacturing II allows students the opportunity to understand the process of mass production by using a wide variety of materials and manufacturing techniques. Knowledge about career opportunities, requirements, and expectations and the development of skills prepare students for workplace success.

Manufacturing Engineering Technology I
Course: 7351 Grade: 10-12 Credit: 1

Prerequisites: *Algebra I*

Description: In Manufacturing Engineering Technology I, students will gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. Students will prepare for success in the global economy. The study of manufacturing engineering will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in a manufacturing setting.

Practicum in Manufacturing (First Time Taken)
Course: 7353 Grade: 12 Credit: 2

Prerequisites: *For Students Participating in A Coherent Sequence of Career and Technical Education Courses in the Manufacturing Career Cluster*

Description: The Practicum in Manufacturing course is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. (Skyline)

Practicum in Manufacturing (Second Time Taken**)**
Course: 7354 Grade: 12 Credit: 2

Prerequisites: *For Students Participating in A Coherent Sequence of Career and Technical Education Courses in the Manufacturing Career Cluster*

Description: The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the manufacturing cluster. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

Extended Practicum in Manufacturing (First Time Taken)
Course: 7839 Grade: 12 Credit: 3

Prerequisites: *For Students Participating in A Coherent Sequence of Career and Technical Education Courses in the Manufacturing Career Cluster*

Description: The Extended Practicum in Manufacturing course is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

Basic Fluid Power
Course: 7983 Grade: 11-12 Credit: 1

Prerequisites: *Algebra I, Geometry, and Solid-State Electronics*

Description: Basic Fluid Power is an overview of automated manufacturing principles. It includes coverage of the manufacturing process, control systems, and measurement theory. Students will identify terminology and fundamental concepts of manufacturing; describe the trends of manufacturing careers within the industry cluster; identify safety, health, environmental, and ergonomic issues in manufacturing; discuss quality and continuous improvement methods; describe the importance of maintenance within manufacturing; and identify processes and production steps in manufacturing.

Blueprint Reading for Manufacturing Applications
Course: 6150 Grade: 10-12 Credit: 1

Prerequisites: *Algebra I, Geometry, and Principles of Construction Blueprint Reading for Manufacturing*

Description: Applications is an introduction to reading and interpreting working drawings for fabrication processes and associated trades. Students will learn sketching techniques to create pictorial and multiple-view drawings. Students will interpret working drawings including dimensions, notes, symbols, sections and auxiliary views.

Robotics Programming and Design
Course: 5158 Grade: 9-12 Credit: 1

Prerequisites: *Technology Applications or equivalent knowledge and skills*

Description: Students will express creativity and innovation through the design, implementation, and delivery of meaningful projects a variety of robotic programs. Students will collaborate with one another, their instructor, and various electronic communities to solve problems in designing and programming robots. Through data analysis, students will identify task requirements, plan search strategies, and use robotic concepts to access, analyze, and evaluate information needed to solve problems. By using robotic knowledge

and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of robotics through the study of physics, robotics, automation, and engineering design concepts.

Robotics Programming & Design (MA)
Course: 5173 Grade: 9-12 Credit: 1

Prerequisites: *Technology Applications or equivalent knowledge and skills*

Description: (AAR Math Credit) Robotics Programming and Design will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful robotic programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve problems in designing and programming robots. Through data analysis, students will identify task requirements, plan search strategies, and use robotic concepts to access, analyze, and evaluate information needed to solve problems. By using robotic knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of robotics through the study of physics, robotics, automation, and engineering design concepts.

Science, Technology, Engineering, and Mathematics

Principles of Applied Engineering
Course: 7175 Grade: 9-10 Credit: 1

Prerequisites: *None*

Description: Principles of Applied Engineering provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the various fields of engineering and will be able to make informed career decisions. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments.

Principles of Biosciences
Course: 7176 Grade: 9-10 Credit: 1

Prerequisites: *None*

Description: Principles of Biosciences is a strong reinforcement of Biology content that provides an overview of biotechnology, bioengineering, and related fields. Topics include genetics, cell structure, proteins, nucleic acids, and the impact of immunological events in biotechnology. Students will further study the increasingly important agricultural, environmental, economic, and political roles of bioenergy and biological remediation; the roles of nanoscience and nanotechnology in biotechnology medical research; and future trends in biological science and biotechnology. (Science & Engineering, Health Professions)

Biotechnology I
Course: 7177 Grade: 11-12 Credit: 1

Prerequisites: *Biology and Chemistry*

Description: In Biotechnology I, students will apply advanced academic knowledge and skills to the emerging fields of biotechnology such as agricultural, medical, regulatory, and forensics. Students will have the opportunity to use sophisticated laboratory equipment, perform statistical analysis, and practice quality control techniques. Students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biotechnology I will study a variety of topics that include structures and functions of cells, nucleic acids, proteins, and genetics. (Science & Engineering, Health Professions)

Engineering Design and Presentation I
Course: 7178 Grade: 10-12 Credit: 1

Prerequisites: *Algebra I, Principles of Applied Engineering*

Description: Engineering Design and Presentation I is a continuation of knowledge and skills learned in Principles of Applied Engineering. Student enrolled in this course will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and

present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Students will explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas.

Engineering Design and Presentation II

Course: 7179 Grade: 11-12 Credit: 2

Prerequisites: *Engineering Design and Presentation I*

Description: Engineering Design and Presentation II is a continuation of knowledge and skills learned in Engineering Design and Presentation I. Students enrolled in this course will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, 3D and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Emphasis will be placed on using skills from ideation through prototyping.

Engineering Mathematics

Course: 7180 Grade: 11-12 Credit: 1

Prerequisites: *Algebra II*

Description: Engineering Mathematics is a course where students solve and model robotic design problems. Students use a variety of mathematical methods and models to represent and analyze problems involving data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming. This course may also be used as a third or fourth math credit under the HB5 graduation requirements for students entering who have entered Grade 9 in the 2014-2015 school year and thereafter. (Science & Engineering, Obama Male Leadership Academy)

AC/DC Electronics

Course: 7181 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: AC/DC Electronics focuses on the basic electricity principles of alternating current/direct current (AC/DC) circuits. Students will demonstrate knowledge and applications of circuits, electronic measurement, and electronic implementation. Through use of the design process, students will transfer academic skills to component designs in a project-based environment. Students will use a variety of computer hardware and software applications to complete assignments and projects. Additionally, students will explore career opportunities, employer expectations, and educational needs in the electronics industry.

Robotics I

Course: 7183 Grade: 9-10 Credit: 1

Prerequisites: *Principles of Applied Engineering*

Description: In Robotics I, students will transfer academic skills to component designs in a projectbased environment through implementation of the design process. Students will build prototypes or use simulation software to test their designs. Additionally, students will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry.

Robotics II

Course: 7847 Grade: 10-12 Credit: 1

Prerequisites: *Robotics I*

Description: In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a projectbased environment. Students will build prototypes and use software to test their designs.

Robotics Programming and Design

Course: 5158 Grade: 9-12 Credit: 1

Prerequisites: *Technology Applications or equivalent knowledge and skills*

Description: Students will express creativity and innovation through the design, implementation, and delivery of meaningful projects a variety of robotic

programs. Students will collaborate with one another, their instructor, and various electronic communities to solve problems in designing and programming robots. Through data analysis, students will identify task requirements, plan search strategies, and use robotic concepts to access, analyze, and evaluate information needed to solve problems. By using robotic knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of robotics through the study of physics, robotics, automation, and engineering design concepts.

Robotics Programming & Design (MA)

Course: 5173 Grade: 9-12 Credit: 1

Prerequisites: *Technology Applications or equivalent knowledge and skills*

Description: (AAR Math Credit) Robotics Programming and Design will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful robotic programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve problems in designing and programming robots. Through data analysis, students will identify task requirements, plan search strategies, and use robotic concepts to access, analyze, and evaluate information needed to solve problems. By using robotic knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of robotics through the study of physics, robotics, automation, and engineering design concepts.

Scientific Research and Design

Course: 7185 Grade: 11-12 Credit: 1

Prerequisites: *Biology, Chemistry, Integrated Physics and Chemistry, or Physics*

Description: Scientific Research and Design is a broad-based course designed to allow districts and schools considerable flexibility to develop local curriculum to supplement any program of study or coherent sequence. The course has the components of any rigorous scientific or engineering program of study from the problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions. All of these components are integrated with the career and technical education emphasis of helping students gain entry-level employment in high skill, high wage jobs and/or continue their education. Students must meet the 40% laboratory and fieldwork requirement. Students may repeat this course with different course content for up to three credits. This course may also be used as a third or fourth science credit under the HB5 graduation requirements for students who have entered Grade 9 in the 2014-2015 school year and thereafter.

Scientific Research and Design II

Course: 7134 Grade: 11-12 Credit: 1

Prerequisites: *Biology, Chemistry, Integrated Physics and Chemistry, or Physics*

Description: Scientific Research and Design is a broad-based course designed to allow districts and schools considerable flexibility to develop local curriculum to supplement any program of study or coherent sequence. The course has the components of any rigorous scientific or engineering program of study from the problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions. All of these components are integrated with the career and technical education emphasis of helping students gain entry-level employment in high skill, high wage jobs and/or continue their education. Students must meet the 40% laboratory and fieldwork requirement. Students may repeat this course with different course content for up to three credits. This course may also be used as a third or fourth science credit under the HB5 graduation requirements for students who have entered Grade 9 in the 2014-2015 school year and thereafter.

