

Keller Independent School District

HIGH SCHOOL ACADEMIC PLANNING GUIDE

2026-2027



KELLER

INDEPENDENT SCHOOL DISTRICT

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Assistant Superintendent of Secondary Schools | Dr. Sarah Guerrero

HIGH SCHOOLS

Central High School

Principal: Kathleen Eckert

Phone: 817-744-2000

Fossil Ridge High School

Principal: Amanda Burruel

Phone: 817-744-1700

Keller High School

Principal: Lisa Simmons

Phone: 817-744-1400

Timber Creek High School

Principal: Christina Benhoff

Phone: 817-744-2300

Keller Center for Advanced Learning

Principal: Lee Parker

Phone: 817-743-8000

Keller Collegiate Academy

Interim Principal: Josh Boyd

Phone: 817-744-3800

Keller Compass Center

Principal: Joe Baker

Phone: 817-744-4465

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ASSURANCE OF NONDISCRIMINATION

ASSURANCE OF NONDISCRIMINATION

Rev. 07/25/25

Keller ISD does not discriminate on the basis of race, religion, color, national origin, sex, disability, or age in providing education services, activities, and programs, including vocational programs, and also provides equal access to the Boy Scouts and other designated youth groups, in accordance with Title VI of the *Civil Rights Act of 1964*, as amended; Title IX of the *Educational Amendments of 1972*; Section 504 of the *Rehabilitation Act of 1973*, as amended; *Age Discrimination Act of 1975*; Title II of the *Americans with Disabilities Act*; and the *Boy Scouts of America Equal Access Act*.

The following district staff members have been designated to coordinate compliance with these legal requirements:

Title IX Coordinator, for concerns regarding discrimination based on sex:

Sheri Rich
Director of Employee Benefits
350 Keller Parkway, Keller, TX 76248
817-744-1000
Sheri.Rich@kellerisd.net

Section 504 Coordinator, for concerns regarding discrimination based on disability:

Leigh Cook
Director of State and Federal Programs
350 Keller Parkway, Keller, TX 76248
817-744-1000
Leigh.Cook@kellerisd.net

Americans with Disabilities Act (ADA) Coordinator, for concerns regarding discrimination based on disability:

Sheri Rich
Director of Employee Benefits
350 Keller Parkway, Keller, TX 76248
817-744-1000
Sheri.Rich@kellerisd.net

All other concerns regarding discrimination:

Dr. Cory Wilson
Superintendent
350 Keller Parkway, Keller, TX 76248
817-744-1000
Cory.wilson@kellerisd.net

All complaints shall be handled through established channels and procedures beginning with the building principal, followed by an appeal to the appropriate central administration contact, and finally the board of trustees, in accordance with Policy FNG.

If you need the assistance of the Office for Civil Rights (OCR) of the Department of Education, the address of the OCR Regional Office that covers Texas is:

*Dallas Office
Office for Civil Rights U.S. Department of Education
1999 Bryan Street, Suite 1620
Dallas, TX 75201-6810
Telephone: (214) 661-9600
Facsimile: (214) 661-9587
Email: OCR.Dallas@ed.gov*

GENERAL INFORMATION

Some courses listed in this guide may not be offered due to low enrollment. Because of scheduling conflicts and classes closing, a student may not be able to register for every course he/she plans to take during a semester. For this reason, the student should have in mind alternate courses in case the first choice is not available. Please note that all courses will not be offered every semester of every year.

Enrollment

A student enrolling in the district for the first time must be accompanied by his/her parents or legal guardian and must provide satisfactory evidence of required immunization, proof of residency (utility bill or lease agreement), and a withdrawal form from the previous school.

To complete admission, the following demographic information is necessary: social security number, home address, home phone, mother's name, place of business and work phone, father's name, place of business and work phone. Also, a friend or relative's name and number in case of an emergency is

required. Proof of residency will be required every year. An email address will assist in communication between home and school.

High School Classification

Students are classified according to the number of credits they have earned and their year in high school. Required classification credits are listed below.

- **Freshman** - 0 to 5.5 credits
- **Sophomore** - 6 to 11.5 credits
- **Junior** - 12 to 17.5 credits
- **Senior** - 18+ credits

Transfer Students

Out of state transfer students must complete all state and local graduation requirements to be eligible for a Texas diploma. Incoming transfer credits toward graduation will be accepted from accredited public schools and from private or parochial schools accredited by an association recognized by the Texas Commissioner of Education.