Scientific Research and Design III

Course: 7135 Grade: 11-12 Credit: 1

Prerequisites: *Biology, Chemistry, Integrated Physics and Chemistry, or Physics*

Description: Scientific Research and Design is a broad-based course designed to allow districts and schools considerable flexibility to develop local curriculum to supplement any program of study or coherent sequence. The course has the components of any rigorous scientific or engineering program of study from the problem

identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions. All of these components are integrated with the career and technical education emphasis of helping students gain entry-level employment in high skill, high wage jobs and/or continue their education. Students must meet the 40% laboratory and fieldwork requirement. Students may repeat this course with different course content for up to three credits. This course may also be used as a third or fourth science credit under the HB5 graduation requirements for students who have entered Grade 9 in the 2014-2015 school year and thereafter.

Engineering Design and Problem Solving

Course: 7578 Grade: 11-12 Credit: 1

Prerequisites: *Algebra I And Geometry, Two Science, Technology, Engineering, And Mathematics (STEM) Career Cluster Courses*

Description: The Engineering Design and ProblemSolving course is the creative process of solving problems by identifying needs and then devising solutions. The solution may be a product, technique, structure, or process depending on the problem. Science aims to understand the natural world, while engineering seeks to shape this world to meet human needs and wants. Engineering design takes into consideration limiting factors or "design under constraint." Various engineering disciplines address a broad spectrum of design problems using specific concepts from the sciences and mathematics to derive a solution. The design process and problem solving are inherent to all engineering disciplines. This course may also be used as a third or fourth science credit under the HB5 graduation requirements for students who have entered Grade 9 in the 2014-2015 school year and thereafter.

PLTW- Engineering Science/Principles of Engineering

Course: 7723 Grade: 10-12 Credit: 1

Prerequisites: *Algebra 1 and Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics. Recommended Prerequisite: Geometry*

Description: Engineering Science is an engineering course designed to expose students to some of the major concepts and technologies that they will encounter in a postsecondary program of study in any engineering domain. Students will have an opportunity to investigate engineering and high-tech careers. In Engineering Science, students will employ science, technology, engineering, and mathematical concepts in the solution of real-world challenge situations. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community. (Kimball, Spruce, White, Wilson, Conrad, Hillcrest, Lincoln, North Dallas, Adams, Jefferson) This course may also be used as a third or fourth science credit under the HB5 graduation requirements for students who have entered Grade 9 in the 2014 - 2015 school year and thereafter.

Practicum in Science, Technology, Engineering, and Mathematics

Course: 7186 Grade: 12 Credit: 2

Prerequisites: *Two Science, Technology, Engineering, And Mathematics (STEM) Career Cluster Courses*

Description: Practicum in STEM is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

PLTW- Introduction to Engineering Design

Course: 7725 Grade: 9-10 Credit: 1

Prerequisites: *None*

Description: In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. (Kimball, Spruce, White, Wilson, Conrad, Hillcrest, Lincoln, North Dallas, Adams, Jefferson)

PLTW-Digital Electronics

Course: 7721 Grade: 11-12 Credit: 1

Prerequisites: *Introduction to Engineering Design*

Description: This course is the study of electronic circuits that are used to process and control digital signals. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, and high definition

televisions. The major focus of the DE course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. (Hillcrest, White, Conrad, Adams) This course may also be used as a third or fourth math credit under the HB5 graduation requirements for students who have entered Grade 9 in the 2014-2015 school year and thereafter.

PLTW- Aerospace Engineering

Course: 7718 Grade: 11-12 Credit: 1

Prerequisites: *Introduction to Engineering Design*

Description: The major focus of this course is to expose students to the world of aeronautics, flight, and engineering through the fields of aeronautics, aerospace engineering, and related areas of study. Lessons engage students in engineering design problems related to aerospace information systems, astronautics, rocketry, propulsion, the physics of space science, space life sciences, the biology of space science, principles of aeronautics, structures and materials, and systems engineering. Students work in teams utilizing hands-on activities, projects, and problems and are exposed to various situations faced by aerospace engineers. In addition, students use 3D design software to help design solutions to proposed problems. Students design intelligent vehicles to learn about documenting their project, solving problems, and communicating their solutions to their peers and members of the professional community. (Lincoln, White, Wilson)

PLTW- Civil Engineering & Architecture

Course: 7719 Grade: 11-12 Credit: 1

Prerequisites: *Introduction to Engineering Design*

Description: The major focus of this course is completing long-term projects that involve the development of property sites. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of a property. The course provides teachers and students freedom to develop the property as a simulation or to students to model the experiences that civil engineers and architects face. Students work in teams, exploring hands-on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use 3D design software to help them design solutions to solve major course projects. Students learn about documenting their project, solving problems, and communicating their solutions to their peers. (Lincoln, Wilson, Conrad)

PLTW- Computer Integrated Manufacturing

Course: 7720 Grade: 11-12 Credit: 1

Prerequisites: *Introduction to Engineering Design*

Description: The major focus of this course is to answer questions such as: How are things made? What processes go into creating products? Is the process for making a water bottle the same as it is for a musical instrument? How do assembly lines work? How has automation changed the face of manufacturing? As students find the answers to these questions, they learn about the history of manufacturing, a sampling of manufacturing processes, robotics, and automation. The course is built around several key concepts: computer modeling, Computer Numeric Control (CNC) equipment, Computer Aided Manufacturing (CAM) software, robotics and flexible manufacturing systems. (Conrad)

PLTW- Engineering Design and Development

Course: 7722 Grade: 12 Credit: 1

Prerequisites: *Successful Completion of Year 1, 2, and 3 Project Lead the Way Courses*

Description: This capstone course allows students to design a solution to a technical problem of their choosing. They have the chance to eliminate one of the "Don't you hate it when…" statements of the world. This is an engineering research course in which students will work in teams to research, design, test, and construct a solution to an openended engineering problem. The product development lifecycle and a design process are used to guide and help the team to reach a solution to the problem. The team presents and defends their solution to a panel of outside reviewers at the conclusion of the course. The EDD course allows students to apply all the skills and knowledge learned in previous Project Lead the Way courses. The use of 3D design software helps students design solutions to the problem their team has chosen. This course also engages students in time management and teamwork skills, a valuable asset to students in the future. (Wilson, Hillcrest and Conrad)

Applied Mathematics for Technical Professionals

Course: 7014 Grade: 12 Credit: 1

Prerequisites: *None*

Description: The process standards describe ways in which students are expected to engage in the content.

The placement of the process standards at the beginning of the knowledge and skills listed for each Grade and course is intentional. The process standards weave the other knowledge and skills together so that students may be successful problem solvers and use mathematics efficiently and effectively in daily life. The process standards are integrated at every Grade level and course. When possible, students will apply mathematics to problems arising in everyday life, society, and the workplace.

Computer Science I
Course: 4043 Grade: 9-12 Credit: 1

Prerequisites: *Algebra I or Teacher Recommendations*

Description: This course teaches the programming language of JAVA. Students are prepared for the AP Computer Science course while learning graphics and design as well as real-world applications. This course is ideal for students in grades 9–11 who plan to continue in the CS AP sequence.

Computer Science I Pre-Adv Placement
Course: 4036 Grade: 9-12 Credit: 1

Prerequisites: *Algebra I or Teacher Recommendation AND student is Pre-AP-eligible through G/T or Honor services or staff recommendation*

Description: This course is an implementation of Computer Science I is offered to support students receiving G/T and/or Honors services. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems.

TA Computer Science II
Course: 6113 Grade: 9-12 Credit: 1

Prerequisites: *Algebra I AND either Computer Science I or Computer Science Fundamentals*

Description: This course teaches the programming language of JAVA. Students are prepared for the AP Computer Science course while learning graphics and design as well as real-world applications. This course is ideal for students in grades 9–11 who plan to continue in the CS AP sequence.

Computer Science III
Course: 6115 Grade: 11-12 Credit: 1

Prerequisites: *Computer Science II, Advanced Placement (AP) Computer Science A, or International Baccalaureate (IB) Computer Science*

Description: This course teaches the programming language, JAVA. Students are prepared for the AP Computer Science course while learning graphics and design as well as real-world applications. This course is ideal for students in grades 11-12 who plan to continue in the CS endorsement.

Dual Credit- Computer Science III Sem 1
Course: 5182 Grade: 11-12 Credit: 0.5

Prerequisites: *Computer Science II, Advanced Placement (AP) Computer Science A, or International Baccalaureate (IB) Computer Science*

Description: This course is offered for dual-credit and is articulated with DCCCD Course COS 2436 (Fall Semester enrollment). This course teaches the programming language, JAVA. Students are prepared for the AP Computer Science course while learning graphics and design as well as real-world applications. This course is ideal for students in grades 11-12 who plan to continue in the CS endorsement.

Dual Credit- Computer Science III Sem 2
Course: 5183 Grade: 11-12 Credit: 0.5

Prerequisites: *Computer Science II, Advanced Placement (AP) Computer Science A, or International Baccalaureate (IB) Computer Science*

Description: This course is offered for dual-credit and is articulated with DCCCD Course COS 2436 (Spring Semester enrollment). This course teaches the programming language, JAVA. Students are prepared for the AP Computer Science course while learning graphics and design as well as real-world applications. This course is ideal for students in grades 11-12 who plan to continue in the CS endorsement.

Cybersecurity Capstone
Course: 6933 Grade: 11-12 Credit: 1

Prerequisites: *Recommended: Foundations of Cybersecurity)*

Description: Cybersecurity Capstone may serve as a culminating course in this field of study. Students will develop the knowledge and skills needed to explore advanced concepts related to the ethics, laws, and

operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will develop security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study toward industry certification.