ADVANCED ACADEMICS

As students prepare for college and careers, KISD encourages them to participate in challenging academic courses, such as Honors, Advanced Placement (AP) or Dual Credit/Dual Enrollment. These course options provide students with the opportunity to experience college-level curriculum and expectations prior to attending college. This section of the course guide will provide insight on these course types to help select the most appropriate courses while in high school.

1.) Honors Courses

Academic courses that help prepare students for the content, learning strategies, and skills needed to succeed in Advanced Placement and dual enrollment courses.

2.) Advanced Placement (AP) Courses

Advanced Placement courses (AP) follow college-level curriculum in order to prepare students for participation and success on the AP Exam given at the end of each school year. By achieving a successful qualifying score on the AP Exam, a student may earn college credit from his/her respective college or university.

3.) Dual Enrollment (DE) Courses

By participating in a dual enrollment course, a student is working in college-level curriculum while in high school. However, dual enrollment means that there is a separate college course grade earned, and a separate high school course grade earned. The Tarleton Today program through Tarleton State University is an example of this course type. Each dual enrollment course in the guide will have the corresponding HS credit equivalent. Students will register for dual enrollment courses with Tarleton State University at the beginning of the school year after selecting the dual enrollment course for KISD.

4.) Dual Credit (DC) Courses

While in high school, students may earn credit for both college and high school by participating in and successfully completing a dual credit course. Dual credit means that the grade the student earns in the course will count for both college credit and high school credit. Students must meet admission requirements and potential prerequisites for the college to participate in dual credit courses, as well as meet the standard on the TSIA-2.

GRADES GRADE POINT AVERAGE & CLASS RANK

GPA Policy Chart

Graduation Year	2025+
MS courses for HS credit	INCLUDED in GPA calculation
GPA Scale	6.0
Course Weight	Regular courses maximum GPA 4.0

	<p>Honors/Dual Credit/Dual Enrollment courses maximum GPA 5.0</p> <p>AP/UT OnRamps courses maximum GPA 6.0</p>
<p>Courses used in Weighted GPA Calculation</p>	<p>Core and LOTE only (See Cohort 2025 GPA Weighted Course List below)</p> <p>Excludes:</p> <ul style="list-style-type: none"> Correspondence Courses Credit Recovery Local Credit Evening/Night School Summer School Credit Recovery Credit By Exam Courses taken as P/F Online courses outside of district other than TXVSN <p>*Unweighted GPA includes ALL courses taken for state HS credit except those graded as P/F</p> <p>Grades below 70 not included in calculation</p>
<p>Weighted GPA Exemptions for Class Rank</p>	<p>Beginning with the graduating class of 2028, courses in CTE Programs of Study that have no AP or honors level courses and are classified as English, mathematics, science, social studies, economics, or languages other than English courses are excluded from counting toward the weighted GPA for a student's class rank.</p>
<p>Top 10%/GPA Posting</p>	<p>Weighted GPA/Rank available each semester on transcript</p>

	GPA/Rank includes early graduates for that class
Date of Final Ranking	<p>End of 3rd 9 weeks in 12th</p> <p>The final 3rd 9 weeks grade will be treated as the semester 2 grade for purposes of final GPA and rank calculation</p> <p>Valedictorian/Salutatorian cannot be early graduates</p>

Keller ISD maintains decision making authority over any course submitted for GPA inclusion that has not been vetted.

Cohort 2025+ Weighted GPA Course List

The following courses within each content area are included in the calculation of class rank and weighted semester GPA and count towards graduation credits per TEA Chapter 74. Curriculum Requirements Subchapter B. Graduation Requirements. Additional information regarding state graduation credits may be found here: <http://ritter.tea.state.tx.us/rules/tac/chapter074/ch074b.html>

This list is updated annually and published within the course guide.

English

- English I, English I Honors or Sheltered English I
- English II, English II Honors or Sheltered English II
- English III, English III Blended, Dual English III, AP English III, AP English III, Sheltered English III
- English IV, English IV Blended, Dual English IV, AP English IV, AP English IV, Sheltered English IV
- Independent Study in English I
- Creative Writing
- Research and Technical Writing
- Debate III
- Independent Study in Speech
- Advanced Broadcast Journalism III
- Advanced Newspaper III
- Advanced Journalism: Yearbook III
- College Prep English

- Humanities I, Humanities II, Humanities III

Math

- Algebra I, Algebra I Honors or Sheltered Algebra I
- Geometry, Geometry Honors or Sheltered Geometry
- Math Models w/Applications
- Independent Study in Math
- Strategic Learning for High School Math
- Digital Electronics (Honors weight)
- Accounting II (Honors weight)
- Robotics II*
- Algebra II, Algebra II Honors or Sheltered Algebra II
- UT OnRamps College Algebra (AP weight), Dual College Algebra
- Precalculus, Honors Precalculus, AP Precalculus, UT OnRamps Precalculus (AP weight), Dual Precalculus
- Advanced Quantitative Reasoning
- Algebraic Reasoning or Sheltered Algebraic Reasoning
- Statistics, AP Statistics, Dual Statistics, UT OnRamps Statistics (AP weight)
- Statistics and Business Decision Making*
- College Prep Math
- Compacted Algebra II
- Double-blocked AP Calculus AB and AP Calculus BC
- Calculus
- AP Calculus AB
- AP Calculus BC
- Applied Math for Technical Professionals
- AP Computer Science A – Math

Science

- Biology, Biology Honors or Sheltered Biology
- Integrated Physics and Chemistry or Sheltered Integrated Physics and Chemistry
- Chemistry, Chemistry Honors, UT OnRamps Chemistry (AP weight) or Sheltered Chemistry
- Physics, UT OnRamps Physics (AP weight) or Sheltered Physics
- Principles of Technology
- AP Biology
- AP Chemistry
- AP Physics I
- AP Physics II

- AP Environmental Science
- AP Physics C: Electricity & Magnetism
- AP Physics C: Mechanics
- Aquatic Science
- Astronomy
- Earth System Science
- Engineering Design and Problem Solving (Honors weight)
- Environmental Systems, Sheltered Environmental Systems
- Advanced Animal Science, Advanced Animal Science Honors, Dual Advanced Animal Science
- Anatomy and Physiology, Anatomy and Physiology Honors, or Dual Anatomy and Physiology
- Medical Microbiology, Medical Microbiology Honors, or Dual Medical Microbiology
- Pathophysiology, Pathophysiology Honors, or Dual Pathophysiology
- Forensic Science, Forensic Science Honors
- SRD: Unmanned Aerial Vehicles*
- SRD: Veterinary Clinical Skills, SRD: Veterinary Clinical Skills Honors
- Engineering Science*

Social Studies

- World Geography, World Geography Honors, AP Human Geography, or Sheltered World Geography
- World History, AP World History or Sheltered World History
- US History, US History Blended, Dual US History, AP US History, AP US History Blended, Sheltered US History
- US Government, US Government Blended, Dual US Government, AP US Government, AP Government Blended, AP Comparative Government
- Economics, Dual Macroeconomics, AP Microeconomics, AP Macroeconomics, AP Macroeconomics Blended
- Personal Financial Literacy and Economics
- Humanities I, Humanities II, Humanities III

Languages Other than English

- American Sign Language I, II, III, IV
- French I, French I Honors, French II, French II Honors, French III Honors, Dual French III, AP French IV
- German I, German I Honors, German II, German II Honors, German III Honors, AP German IV, German V
- Latin I, Latin I Honors, Latin II, Latin II Honors, Latin III Honors, AP Latin IV
- Spanish I, Spanish I Honors, Spanish II, Spanish II Honors, Spanish III, Spanish III Honors, Dual Spanish III, AP Spanish IV, AP Spanish V

- Spanish for Native Speakers I, Spanish for Native Speakers II, Spanish for Native Speakers III, Spanish for Native Speakers IV
- Special Topics in Language and Culture
- AP Computer Science A – LOTE
- Computer Science I Honors, AP Computer Science – LOTE, Computer Science II (receives AP weight), Computer Science III (receives AP weight)

**Beginning with Graduating Class of 2028 (Freshmen for 2024-25 school year), course is excluded from counting toward weighted GPA for a student’s class rank, as there are no AP or honors level sections offered. See “Weighted GPA Exemptions for Class Rank” section of EIC(LOCAL).*