Discrete Math for Computer Science
Course: 5157 Grade: 9-12 Credit: 1

Prerequisites: *Algebra II*

Description: Discrete Mathematics provides the tools used in most areas of computer science. Exposure to the mathematical concepts and discrete structures presented in this course is essential in order to provide an adequate foundation for further study. Discrete Mathematics is generally listed as a core requirement for Computer Science majors. Course topics are divided into six areas: sets, functions, and relations; basic logic; proof techniques; counting basics; graphs and trees; and discrete probability.

Digital Forensics
Course: 5018 Grade: 9-12 Credit: 1

Prerequisites: *Technology Applications or Teacher Recommendation*

Description: Digital Forensics will foster students' creativity and innovation by presenting opportunities to investigate simulations and case studies of crimes, reconstructing computer security incidents, troubleshooting operational problems, and recovering from accidental system damage. Students will collaborate to develop forensic techniques to assist with computer security incident response. Students will learn methods to identify, collect, examine, and analyze data while preserving the integrity of the information and maintaining a strict chain of custody for data. Students will solve problems as they study the application of science to the law. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of computing and networking systems that transmit or store electronic data.

Fundamentals of Computer Science
Course: 5050 Grade: 9-12 Credit: 1

Prerequisites: *Technology Applications or Teacher Recommendation*

Description: Fundamentals of Computer Science is an introductory Computer Science course that empowers students to create authentic artifacts and engage with CS as a medium for creativity, communication, problem solving, and fun. Students develop problem solving and reasoning skills that are the foundation of computer science.

Foundations of Cybersecurity
Course: 6942 Grade: 9-12 Credit: 1

Prerequisites: *none*

Description: Foundations of Cybersecurity may serve as an introductory course in this field of study. Students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks and enforce laws, investigative techniques, and criminological theories applicable to computer crime. The skills obtained in this course prepare students for additional student in cybersecurity.

Transportation, Distribution, and Logistics

Principles of Transportation Systems
Course: 7848 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: In Principles of Transportation Systems, students will gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems. This knowledge includes the history, laws and regulations, and common practices used in the transportation industry. Students should apply knowledge and skills to a variety of interesting and relevant activities, problems, and settings.

Introduction to Transportation Technology
Course: 7849 Grade: 9-10 Credit: 0.5

Prerequisites: *None*

Description: Introduction to Transportation Technology includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. Transportation Technology includes applicable safety and environmental rules and regulations. In Transportation Technology, students will gain knowledge

and skills in the repair, maintenance, and diagnosis of transportation systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability

Energy and Power of Transportation Systems- Air Tech

Course: 7201 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Transportation Systems*

Description: Energy and Power of Transportation Systems will prepare students to meet the expectations of employers in this industry and to interact and relate to others. Students will learn the technologies used to provide products and services in a timely manner. The businesses and industries of the Transportation, Distribution, and Logistics Career Cluster are rapidly expanding to provide new career and career advancement opportunities. Performance requirements will include academic and technical skills. Students will need to understand the interaction between various vehicle systems, including engines, transmissions, brakes, fuel, cooling, and electrical. Students will also need to understand the logistics used to move goods and services to consumers, as well as the components of transportation infrastructure. (Skyline Aviation)

Energy and Power of Transportation Systems (Diesel)

Course: 7202 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Transportation Systems*

Description: Energy and Power of Transportation Systems will prepare students to meet the expectations of employers in this industry and to interact and relate to others. Students will learn the technologies used to provide products and services in a timely manner. The businesses and industries of the Transportation, Distribution, and Logistics Career Cluster are rapidly expanding to provide new career and career advancement opportunities. Performance requirements will include academic and technical skills. Students will need to understand the interaction between various vehicle systems, including engines, transmissions, brakes, fuel, cooling, and electrical. Students will also need to understand the logistics used to move goods and services to consumers, as well as the components of transportation infrastructure. (Diesel Skyline, Wilmer Hutchins)

Energy and Power of Transportation Systems- Auto Tech

Course: 7203 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Transportation Systems*

Description: Energy and Power of Transportation Systems will prepare students to meet the expectations of employers in this industry and to interact and relate to others. Students will learn the technologies used to provide products and services in a timely manner. The businesses and industries of the Transportation, Distribution, and Logistics Career Cluster are rapidly expanding to provide new career and career advancement opportunities. Performance requirements will include academic and technical skills. Students will need to understand the interaction between various vehicle systems, including engines, transmissions, brakes, fuel, cooling, and electrical. Students will also need to understand the logistics used to move goods and services to consumers, as well as the components of transportation infrastructure. (Auto Tech Adamson, Lincoln, Pinkston, Skyline)

Energy and Power of Transportation Systems- Collission

Course: 7204 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Transportation Systems*

Description: Energy and Power of Transportation Systems will prepare students to meet the expectations of employers in this industry and to interact and relate to others. Students will learn the technologies used to provide products and services in a timely manner. The businesses and industries of the Transportation, Distribution, and Logistics Career Cluster are rapidly expanding to provide new career and career advancement opportunities. Performance requirements will include academic and technical skills. Students will need to understand the interaction between various vehicle systems, including engines, transmissions, brakes, fuel, cooling, and electrical. Students will also need to understand the logistics used to move goods and services to consumers, as well as the components of transportation infrastructure. (Collision Skyline, Spruce)

Energy and Power of Transportation Systems- Tran Sys

Course: 7206 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Transportation Systems*

Description: Energy and Power of Transportation Systems will prepare students to meet the expectations of employers in this industry and to interact and relate to others. Students will learn the technologies used to provide products and services in a timely manner. The businesses and industries of the Transportation, Distribution, and Logistics Career Cluster are rapidly expanding to provide new career and career advancement opportunities. Performance requirements will include academic and technical skills. Students will need to understand the interaction between various vehicle systems, including engines, transmissions, brakes, fuel, cooling, and electrical. Students will also need to understand the logistics used to move goods and services to consumers, as well as the components of transportation infrastructure. (Trans System Wilmer Hutchins, Carter)

Introduction to Aircraft Technology

Course: 7854 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: Introduction to Aircraft Technology is designed to teach the theory of operation of aircraft airframes, power plants, and associated maintenance and repair practices. Maintenance and repair practices include knowledge of the function, diagnosis, and service of general curriculum subjects, airframe structures, airframe systems and components, power plant theory and maintenance, and power plant systems and components of aircrafts. Industry recognized professional licensures, certifications, and registrations are available for students who meet the requirements set forth by the accrediting organization.

Aircraft Airframe Technology

Course: 7207 Grade: 10-12 Credit: 2

Prerequisites: *Introduction to Aircraft Technology*

Description: Aircraft Airframe Technology is designed to teach the theory of operation of aircraft airframes and associated maintenance and repair practices. Airframe maintenance and repair practices include knowledge of the function, diagnosis, and service of airframe structures, systems, and components of aircraft (Skyline)

Aircraft Powerplant Technology

Course: 7208 Grade: 11-12 Credit: 2

Prerequisites: *Introduction to Aircraft Technology*

Description: Aircraft Powerplant Technology is designed to teach the theory of operation of aircraft powerplants [airframes, powerplants, and avionics systems] and associated maintenance and repair practices. Powerplant maintenance and repair practices include knowledge of the theory, function, diagnosis, and service of powerplant systems, and components of aircraft. Industry recognized professional licensures, certifications, and registrations are available for students who meet the requirements set forth by the accrediting organization. (Skyline)

Introduction to Aerospace Aviation

Course: 3112 Grade: 9-11 Credit: 1

Prerequisites: *None*

Description: The Introduction to Aerospace and Aviation course will provide the foundation for advanced exploration in the areas of professional pilot, aerospace engineering, and unmanned aircraft systems. Students will learn about the history of aviation, from Leonardo da Vinci's ideas about flight to the Wright brothers and the space race. Along the way students will learn about the innovations and technological developments that have made today's aviation and aerospace industries possible. The course includes engineering practices, the design process, aircraft structure, space vehicles past and present, and a look toward future space exploration. (Career Institutes)

Introduction to Unmanned Aerial Vehicle (UAV) Flight

Course: 6950 Grade: 10-12 Credit: 1

Prerequisites: *None*

Description: The Introduction to Unmanned Aerial Vehicles (UAV) Flight course is designed to prepare students for entry-level employment or continuing degrees in piloting UAV operations. This course is designed to instruct students in UAV flight navigation, industry laws and regulations, and safety regulations. Students are also exposed to mission planning procedures and environmental and human factors involved in the UAV industry. (Career Institutes)

Automotive Basics

Course: 7850 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: Automotive Basics includes knowledge of the basic automotive systems and the theory and principles of the components that make up each system and how to service these systems. Automotive Basics includes applicable safety and environmental rules and regulations. In Automotive Basics, students will gain knowledge and skills in the repair, maintenance, and servicing of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

Automotive Technology I: Maintenance and Light Repair

Course: 7209 Grade: 10-12 Credit: 2

Prerequisites: *Automotive Basics*

Description: Automotive Technology I: Maintenance and Light Repair includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. This course includes applicable safety and environmental rules and regulations. In Automotive Technology I: Maintenance and Light Repair, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability (Adamson, Lincoln, Pinkston, and Skyline)

Automotive Technology II:Automotive Service

Course: 7211 Grade: 11-12 Credit: 2

Prerequisites: *Automotive Technology I: Maintenance and Light Repair*

Description: Automotive Technology II: Automotive Service includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. Automotive Technology II: Automotive Service includes applicable safety and environmental rules and regulations. In this course, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability. (Adamson, Lincoln, Pinkston, Skyline)

AutomotiveTechnology II: Automotive Service/Advanced Transportation Systems Laboratory

Course: 7853 Grade: 11-12 Credit: 3

Prerequisites: *Automotive Technology I: Maintenance and Light Repair*

Description: Advanced Transportation Systems Laboratory provides the opportunity to extend knowledge of the major transportation systems and the principles of diagnosing and servicing these systems. Topics in this course may include alternative fuels such as hybrid, bio diesel, hydrogen, compressed natural gas (CNG), liquidized natural gas (LNG), propane, and solar; total electric vehicles and power trains; advanced transportation systems such as collision avoidance, telematics, vehicle stability control, navigation, vehicle to vehicle communications; and other technologies. This study will allow students to have an increased understanding of science, technology, engineering, and mathematics in all aspects of these systems. This will reinforce, apply, and transfer academic knowledge and skills to a variety of relevant activities, problems, and settings.