For Cohort 2025 and beyond, the district shall convert semester grades to grade points and shall calculate a weighted grade point average (GPA) in accordance with the following chart:

Grade	AP	Dual Credit / Honors	Regular
97–100	6.0	5.0	4.0
94–96	5.8	4.8	3.8
90–93	5.6	4.6	3.6
87–89	5.4	4.4	3.4
84–86	5.2	4.2	3.2
80–83	5.0	4.0	3.0
77–79	4.8	3.8	2.8
74–76	4.6	3.6	2.6

71-73	4.4	3.4	2.4
70	4.2	3.2	2.2

Standard Unweighted GPA Chart

Numerical Grade	Standard Unweighted GPA Conversion
97-100	4.0
94-96	3.8
90-93	3.6
87-89	3.4
84-86	3.2
80-83	3.0
77-79	2.8
74-76	2.6
71-73	2.4
70	2.2

*Grades below 70 are not calculated into the GPA.

*All courses taken for HS credit, excluding those graded as P/F, are included in the standard unweighted GPA calculation.

*KISD counselors report the standard unweighted GPA on college and scholarship applications.

Grade Reporting

The attendance law states that students must have 90% attendance in a high school course to receive credit in each course to meet the state's attendance law of course credit. A student must be present 90% of the days in each class during a semester. Numerical scores are used to report grades and a minimum grade average of 70 is required for receiving credit. Credit for a full year course is awarded on a semester-by-semester basis. Other courses offered locally, which are not among the state approved courses for grades 9-12, are not included in calculating grade point averages and class rank.

Transferred Grades

When a student transfers grades for properly documented courses, the district shall assign weight to those grades based on the categories and grade weight system used by the district if the same or equivalent courses are offered to the same class of students in the district.

The district shall convert letter grades earned in eligible courses to grade points, in accordance with the following chart, and shall calculate a weighted GPA, if applicable:

Letter Grade	Numerical Grade
A+	99
A	95
A-	92
B+	89
B	85
B-	82

C+	79
C	75
C-	73
D+	72
D	71
D-	70
F	65

A transfer student whose grades were recorded by letters may request specific numerical scores from his or her former school. Such a request shall be the responsibility of the student. The reporting of specific numerical grades to the high school must be by school to school, either on an official transcript document or on school letterhead stationery.

Class Ranking

Class ranking is the system of placing students in descending order according to their weighted grade point averages. Class ranks are assigned at each high school grade level at the end of each semester.

Graduation Rankings

Students who graduate in the top 10% of their high school class are eligible for automatic admission to institutions of higher education if they have completed the Foundation with Endorsement Distinguished Level of Achievement plan. Students who may, due to university policy, be eligible for automatic admission if they are in the top 25% of their graduating class must also complete the Foundation with Endorsement Distinguished plan. Colleges and universities may require additional courses for admission. Students should check with the institution they are interested in attending for any additional requirements.

Honor Graduates

- Student GPAs will be ranked to determine valedictorian (1st) and salutatorian (2nd). To be eligible for valedictorian or salutatorian honors, the student shall have attended a Keller Independent School District high school the entire senior year. If a tie exists, co-valedictorian or co-salutatorians will be declared.
- Transfer students shall receive honors grade credit and point values based on the same standards and policies, which govern students who complete equivalent courses in the district. Transfer students shall not receive additional grade point value for advanced, or honors courses taken outside the district for which an equivalent course was not available in the district to a student graduating the same year. Students who transfer in with a letter grade will receive the numerical equivalent based on board policy.

SCHEDULE CHANGES

Master schedules are developed in the spring prior to the upcoming year. Selections during registration indicate how many teachers and sections will be needed for a course. The process allows administrators to plan and to hire for optimum academic strength. When students are permitted to randomly change schedules, classes become overcrowded. As a result, all students are affected. Even the most effective planning is compromised. Very seldom does a one-course change affect only one course. Careful selection benefits everyone. Thank you for being a crucial part of our educational team as we work together for academic excellence.

Registration

- Parent and student informational meetings will be held during registration.
- Students will be guided through course selection.
- Students who do not complete registration will have a schedule arranged for them by their counselor according to their academic needs and/or graduation plan.

Add/Drop Date

- The last Friday before spring break will officially end the opportunity for course request changes for the following year.
- Only schedule changes pertaining to graduation plans and/or computer errors will be addressed during the following school year.
- A student who does not complete registration by the add/drop date will not be eligible for a schedule change.

GRADUATION REQUIREMENTS

Subject Area	Foundation with Endorsement	Distinguished Level of Achievement
<p>English Language Arts</p>	<p>Four credits:</p> <ul style="list-style-type: none"> - English I - English II - English III - Advanced English credit 	<p>Four credits:</p> <ul style="list-style-type: none"> - English I - English II - English III - Advanced English credit
<p>Mathematics</p>	<p>Four credits:</p> <ul style="list-style-type: none"> - Algebra I - Geometry - Advanced math credit - Advanced math credit 	<p>Four credits:</p> <ul style="list-style-type: none"> - Algebra I - Geometry - Algebra II - Advanced math credit
<p>Science</p>	<p>Four credits:</p> <ul style="list-style-type: none"> - Biology - IPC, Chemistry, or Physics - Advanced science credit - Advanced science credit 	<p>Four credits:</p> <ul style="list-style-type: none"> - Biology - IPC, Chemistry, or Physics - Advanced science credit - Advanced science credit
<p>Social Studies</p>	<p>Four credits:</p> <ul style="list-style-type: none"> -World Geography -World History -US History 	<p>Four credits:</p> <ul style="list-style-type: none"> -World Geography -World History -US History

	-US Government & Economics	-US Government & Economics
Physical Education	One credit	One credit
Languages Other Than English	Two credits in the same language	Two credits in the same language
Fine Arts	One credit	One credit
Speech	0.5 credit	0.5 credit
Electives	5.5 credits	5.5 credits
Endorsement	At least one of the following endorsements is required. See next page for the detailed KISD Programs of Study Guide.	
Arts and Humanities Endorsement	Includes courses directly related to World Language, English Literature, History and Fine Arts	
Business and Industry Endorsement	<p>Includes courses directly related to Accounting and Financial Services, Architectural Design, Automotive, Business Management, Construction Technology, Culinary Arts, Design & Multimedia Arts, Digital Communications, Electrical Technology, Floral Design, HVAC, Interior Design, Marketing, Networking & Cybersecurity, Plumbing Technology, Veterinary Studies, and Welding.</p> <p>Non CTE Programs of Study include Debate, Broadcast Journalism, and Yearbook.</p>	
Public Services Endorsement	Includes courses directly related to Cosmetology, Health Sciences, Law Enforcement, Education and Training	

STEM Endorsement	Includes courses directly related to Science, Technology, Computer Science, Engineering and Advanced Math	
Multidisciplinary Endorsement	Allows students to elect credits from the curriculum of each endorsement area and earn credits in a variety of advanced courses from multiple content areas.	
Total Credits	26 credits	26 credits

Arts and Humanities	Business and Industry	Public Services	STEM
<ul style="list-style-type: none"> • American Sign Language • Band • Choir • Dance • French • German • History • Orchestra • Social Sciences • Spanish • Technical Theatre • Theatre Production • Visual Arts: Drawing • Visual Arts: Digital Media • Visual Arts: Painting • Visual Arts: Sculpture 	<ul style="list-style-type: none"> • Accounting & Financial Services • Architectural Design • Automotive • Broadcast Journalism • Business Management • Construction Technology • Culinary Arts • Debate • Design & Multimedia Arts • Digital Communications • Electrical Technology • Floral Design • HVAC (Heating, Ventilation & AC) • Interior Design • Marketing • Networking & Cybersecurity • Plumbing Technology • Veterinary Studies • Welding • Yearbook 	<ul style="list-style-type: none"> • Cosmetology • Health Science: Medical Lab Assistant • Health Science: Certified Nursing Assistant • Health Science: Clinical Rotations • Health Science: Emergency Medical Technician • Health Science: Pharmacy • Health Science: Exercise Science & Sports Medicine • Law Enforcement • Legal Studies • Military Science (ROTC) • Teaching and Training 	<ul style="list-style-type: none"> • Biology • Chemistry • Networking & Cybersecurity • Engineering • Environmental Science • Math • Physics • Programming & Software Development