Collision Repair/Advanced Transportation Systems Laboratory

Course: 7858 Grade: 11-12 Credit: 3

Prerequisites: *Minimum of One Credit from The Courses in The Transportation, Distribution, And Logistics Career Cluster*

Description: Advanced Transportation Systems Laboratory provides the opportunity to extend knowledge of the major transportation systems and the principles of diagnosing and servicing these systems. Topics in this course may include alternative fuels such as hybrid, bio diesel, hydrogen, compressed natural gas (CNG), liquidized natural gas (LNG), propane, and solar; total electric vehicles and power trains; advanced transportation systems such as collision avoidance, telematics, vehicle stability control, navigation, vehicle to vehicle communications; and other technologies. This study will allow students to have an increased understanding of science, technology, engineering, and

mathematics in all aspects of these systems. This will reinforce, apply, and transfer academic knowledge and skills to a variety of relevant activities, problems, and settings. (Skyline, Spruce)

Paint and Refinishing/Advanced Transportation Systems Laboratory

Course: 7859 Grade: 11-12 Credit: 3

Prerequisites: *Minimum of One Credit from The Courses in The Transportation, Distribution, And Logistics Career Cluster*

Description: Advanced Transportation Systems Laboratory provides the opportunity to extend knowledge of the major transportation systems and the principles of diagnosing and servicing these systems. Topics in this course may include alternative fuels such as hybrid, bio diesel, hydrogen, compressed natural gas (CNG), liquidized natural gas (LNG), propane, and solar; total electric vehicles and power trains; advanced transportation systems such as collision avoidance, telematics, vehicle stability control, navigation, vehicle to vehicle communications; and other technologies. This study will allow students to have an increased understanding of science, technology, engineering, and mathematics in all aspects of these systems. This will reinforce, apply, and transfer academic knowledge and skills to a variety of relevant activities, problems, and settings

Basic Collision Repair and Refinishing

Course: 7857 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: Basic Collision Repair and Refinishing includes knowledge of the processes, technologies, and materials used in the reconstruction of vehicles. This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing.

Collision Repair

Course: 7213 Grade: 10-12 Credit: 2

Prerequisites: *Basic Collision Repair and Refinishing*

Description: Collision Repair includes knowledge of the processes, technologies, and materials used in the reconstruction of vehicles. This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing.

Paint and Refinishing

Course: 7214 Grade: 10-12 Credit: 2

Prerequisites: *Basic Collision Repair and Refinishing or Collision Repair*

Description: Paint and Refinishing includes knowledge of the processes, technologies, and materials used in the reconstruction of vehicles. This course is designed to teach the concepts and theory of systems related to automotive paint and refinishing

Small Engine Technology I

Course: 7215 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: Small Engine Technology I includes knowledge of the function and maintenance of the systems and components of all types of small engines such as outdoor power equipment, motorcycles, generators, and irrigation engines. This course is designed to provide training for employment in the small engine technology industry. Instruction includes the repair and service of cooling, air, fuel, lubricating, electrical, ignition, and mechanical systems in addition, the student will receive instruction in safety, academic, and leadership skills as well as career opportunities.

Small Engine Technology II

Course: 7216 Grade: 10-12 Credit: 2

Prerequisites: *Small Engine Technology I*

Description: Small Engine Technology II includes advanced knowledge of the function, diagnosis, and service of the systems and components of all types of small engines such as outdoor power equipment, motorcycles, generators, and irrigation engines. This course is designed to provide hands-on and practical application for employment in the small engine technology industry. Instruction includes the repair and service of cooling, air, fuel, lubricating, electrical, ignition, and mechanical systems and small engine overhauls. In addition, students will receive instruction in safety, academic, and leadership skills as well as career opportunities.

Management of Transportation Systems Private Pilot

Course: 7217 Grade: 10-12 Credit: 1

Prerequisites: *Principles of Transportation System*

Description: In Management of Transportation Systems, students will gain knowledge and skills in material handling and distribution and proper application, design, and production of technology as it relates to the transportation industries. This course includes the safe operation of tractor-trailers, forklifts, and related heavy equipment. This course will allow students to reinforce, apply, and transfer their academic knowledge and skills to management of transportation systems and associated careers. (Skyline)

Distributions and Logistics

Course: 7219 Grade: 11-12 Credit: 1

Prerequisites: *Principles of Distribution and Logistics*

Description: Distribution and Logistics is designed to provide training for entry-level employment in distribution and logistics. This course focuses on the business planning and management aspects of distribution and logistics. To prepare for success, students will learn, reinforce, experience, apply, and transfer their knowledge and skills related to distribution and logistics. (Wilmer Hutchins, Carter)

Practicum in Transportation Systems (First Time Taken)

Course: 7860 Grade: 11-12 Credit: 2

Prerequisites: *For Students Participating in A Coherent Sequence of Career and Technical Education Courses in The Transportation, Distribution, and Logistics Career Cluster*

Description: Practicum in Transportation Systems is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories The Practicum can be either school lab based or worked based.

Extended Practicum in Transportation Systems (First Time Taken)

Course: 7871 Grade: 11-12 Credit: 3

Prerequisites: *For Students Participating in A Coherent Sequence of Career and Technical Education Courses in The Transportation, Distribution, and Logistics Career Cluster*

Description: Extended Practicum in Transportation Systems is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories. Extended Practicum in Transportation Systems can be either school lab based or worked based.

Career Preparation I

Course: 7228 Grade: 11-12 Credit: 2

Prerequisites: *Completion of Two Or More Career and Technical Education Courses an A Program of Study*

Description: Career Preparation I provides opportunities for students to participate in a work based learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success. Students must work an average of 10 hours per week to receive credit for this course.

Extended Career Preparation I

Course: 7012 Grade: 11-12 Credit: 3

Prerequisites: *Completion of Two Or More Career and Technical Education Courses an A Program of Study*

Description: Extended Career Preparation provides opportunities for students to participate in a workbased learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success. Students must work an average of 15 hours per week to receive credit for this course.

Extended Career Preparation II
Course: 7013 Grade: 12 Credit: 3

Prerequisites: *Career Preparation I*

Description: Extended Career Preparation provides opportunities for students to participate in a workbased learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success. Students must work an average of 15 hours per week to receive credit in this course.

Project-Based Research (First Time Taken)
Course: 7237 Grade: 11-12 Credit: 1

Prerequisites: *Department and Teacher Approval Required*

Description: Project Based Research is a course for students to research a real-world problem. Students are matched with a mentor from the business or professional community to develop an original project on a topic related to career interests. Students use scientific methods of investigation to conduct in-depth research, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

Project-Based Research (Second Time Taken)
Course: 7425 Grade: 11-12 Credit: 1

Prerequisites: *Department and Teacher Approval Required*

Description: Project Based Research is a course for students to research a real-world problem. Students are matched with a mentor from the business or professional community to develop an original project on a topic related to career interests. Students use scientific methods of investigation to conduct in-depth research, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

Other Elective Courses

College Transitions
Course: 5826 Grade: 9-12 Credit: 1

Prerequisites: *None*

Description: College Transition is a high school course designed to equip students with the knowledge, skills and abilities necessary to be active and successful learners both in high school and in college.

Logic I
Course: 6924 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: Logic I will provide course content in informal logic which includes intensive experience with logical fallacies and an emphasis on inductive reasoning, strong versus weak and fallacious arguments, and probability. Informal logic concentrates on evaluating the content of an argument, and deals almost entirely with “ordinary language arguments” in the interchange of ideas between people.

Logic II
Course: 6925 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: Logic II is a course in formal logic, or the logic that pertains to pure reasoning in the abstract – deductive reasoning, valid or invalid arguments, and certainty (given the premise). In Logic II, students will be fully engaged in the world of syllogism where focus is placed on understanding the form of an argument, and arguments can be analyzed using symbols.

Path to College Career I
Course: 7831 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The Path-College/Career Prep courses advance intellectual curiosity, conscientiousness, dependability, emotional stability, and perseverance through tasks that foster deeper levels of thinking and reasoning in the four core content areas. Path courses focus on developing the habits and skills that are expected in college study and the workforce.

Path to College Career II
Course: 7892 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The Path-College/Career Prep courses advance intellectual curiosity, conscientiousness, dependability, emotional stability, and perseverance through tasks that foster deeper levels of thinking and reasoning in the four core content areas. Path courses focus on developing the habits and skills that are expected in college study and the workforce.

Path to College Career III
Course: 7933 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The Path-College/Career Prep courses advance intellectual curiosity, conscientiousness, dependability, emotional stability, and perseverance through tasks that foster deeper levels of thinking and reasoning in the four core content areas. Path courses focus on developing the habits and skills that are expected in college study and the workforce.

Path to College Career IV
Course: 7834 Grade: 9-12 Credit: 0.5

Prerequisites: *None*

Description: The Path-College/Career Prep courses advance intellectual curiosity, conscientiousness, dependability, emotional stability, and perseverance through tasks that foster deeper levels of thinking and reasoning in the four core content areas. Path courses focus on developing the habits and skills that are expected in college study and the workforce.