CTE PROGRAMS OF STUDY

<u>Business & Industry Endorsement</u>	<u>Public Services Endorsement</u>	<u>STEM Endorsement</u>
<ul style="list-style-type: none"> • Accounting & Financial Services • Architectural Design • Automotive • Business Management • Construction Technology • Culinary Arts • Design & Multimedia Arts • Digital Communications • Electrical Technology • Floral Design • HVAC (Heating, Ventilation & Air Conditioning) • Interior Design • Marketing • Networking & Cybersecurity • Plumbing Technology • Veterinary Studies • Welding 	<ul style="list-style-type: none"> • Cosmetology • Health Science: Medical Lab Assistant • Health Science: Certified Nursing Assistant • Health Science: Clinical Rotations • Health Science: Emergency Medical Technician • Health Science: Pharmacy • Health Science: Exercise Science & Sports Medicine • Law Enforcement • Legal Studies • Teaching and Training 	<ul style="list-style-type: none"> • Networking & Cybersecurity • Engineering • Programming & Software Development

Programs ONLY at the Keller Center for Advanced Learning (KCAL)

Program	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Architectural Design	Principles of Architecture	Architectural Design 1	Architectural Design 2	Practicum in Architectural Design	Civil Engineering (Design and Presentation II) SR&D: Unmanned Aerial Vehicles
Automotive	Automotive Basics	Automotive Technology 1	Automotive Technology 2	Practicum in Transportation Systems Career Prep 1	Introduction to Welding Computer Maintenance
Construction Technology	Principles of Construction	Construction Technology 1	Construction Technology 2	Practicum in Construction Technology	Introduction to Welding Entrepreneurship SR&D: Unmanned Aerial Vehicles
Electrical Technology	Principles of Construction	Electrical Technology 1	Electrical Technology 2	Practicum in Construction Technology	Introduction to Welding Construction Technology I Entrepreneurship
Heating, Ventilation, & Air Conditioning (HVAC)	Principles of Construction	HVAC 1 AND Electrical Technology 1	HVAC 2	Practicum in Construction Technology	Introduction to Welding Construction Technology I Entrepreneurship
Interior Design	Principles of Architecture	Interior Design 1	Interior Design 2	Practicum in Interior Design	Architectural Design I Civil Engineering (Design and Presentation II)
Networking & Cybersecurity	Principles of Information Technology	Networking	Cybersecurity Capstone AND Digital Forensics	Practicum in IT: Networking & Cybersecurity Practicum in IT: Internships	Computer Maintenance Computer Science 1 Honors
Plant Science	Principles of Agriculture, Food, & Natural Resources	Floral Design	Advanced Floral Design	Practicum in Agriculture, Food, & Natural Resources Career Prep 1	Agribusiness Management and Marketing

Programs ONLY at the Keller Center for Advanced Learning (KCAL)

Program	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Plumbing Technology	Principles of Construction	Plumbing Technology 1 AND Pipefitting Technology 1	Plumbing Technology 2	Practicum in Construction Technology	Introduction to Welding Construction Technology I Entrepreneurship
Programming & Software Development	Computer Science 1 Honors	AP Computer Science	Computer Science 2: Python Programming AND/OR Computer Science 3: Video Game Design	Practicum in IT: Video Game Design Practicum in IT: Internships	Computer Maintenance
Veterinary Studies	Principles of Agriculture, Food, & Natural Resources	Veterinary Science	SRD: Veterinary Clinical Skills AND Advanced Animal Science	Practicum in Agriculture, Food, & Natural Resources Career Prep 1 Livestock and Poultry Production Wildlife, Fisheries, & Ecology Management Small Animal Management AND Equine Science	Wildlife, Fisheries, & Ecology Management Small Animal Management Equine Science Livestock and Poultry Production Agribusiness Marketing & Management Introduction to Welding
Welding	Introduction to Welding	Welding 1	Welding 2	Practicum in Manufacturing	Construction Technology 1

Programs ONLY at home campus high schools (CHS, FRHS, KHS, TCHS)