INTERNATIONAL BACCALAUREATE (IB) COURSES

IS English I
Course: 1447 Grade: 9 Credit: 1

Prerequisites: *Acceptance into the IB program*

Description: This course incorporates the components of balanced literacy as students read a variety of genres, including fiction, nonfiction, poetry, and drama; write a variety of compositions, including planning, drafting, editing, and revising based on feedback from their teacher and their peers; and engage in listening and speaking while building academic vocabulary.

IS English II
Course: 1450 Grade: 10 Credit: 1

Prerequisites: *Acceptance into the IB program*

Description: This course incorporates the components of balanced literacy as students read a variety of genres, including fiction, nonfiction, poetry, and drama; write a variety of compositions, including planning, drafting, editing, and revising based on feedback from their teacher and their peers; and engage in listening and speaking while building academic vocabulary.

IS Geometry
Course: 2562 Grade: 9-10 Credit: 1

Prerequisites: *Acceptance into the IB program; Algebra I IS or, with staff recommendation, Algebra I Pre-AP or Algebra I*

Description: This course addresses all Geometry TEKS and focuses on geometric thinking and spatial reasoning; geometric figures and their properties. Students will learn techniques to solve meaningful problems by representing and transforming figures and analyzing relationships.

IS Algebra II
Course: 2559 Grade: 9-10 Credit: 1

Prerequisites: *Acceptance into the IB program; IS Algebra I, or, with staff recommendation, Algebra I P-AP or Algebra I*

Description: This course addresses all Algebra II TEKS and focuses on algebraic thinking and symbolic reasoning; functions, equations, and their relationship; the relationship between algebra and geometry; representations, tools, and techniques model mathematical situations to solve meaningful problems; and the necessary underlying mathematical processes of advanced algebra.

IS Biology
Course: 3193 Grade: 9 Credit: 1

Prerequisites: *Acceptance into the IB program*

Description: The IS Biology course is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based

investigations as they explore the following topics: evolution, cellular processes—energy and communication, genetics, information transfer, ecology, and interaction

IS Chemistry
Course: 3213 Grade: 9-10 Credit: 1

Prerequisites: *Acceptance into the IB program*

Description: The IS Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. This course enables interested students to undertake, second-year work in the chemistry sequence during their first year.

IS Spanish III
Course: 3557 Grade: 9 Credit: 1

Prerequisites: *Acceptance into the IB program; Spanish 2 or equivalent, or World Languages Director approval*

Description: This course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. This course is designed for students who possess a degree of knowledge and experience in the Spanish language.

IS French III
Course: 3615 Grade: 9-10 Credit: 1

Prerequisites: *Acceptance into the IB program, French 1 & 2*

Description: This course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. This course is designed for students who possess a degree of knowledge and experience in the French language.

IB English: Literature Higher Level
Course: 1429 Grade: 11 Credit: 0.5

Prerequisites: *Acceptance into the IB program; IS English I, IS English II*

Description: This course develops an understanding of the techniques involved in literary criticism and promotes the ability to form independent literary judgments. Students will have exposure to a range of texts and cultural perspectives. This course is taught at a higher level of rigor and promotes in depth analysis and empowers students to support an argument in clearly expressed writing.

IB English: Literature Higher Level
Course: 1430 Grade: 11 Credit: 0.5

Prerequisites: *Acceptance into the IB program; IS English I, IS English II*

Description: This course develops an understanding of the techniques involved in literary criticism and promotes the ability to form independent literary judgments. Students will have exposure to a range of texts and cultural perspectives. This course is taught at a higher level of rigor and promotes in depth analysis and empowers students to support an argument in clearly expressed writing.

IB English: Literature Higher Level
Course: 1431 Grade: 12 Credit: 0.5

Prerequisites: *Acceptance into the IB program; IS English I, IS English II*

Description: This course develops an understanding of the techniques involved in literary criticism and promotes the ability to form independent literary judgments. Students will have exposure to a range of texts and cultural perspectives. This course is taught at a higher level of rigor and promotes in depth analysis and empowers students to support an argument in clearly expressed writing.

IB English: Literature Higher Level
Course: 1432 Grade: 12 Credit: 0.5

Prerequisites: *Acceptance into the IB program; IS English I, IS English II*

Description: This course develops an understanding of the techniques involved in literary criticism and promotes the ability to form independent literary judgments. Students will have exposure to a range of texts and cultural perspectives. This course is taught at a higher level of rigor and promotes in depth analysis and empowers students to support an argument in clearly expressed writing.

IB English: Language and Literature Higher Level
Course: 1433 Grade: 11 Credit: 0.5

Prerequisites: *Acceptance into the IB program & actively pursuing the IB diploma; IS English I & IS English II*

Description: This course aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can relate to culturally determined reading practices. This course is taught at a higher level

of rigor and encourages students to question the meaning generated by language and texts.

IB English: Language and Literature Higher Level
Course: 1434 Grade: 11 Credit: 0.5

Prerequisites: *Acceptance into the IB program & actively pursuing the IB diploma; IS English I & IS English II*

Description: This course aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can relate to culturally determined reading practices. This course is taught at a higher level of rigor and encourages students to question the meaning generated by language and texts.

IB English: Language and Literature Higher Level
Course: 1435 Grade: 12 Credit: 0.5

Prerequisites: *Acceptance into the IB program & actively pursuing the IB diploma; IS English I & IS English II*

Description: This course aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can relate to culturally determined reading practices. This course is taught at a higher level of rigor and encourages students to question the meaning generated by language and texts.

IB English: Language and Literature Higher Level
Course: 1436 Grade: 12 Credit: 0.5

Prerequisites: *Acceptance into the IB program & actively pursuing the IB diploma; IS English I & IS English II*

Description: This course aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can relate to culturally determined reading practices. This course is taught at a higher level of rigor and encourages students to question the meaning generated by language and texts.

IB History of the Americas & 20th Century World History Topics Higher Level
Course: 2148 Grade: 11 Credit: 0.5

Prerequisites: *Acceptance into the IB program; two years of HS Social Studies*

Description: The is a world history course based on a comparative and multi-perspective approach to history. It involves the study of a variety of types of history, including political, economic, social and cultural, and provides a balance of structure and flexibility. This course emphasizes the importance of encouraging students to think historically and to develop historical skills as well as gaining factual knowledge.

IB History of the Americas & 20th Century World History Topics Higher Level
Course: 2149 Grade: 11 Credit: 0.5

Prerequisites: *Acceptance into the IB program; two years of HS Social Studies*

Description: The is a world history course based on a comparative and multi-perspective approach to history. It involves the study of a variety of types of history, including political, economic, social and cultural, and provides a balance of structure and flexibility. This course emphasizes the importance of encouraging students to think historically and to develop historical skills as well as gaining factual knowledge.

IB History of the Americas & 20th Century World History Topics Higher Level
Course: 2150 Grade: 12 Credit: 0.5

Prerequisites: *Acceptance into the IB program; two years of HS Social Studies*

Description: The is a world history course based on a comparative and multi-perspective approach to history. It involves the study of a variety of types of history, including political, economic, social and cultural, and provides a balance of structure and flexibility. This course emphasizes the importance of encouraging students to think historically and to develop historical skills as well as gaining factual knowledge.

IB History of the Americas & 20th Century World History Topics Higher Level
Course: 2151 Grade: 12 Credit: 0.5

Prerequisites: *Acceptance into the IB program; two years of HS Social Studies*

Description: The is a world history course based on a comparative and multi-perspective approach to history. It involves the study of a variety of types of history, including political, economic, social and cultural, and provides a balance of structure and flexibility. This course emphasizes the importance of encouraging students to think historically and to develop historical skills as well as gaining factual knowledge.

IB Biology Standard Level
Course: 3171 Grade: 11 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Biology is the study of life. The vast diversity of species makes biology both an endless source of fascination and a considerable challenge. Students in this course will learn how scientists work and communicate with each other. In this course, students will design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings.

IB Biology Standard Level
Course: 3172 Grade: 11 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Biology is the study of life. The vast diversity of species makes biology both an endless source of fascination and a considerable challenge. Students in this course will learn how scientists work and communicate with each other. In this course, students will design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings.

IB Biology Standard Level
Course: 3173 Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Biology is the study of life. The vast diversity of species makes biology both an endless source of fascination and a considerable challenge. Students in this course will learn how scientists work and communicate with each other. In this course, students will design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings.

IB Biology Standard Level
Course: 3174 Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Biology is the study of life. The vast diversity of species makes biology both an endless source of fascination and a considerable challenge. Students in this course will learn how scientists work and communicate with each other. In this course, students will design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings.

IB Biology Higher Level
Course: 3177 Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Biology is the study of life. The vast diversity of species makes biology both an endless source of fascination and a considerable challenge. Students in this course will learn how scientists work and communicate with each other. In this course, students will design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings. This course is taught at a higher level of rigor.

IB Biology Higher Level
Course: 3178 Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Biology is the study of life. The vast diversity of species makes biology both an endless source of fascination and a considerable challenge. Students in this course will learn how scientists work and communicate with each other. In this course, students will design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings. This course is taught at a higher level of rigor.

IB Chemistry Standard Level
Course: 3180 Grade: 11 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Chemistry is an experimental science that combines academic study with the acquisition of practical and investigational skills. This course allows students to develop a wide range of practical skills and incorporates mathematics. Students develop interpersonal and information technology skills and become aware of how scientists work and communicate with each other. In this course, students will have the opportunity to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings.

IB Chemistry Standard Level

Course: 3181 Grade: 11 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Chemistry is an experimental science that combines academic study with the acquisition of practical and investigational skills. This course allows students to develop a wide range of practical skills and incorporates mathematics. Students develop interpersonal and information technology skills and become aware of how scientists work and communicate with each other. In this course, students will have the opportunity to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings.

IB Chemistry Standard Level

Course: 3182 Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Chemistry is an experimental science that combines academic study with the acquisition of practical and investigational skills. This course allows students to develop a wide range of practical skills and incorporates mathematics. Students develop interpersonal and information technology skills and become aware of how scientists work and communicate with each other. In this course, students will have the opportunity to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings.

IB Chemistry Standard Level

Course: 3183 Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Chemistry is an experimental science that combines academic study with the acquisition of practical and investigational skills. This course allows students to develop a wide range of practical skills and incorporates mathematics. Students develop interpersonal and information technology skills and become aware of how scientists work and communicate with each other. In this course, students will have the opportunity to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings.

IB Chemistry Higher Level

Course: 3184 Grade: 11 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Chemistry is an experimental science that combines academic study with the acquisition of practical and investigational skills. This course allows students to develop a wide range of practical skills and incorporates mathematics. Students develop interpersonal and information technology skills and become aware of how scientists work and communicate with each other. In this course, students will have the opportunity to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings. This course is taught at a higher level of rigor.

IB Chemistry Higher Level

Course: 3185 Grade: 11 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Chemistry is an experimental science that combines academic study with the acquisition of practical and investigational skills. This course allows students to develop a wide range of practical skills and incorporates mathematics. Students develop interpersonal and information technology skills and become aware of how scientists work and communicate with each other. In this course, students will have the opportunity to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings. This course is taught at a higher level of rigor.

IB Chemistry Higher Level

Course: 3186 Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Chemistry is an experimental science that combines academic study with the acquisition of practical and investigational skills. This course allows students to develop a wide range of practical skills and incorporates mathematics. Students develop interpersonal and information technology skills and become aware of how scientists work and communicate with each other. In this course, students will have the opportunity to develop manipulative skills, design investigations, collect data, analyze results and evaluate

and communicate their findings. This course is taught at a higher level of rigor.

IB Chemistry Higher Level

Course: 3187 Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Chemistry is an experimental science that combines academic study with the acquisition of practical and investigational skills. This course allows students to develop a wide range of practical skills and incorporates mathematics. Students develop interpersonal and information technology skills and become aware of how scientists work and communicate with each other. In this course, students will have the opportunity to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings. This course is taught at a higher level of rigor.

IB Physics Standard Level

Course: 3300 Grade: 11 Credit: 0.5

Prerequisites: *IB Diploma programme student actively pursuing the IB diploma; have met all science requirements for graduation*

Description: This course is taught at the standard level of rigor and enables students to become more aware of how scientists work and communicate with each other. Students will have the opportunity to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings.

IB Physics Standard Level

Course: 3301 Grade: 11 Credit: 0.5

Prerequisites: *IB Diploma programme student actively pursuing the IB diploma; have met all science requirements for graduation*

Description: This course is taught at the standard level of rigor and enables students to become more aware of how scientists work and communicate with each other. Students will have the opportunity to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings.

IB Physics Standard Level

Course: 3302 Grade: 12 Credit: 0.5

Prerequisites: *IB Diploma programme student actively pursuing the IB diploma; have met all science requirements for graduation*

Description: This course is taught at the standard level of rigor and enables students to become more aware of how scientists work and communicate with each other. Students will have the opportunity to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings.

IB Physics Standard Level

Course: 3303 Grade: 12 Credit: 0.5

Prerequisites: *IB Diploma programme student actively pursuing the IB diploma; have met all science requirements for graduation*

Description: This course is taught at the standard level of rigor and enables students to become more aware of how scientists work and communicate with each other. Students will have the opportunity to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings.

IB Environmental Systems and Societies Standard Level

Course: 3300 Grade: 11 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Environmental systems and societies (ESS) is an interdisciplinary course taught at the standard level of rigor. This course is grounded in both a scientific exploration of environmental systems and the cultural, economic, ethical, political and social interactions of societies with the environment. As a result of studying this course, students will become equipped with the ability to recognize and evaluate the impact of our complex system of societies on the natural world.

IB Environmental Systems and Societies Standard Level

Course: 3301 Grade: 11 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Environmental systems and societies (ESS) is an interdisciplinary course taught at the standard level of rigor. This course is grounded in both a scientific exploration of environmental systems and the cultural, economic, ethical, political and social interactions of societies with the environment. As a result of studying this course, students will become equipped with the ability to recognize and evaluate the impact of our complex system of societies on the natural world.

IB Environmental Systems and Societies Standard Level
Course: 3302 Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Environmental systems and societies (ESS) is an interdisciplinary course taught at the standard level of rigor. This course is grounded in both a scientific exploration of environmental systems and the cultural, economic, ethical, political and social interactions of societies with the environment. As a result of studying this course, students will become equipped with the ability to recognize and evaluate the impact of our complex system of societies on the natural world.

IB Environmental Systems and Societies Standard Level
Course: 3303 Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Environmental systems and societies (ESS) is an interdisciplinary course taught at the standard level of rigor. This course is grounded in both a scientific exploration of environmental systems and the cultural, economic, ethical, political and social interactions of societies with the environment. As a result of studying this course, students will become equipped with the ability to recognize and evaluate the impact of our complex system of societies on the natural world.

IB Computer Science Higher Level – MATH (Fall)
Course: TBD Grade: 11 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma. Computer Science I and Algebra II recommended*

Description: This course emphasizes computer programming language and which are critical elements necessary to develop higher-level skills applicable to virtually all fields of study. Computational thinking lies at hte hear of this course and is integrated with other topics. Students will have exposure to databases, modeling, simulations, webscience, and object oriented programming. Algorithimic thinking expressed as pseudo-code will also be emphasized. This course can be used as a math credit and must be reported as dual enrollment with the IB Computer Science HL (LOTE) Course.

IB Computer Science Higher Level – MATH (Spring)
Course: TBD Grade: 11 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma. Computer Science I and Algebra II recommended*

Description: This course emphasizes computer programming language and which are critical elements necessary to develop higher-level skills applicable to virtually all fields of study. Computational thinking lies at hte hear of this course and is integrated with other topics. Students will have exposure to databases, modeling, simulations, webscience, and object oriented programming. Algorithimic thinking expressed as pseudo-code will also be emphasized. This course can be used as a math credit and must be reported as dual enrollment with the IB Computer Science HL (LOTE) Course.

IB Computer Science Higher Level – LOTE (Fall)
Course: TBD Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma. Computer Science I and Algebra II recommended*

Description: This course emphasizes computer programming language and which are critical elements necessary to develop higher-level skills applicable to virtually all fields of study. Computational thinking lies at hte hear of this course and is integrated with other topics. Students will have exposure to databases, modeling, simulations, webscience, and object oriented programming. Algorithimic thinking expressed as pseudo-code will also be emphasized. This course can be used as a LOTE credit and must be reported as dual enrollment with the IB Computer Science HL (Math) Course.

IB Computer Science Higher Level – LOTE (Spring)
Course: TBD Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma. Computer Science I and Algebra II recommended*

Description: This course emphasizes computer programming language and which are critical elements necessary to develop higher-level skills applicable to virtually all fields of study. Computational thinking lies at hte hear of this course and is integrated with other topics. Students will have exposure to databases, modeling, simulations, webscience, and object oriented programming. Algorithimic thinking expressed as pseudo-code will also be emphasized. This course can be used as a LOTE credit and must be reported as dual enrollment with the IB Computer Science HL (Math) Course.

IB Math Applications Standard Level
Course: 2672 Grade: 11 Credit: 0.5

Prerequisites: *Geometry, Algebra II and students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma*

Description: This course exposes students to Algebra, Function and Equations, Circular Functions and Trigonometry, `Vectors, Statistics and Probability and Calculus in a comprehensible way. Students apply their acquired mathematical knowledge to realistic problems set in proper context.

IB Math Applications Standard Level
Course: 2673 Grade: 11 Credit: 0.5

Prerequisites: *Geometry, Algebra II and students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma*

Description: This course exposes students to Algebra, Function and Equations, Circular Functions and Trigonometry, `Vectors, Statistics and Probability and Calculus in a comprehensible way. Students apply their acquired mathematical knowledge to realistic problems set in proper context.

IB Math Applications Standard Level
Course: 2674 Grade: 12 Credit: 0.5

Prerequisites: *Geometry, Algebra II and students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma*

Description: This course exposes students to Algebra, Function and Equations, Circular Functions and Trigonometry, `Vectors, Statistics and Probability and Calculus in a comprehensible way. Students apply their acquired mathematical knowledge to realistic problems set in proper context.

IB Math Applications Standard Level
Course: 2675 Grade: 12 Credit: 0.5

Prerequisites: *Geometry, Algebra II and students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma*

Description: This course exposes students to Algebra, Function and Equations, Circular Functions and Trigonometry, `Vectors, Statistics and Probability and Calculus in a comprehensible way. Students apply their acquired mathematical knowledge to realistic problems set in proper context.

IB Math Applications Higher Level
Course: 2676 Grade: 11 Credit: 0.5

Prerequisites: *Geometry, Algebra II and students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma*

Description: This course is taught at higher level of rigor and exposes students to Algebra, Function and Equations, Circular Functions and Trigonometry, `Vectors, Statistics and Probability and Calculus in a comprehensible way. Students apply their acquired mathematical knowledge to realistic problems set in proper context.

IB Math Applications Higher Level
Course: 2677 Grade: 11 Credit: 0.5

Prerequisites: *Geometry, Algebra II and students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma*

Description: This course is taught at higher level of rigor and exposes students to Algebra, Function and Equations, Circular Functions and Trigonometry, `Vectors, Statistics and Probability and Calculus in a comprehensible way. Students apply their acquired mathematical knowledge to realistic problems set in proper context.

IB Math Applications Higher Level
Course: 2678 Grade: 12 Credit: 0.5

Prerequisites: *Geometry, Algebra II and students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma*

Description: This course is taught at higher level of rigor and exposes students to Algebra, Function and Equations, Circular Functions and Trigonometry, `Vectors, Statistics and Probability and Calculus in a comprehensible way. Students apply their acquired mathematical knowledge to realistic problems set in proper context.

IB Math Applications Higher Level
Course: 2679 Grade: 12 Credit: 0.5

Prerequisites: *Geometry, Algebra II and students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma*

Description: This course is taught at higher level of rigor and exposes students to Algebra, Function and Equations, Circular Functions and Trigonometry, `Vectors, Statistics and Probability and Calculus in a comprehensible way. Students apply their acquired mathematical knowledge to realistic problems set in proper context.

IB Math Analysis Standard Level
Course: 2664 Grade: 11 Credit: 0.5

Prerequisites: *Geometry, Algebra II and students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course places emphasis on the understanding of fundamental concepts and develops mathematical reasoning. Students will practice the application of mathematics and statistical techniques to gain an understanding of a wide variety of mathematical topics. Students will be equipped to solve problems in a variety of settings and develop sophisticated mathematical reasoning to enhance their critical thinking.

IB Math Analysis Standard Level
Course: 2665 Grade: 11 Credit: 0.5

Prerequisites: *Geometry, Algebra II and students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course places emphasis on the understanding of fundamental concepts and develops mathematical reasoning. Students will practice the application of mathematics and statistical techniques to gain an understanding of a wide variety of mathematical topics. Students will be equipped to solve problems in a variety of settings and develop sophisticated mathematical reasoning to enhance their critical thinking.

IB Math Analysis Standard Level
Course: 2666 Grade: 12 Credit: 0.5

Prerequisites: *Geometry, Algebra II and students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course places emphasis on the understanding of fundamental concepts and develops mathematical reasoning. Students will practice the application of mathematics and statistical techniques to gain an understanding of a wide variety of mathematical topics. Students will be equipped to solve problems in a variety of settings and develop sophisticated mathematical reasoning to enhance their critical thinking.

IB Math Analysis Standard Level
Course: 2667 Grade: 12 Credit: 0.5

Prerequisites: *Geometry, Algebra II and students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course places emphasis on the understanding of fundamental concepts and develops mathematical reasoning. Students will practice the application of mathematics and statistical techniques to gain an understanding of a wide variety of mathematical topics. Students will be equipped to solve problems in a variety of settings and develop sophisticated mathematical reasoning to enhance their critical thinking.

IB Math Analysis Higher Level
Course: 2668 Grade: 11 Credit: 0.5

Prerequisites: *Geometry, Algebra II and students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course is taught at a high level of rigor and places emphasis on the understanding of fundamental concepts and develops mathematical reasoning. Students will practice the application of

mathematics and statistical techniques to gain an understanding of a wide variety of mathematical topics. Students will be equipped to solve problems in a variety of settings and develop sophisticated mathematical reasoning to enhance their critical thinking.

IB Math Analysis Higher Level
Course: 2669 Grade: 11 Credit: 0.5

Prerequisites: *Geometry, Algebra II and students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course is taught at a high level of rigor and places emphasis on the understanding of fundamental concepts and develops mathematical reasoning. Students will practice the application of mathematics and statistical techniques to gain an understanding of a wide variety of mathematical topics. Students will be equipped to solve problems in a variety of settings and develop sophisticated mathematical reasoning to enhance their critical thinking.

IB Math Analysis Higher Level
Course: 2670 Grade: 12 Credit: 0.5

Prerequisites: *Geometry, Algebra II and students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course is taught at a high level of rigor and places emphasis on the understanding of fundamental concepts and develops mathematical reasoning. Students will practice the application of mathematics and statistical techniques to gain an understanding of a wide variety of mathematical topics. Students will be equipped to solve problems in a variety of settings and develop sophisticated mathematical reasoning to enhance their critical thinking.

IB Math Analysis Higher Level
Course: 2671 Grade: 12 Credit: 0.5

Prerequisites: *Geometry, Algebra II and students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course is taught at a high level of rigor and places emphasis on the understanding of fundamental concepts and develops mathematical reasoning. Students will practice the application of mathematics and statistical techniques to gain an understanding of a wide variety of mathematical topics. Students will be equipped to solve problems in a variety of settings and develop sophisticated mathematical reasoning to enhance their critical thinking.

IB Language: AB Initio French Standard Level
Course: 3736 Grade: 11 Credit: 0.5

Prerequisites: *Acceptance into the IB Program*

Description: This course is intended for students with no previous experience, or very little exposure to the French language. Students will develop their receptive, productive and interactive skills while learning how to communicate in French in familiar and unfamiliar contexts.

IB Language: AB Initio French Standard Level
Course: 3737 Grade: 11 Credit: 0.5

Prerequisites: *Acceptance into the IB Program*

Description: This course is intended for students with no previous experience, or very little exposure to the French language. Students will develop their receptive, productive and interactive skills while learning how to communicate in French in familiar and unfamiliar contexts.

IB Language: AB Initio French Standard Level
Course: 3738 Grade: 12 Credit: 0.5

Prerequisites: *Acceptance into the IB Program*

Description: This course is intended for students with no previous experience, or very little exposure to the French language. Students will develop their receptive, productive and interactive skills while learning how to communicate in French in familiar and unfamiliar contexts.

IB Language: AB Initio French Standard Level
Course: 3739 Grade: 12 Credit: 0.5

Prerequisites: *Acceptance into the IB Program*

Description: This course is intended for students with no previous experience, or very little exposure to the French language. Students will develop their receptive, productive and interactive skills while learning how to communicate in French in familiar and unfamiliar contexts.

IB Language: AB Initio Spanish Standard Level
Course: 3991 Grade: 11 Credit: 0.5

Prerequisites: *Acceptance into the IB Program*

Description: This course is intended for students with no previous experience, or very little exposure to the Spanish language. Students will develop their receptive, productive and interactive skills while learning how to communicate in Spanish in familiar and unfamiliar contexts.

IB Language: AB Initio Spanish Standard Level
Course: 3992 Grade: 11 Credit: 0.5

Prerequisites: *Acceptance into the IB Program*

Description: This course is intended for students with no previous experience, or very little exposure to the Spanish language. Students will develop their receptive, productive and interactive skills while learning how to communicate in Spanish in familiar and unfamiliar contexts.

IB Language: AB Initio Spanish Standard Level
Course: 3993 Grade: 12 Credit: 0.5

Prerequisites: *Acceptance into the IB Program*

Description: This course is intended for students with no previous experience, or very little exposure to the Spanish language. Students will develop their receptive, productive and interactive skills while learning how to communicate in Spanish in familiar and unfamiliar contexts.

IB Language: AB Initio Spanish Standard Level
Course: 3994 Grade: 12 Credit: 0.5

Prerequisites: *Acceptance into the IB Program*

Description: This course is intended for students with no previous experience, or very little exposure to the Spanish language. Students will develop their receptive, productive and interactive skills while learning how to communicate in Spanish in familiar and unfamiliar contexts.

IB Language: French Standard Level
Course: 3492 Grade: 11 Credit: 0.5

Prerequisites: *Acceptance into the IB program; French 3 or equivalent, or World Languages Director approval*

Description: This course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. This course is designed for students who possess a degree of knowledge and experience in the French language.

IB Language: French Standard Level
Course: 3493 Grade: 11 Credit: 0.5

Prerequisites: *Acceptance into the IB program; French 3 or equivalent, or World Languages Director approval*

Description: This course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. This course is designed for students who possess a degree of knowledge and experience in the French language.

IB Language: French Standard Level
Course: 3494 Grade: 12 Credit: 0.5

Prerequisites: *Acceptance into the IB program; French 3 or equivalent, or World Languages Director approval*

Description: This course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. This course is designed for students who possess a degree of knowledge and experience in the French language.

IB Language: French Standard Level
Course: 3495 Grade: 12 Credit: 0.5

Prerequisites: *Acceptance into the IB program; French 3 or equivalent, or World Languages Director approval*

Description: This course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. This course is designed for students who possess a degree of knowledge and experience in the French language.

IB Language: Spanish Standard Level
Course: 3680 Grade: 11 Credit: 0.5

Prerequisites: *Acceptance into the IB program; Spanish 3 or equivalent, or World Languages Director approval*

Description: This course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures

through the study of language. This course is designed for students who possess a degree of knowledge and experience in the Spanish language.

IB Language: Spanish Standard Level

Course: 3681 Grade: 11 Credit: 0.5

Prerequisites: *Acceptance into the IB program; Spanish 3 or equivalent, or World Languages Director approval*

Description: This course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. This course is designed for students who possess a degree of knowledge and experience in the Spanish language.

IB Language: Spanish Standard Level

Course: 3682 Grade: 12 Credit: 0.5

Prerequisites: *Acceptance into the IB program; Spanish 3 or equivalent, or World Languages Director approval*

Description: This course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. This course is designed for students who possess a degree of knowledge and experience in the Spanish language.

IB Language: Spanish Standard Level

Course: 3683 Grade: 12 Credit: 0.5

Prerequisites: *Acceptance into the IB program; Spanish 3 or equivalent, or World Languages Director approval*

Description: This course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. This course is designed for students who possess a degree of knowledge and experience in the Spanish language.

IB Dance Standard Level

Course: 8959 Grade: 11-12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course takes a holistic approach to dance, and embraces a variety of dance traditions and dance cultures—past, present and looking towards the future. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances.

IB Dance Standard Level

Course: 8960 Grade: 11-12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course takes a holistic approach to dance, and embraces a variety of dance traditions and dance cultures—past, present and looking towards the future. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances.

IB Dance Higher Level

Course: 8961 Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course takes a holistic approach to dance, and embraces a variety of dance traditions and dance cultures—past, present and looking towards the future. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. This course is taught at a higher level of rigor.

IB Dance Higher Level

Course: 8962 Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course takes a holistic approach to dance, and embraces a variety of dance traditions and dance cultures—past, present and looking towards the future. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. This course is taught at a higher level of rigor.

IB Film Standard Level

Course: 6503 Grade: 11-12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course aims to develop students' skills so that they become adept in both interpreting and making film texts. Through the study and analysis of film texts and exercises in film-making, the course explores film history, theory and socio-economic background. The course develops students' critical abilities, enabling them to appreciate the multiplicity of cultural and historical perspectives in film.

IB Film Standard Level

Course: 6504 Grade: 11-12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course aims to develop students' skills so that they become adept in both interpreting and making film texts. Through the study and analysis of film texts and exercises in film-making, the course explores film history, theory and socio-economic background. The course develops students' critical abilities, enabling them to appreciate the multiplicity of cultural and historical perspectives in film.

IB Film Higher Level

Course: 6505 Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course aims to develop students' skills so that they become adept in both interpreting and making film texts. Through the study and analysis of film texts and exercises in film-making, the course explores film history, theory and socio-economic background. The course develops students' critical abilities, enabling them to appreciate the multiplicity of cultural and historical perspectives in film. This course is taught at a higher level of rigor.

IB Film Higher Level

Course: 6506 Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course aims to develop students' skills so that they become adept in both interpreting and making film texts. Through the study and analysis of film texts and exercises in film-making, the course explores film history, theory and socio-economic background. The course develops students' critical abilities, enabling them to appreciate the multiplicity of cultural and historical perspectives in film. This course is taught at a higher level of rigor.

IB Music Standard Level

Course: 6507 Grade: 11-12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course is taught at a standard level of rigor and seeks to develop students' knowledge and potential as musicians, both personally and collaboratively. Students are required to study musical perception and actively listen to a wide range of music from different parts of the world, musical cultures and time periods. They also develop aural perception and understanding of music by learning about musical elements, including form and structure, notations, musical terminology, and context.

IB Music Standard Level

Course: 6508 Grade: 11-12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course is taught at a standard level of rigor and seeks to develop students' knowledge and potential as musicians, both personally and collaboratively. Students are required to study musical perception and actively listen to a wide range of music from different parts of the world, musical cultures and time periods. They also develop aural perception and understanding of music by learning about musical elements, including form and structure, notations, musical terminology, and context.

IB Music Higher Level

Course: 6509 Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course is taught at a high level or rigor and seeks to develop students' knowledge and potential as musicians, both personally and collaboratively. Students are required to study musical perception and actively listen to a wide range of music from different parts of the world, musical cultures and time periods. They also develop aural perception and understanding of music by learning about musical elements, including form and structure, notations, musical terminology, and context.

IB Music Higher Level

Course: 6510 Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: This course is taught at a high level or rigor and seeks to develop students' knowledge and potential as musicians, both personally and collaboratively. Students are required to study musical perception and actively listen to a wide range of music from different

parts of the world, musical cultures and time periods. They also develop aural perception and understanding of music by learning about musical elements, including form and structure, notations, musical terminology, and context.

IB Visual Art Standard Level

Course: 6499 Grade: 11 Credit: 0.5

Prerequisites: *IB student pursuing an IB Diploma; must take Art I prior to entering IB Art.*

Description: This course encourages students to challenge their own creative and cultural expectations and boundaries. Students will develop analytical skills through problem solving and divergent thinking. IB Visual Arts develops technical proficiency and allows students to explore and compare visual art from different perspectives and in different contexts. This course is intended for students who want to go on to study visual arts in higher education and is taught at the standard level of rigor.

IB Visual Art Standard Level

Course: 6500 Grade: 11 Credit: 0.5

Prerequisites: *IB student pursuing an IB Diploma; must take Art I prior to entering IB Art.*

Description: This course encourages students to challenge their own creative and cultural expectations and boundaries. Students will develop analytical skills through problem solving and divergent thinking. IB Visual Arts develops technical proficiency and allows students to explore and compare visual art from different perspectives and in different contexts. This course is intended for students who want to go on to study visual arts in higher education and is taught at the standard level of rigor.

IB Visual Art Higher Level

Course: 6501 Grade: 12 Credit: 0.5

Prerequisites: *IB student pursuing an IB Diploma; must take Art I prior to entering IB Art.*

Description: This course encourages students to challenge their own creative and cultural expectations and boundaries. Students will develop analytical skills through problem solving and divergent thinking. IB Visual Arts develops technical proficiency and allows students to explore and compare visual art from different perspectives and in different contexts. This course is intended for students who want to go on to study visual arts in higher education and is taught at high levels of rigor.

IB Visual Art Higher Level

Course: 6502 Grade: 12 Credit: 0.5

Prerequisites: *IB student pursuing an IB Diploma; must take Art I prior to entering IB Art.*

Description: This course encourages students to challenge their own creative and cultural expectations and boundaries. Students will develop analytical skills through problem solving and divergent thinking. IB Visual Arts develops technical proficiency and allows students to explore and compare visual art from different perspectives and in different contexts. This course is intended for students who want to go on to study visual arts in higher education and is taught at high levels of rigor.

IB Psychology Standard Level

Course: 2413 Grade: 11 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: The IB Diploma Programme psychology course aims to develop an awareness of how research findings can be applied to better understand human behavior and how ethical practices are upheld in psychological inquiry. Students learn to understand the biological, cognitive and sociocultural influences on human behavior and explore alternative explanations of behavior. They also understand and use diverse methods of psychological inquiry.

IB Psychology Standard Level

Course: 2414 Grade: 11 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: The IB Diploma Programme psychology course aims to develop an awareness of how research findings can be applied to better understand human behavior and how ethical practices are upheld in psychological inquiry. Students learn to understand the biological, cognitive and sociocultural influences on human behavior and explore alternative explanations of behavior. They also understand and use diverse methods of psychological inquiry.

IB Psychology Standard Level
Course: 2415 Grade: 12 Credit: 0.5

Prerequisites: *Students must be*

admitted to the IB Diploma Program and actively pursuing the IB Diploma.

Description: The IB Diploma Programme psychology course aims to develop an awareness of how research findings can be applied to better understand human behavior and how ethical practices are upheld in psychological inquiry. Students learn to understand the biological, cognitive and sociocultural influences on human behavior and explore alternative explanations of behavior. They also understand and use diverse methods of psychological inquiry.

IB Psychology Standard Level
Course: 2416 Grade: 12 Credit: 0.5

Prerequisites: *Students must be*

admitted to the IB Diploma Program and actively pursuing the IB Diploma.

Description: The IB Diploma Programme psychology course aims to develop an awareness of how research findings can be applied to better understand human behavior and how ethical practices are upheld in psychological inquiry. Students learn to understand the biological, cognitive and sociocultural influences on human behavior and explore alternative explanations of behavior. They also understand and use diverse methods of psychological inquiry.

IB Psychology Higher Level
Course: 2417 Grade: 11 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: The IB Diploma Programme psychology course aims to develop an awareness of how research findings can be applied to better understand human behavior and how ethical practices are upheld in psychological inquiry. Students learn to understand the biological, cognitive and sociocultural influences on human behavior and explore alternative explanations of behavior. They also understand and use diverse methods of psychological inquiry. The level of rigor increases at the Higher Level.

IB Psychology Higher Level
Course: 2418 Grade: 11 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: The IB Diploma Programme psychology course aims to develop an awareness of how research findings can be applied to better understand human behavior and how ethical practices are upheld in psychological inquiry. Students learn to understand the biological, cognitive and sociocultural influences on human behavior and explore alternative explanations of behavior. They also understand and use diverse methods of psychological inquiry. The level of rigor increases at the Higher Level.

IB Psychology Higher Level
Course: 2419 Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: The IB Diploma Programme psychology course aims to develop an awareness of how research findings can be applied to better understand human behavior and how ethical practices are upheld in psychological inquiry. Students learn to understand the biological, cognitive and sociocultural influences on human behavior and explore alternative explanations of behavior. They also understand and use diverse methods of psychological inquiry. The level of rigor increases at the Higher Level.

IB Psychology Higher Level
Course: 2420 Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: The IB Diploma Programme psychology course aims to develop an awareness of how research findings can be applied to better understand human behavior and how ethical practices are upheld in psychological inquiry. Students learn to understand the biological, cognitive and sociocultural influences on human behavior and explore alternative explanations of behavior. They also understand and use diverse methods of psychological inquiry. The level of rigor increases at the Higher Level.

IB Theory of Knowledge
Course: 1463 Grade: 11 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Theory of knowledge (TOK) is a course about critical thinking and inquiring into the process of knowing, rather than about learning a specific body of knowledge. It plays a special role in the DP by providing an opportunity for students to reflect on the nature of knowledge, to make connections between areas of knowledge and to become aware of their own perspectives and those of the various groups whose knowledge they share.

IB Theory of Knowledge
Course: 1464 Grade: 12 Credit: 0.5

Prerequisites: *Students must be admitted to the IB Diploma Program and actively pursuing the IB Diploma.*

Description: Theory of knowledge (TOK) is a course about critical thinking and inquiring into the process of knowing, rather than about learning a specific body of knowledge. It plays a special role in the DP by providing an opportunity for students to reflect on the nature of knowledge, to make connections between areas of knowledge and to become aware of their own perspectives and those of the various groups whose knowledge they share.