Program	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Accounting & Finance	Principles of Business, Marketing, & Finance	Accounting 1	Foundations of Business Communication and Technologies AND Accounting 2 Honors	Practicum in Business Management	Entrepreneurship Money Matters Business Communication and Technologies Statistics & Business Decision Making
Business Management	Principles of Business, Marketing, & Finance	Foundations of Business Communication and Technologies OR Business Management	CHOOSE 2 OR MORE: Foundations of Business Communication and Technologies Business Communication and Technologies Business Management Statistics & Business Decision Making	Practicum in Business Management Business Management Statistics & Business Decision Making Business Communication and Technologies Career Prep 1	Entrepreneurship Money Matters
Marketing	Principles of Business, Marketing, & Finance	Advertising AND 1 or more from below: Social Media Marketing Sports & Entertainment Marketing Fashion Marketing	Advanced Marketing	Practicum in Marketing Statistics & Business Decision Making Career Prep 1	Entrepreneurship Money Matters Foundations of Business Communication and Technologies
Teaching & Training	Principles of Education & Training	Child Development	Instructional Practices	Practicum in Education & Training	Counseling and Mental Health

Programs split between home campus high schools and KCAL

Courses in **BLUE** are at KCAL; Courses in **BLACK** are at home campus

Program	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Cosmetology	N/A	Professional Communications AND Entrepreneurship	Cosmetology 1	Cosmetology 2 AND Practicum in Entrepreneurship	
Culinary Arts	Introduction to Culinary Arts	Culinary Arts	Advanced Culinary Arts	Practicum in Culinary Arts Career Prep 1	Lifetime Nutrition & Wellness
Design & Multimedia Arts	Principles of Arts, AV Technology, & Communications Animation 1 Graphic Design & Illustration 1	Animation 1 Graphic Design & Illustration 1 Animation 2/Lab Graphic Design & Illustration 2/Lab	Animation 1 Graphic Design & Illustration 1 Animation 2/Lab Graphic Design & Illustration 2/Lab Practicum in Animation Practicum in Graphic Design & Illustration	Animation 2/Lab Graphic Design & Illustration 2/Lab Practicum in Animation Practicum in Graphic Design & Illustration	Commercial Photography Social Media Marketing
Digital Communications	Principles of Arts, AV Technology, & Communications Audio/Video Production 1	Audio/Video Production 1 Audio/Video Production 2/Lab	Audio/Video Production 2/Lab Practicum in Audio/Video Production	Practicum in Audio/Video Production Practicum in Audio/Video Production 2	Commercial Photography SR&D: Unmanned Aerial Vehicles
Engineering	Engineering Design Process	Engineering Science	CHOOSE 2 or MORE: Aerospace Engineering (Design and Presentation I) Digital Electronics Honors Civil Engineering (Design and Presentation II) Robotics 1 SRD: Intro to Unmanned Aerial Vehicles	OPTION 1: Practicum in Engineering OPTION 2: Engineering Design & Problem Solving Honors AND 1 or more of the following: Robotics 2 Computer Integrated Manufacturing Aerospace Engineering (Design and Presentation I) Digital Electronics Honors Civil Engineering (Design and Presentation II)	Introduction to Welding

Programs split between home campus high schools and KCAL

Courses in **BLUE** are at KCAL; Courses in **BLACK** are at home campus

Program	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Health Science: Pharmacy	Medical Terminology	Health Science Theory	Anatomy & Physiology AND Pharmacology	Practicum in Health Science: Pharmacy Practicum in Health Science: Patient Care Technician (PCT) Practicum in Health Science: Clinical Medical Assistant (CMA)	Pathophysiology Medical Microbiology
Law Enforcement	Principles of Law, Public Safety, Corrections, & Security	Law Enforcement 1	Forensic Science AND Forensic Psychology	Practicum in Law: Law Enforcement	Court Systems & Practices
Legal Studies	Principles of Law, Public Safety, Corrections, & Security	Court Systems & Practices	Advanced Legal Skills and Professions	Practicum in Law: Legal Studies	Forensic Science Forensic Psychology

Middle School CTE Courses

Grade Level	Course	Credits	High school credit?	Course Number
7th Grade	Principles of STEM and Applied Engineering	1 Credit	Yes	0800
8th Grade	Introduction to Aerospace Engineering and Aviation	1 Credit	Yes	0802
7th/8th Grade	Digital Media	1 Credit	Yes	0370
8th Grade	Advisory - Project Based Research	1 Credit	Yes	8555
Virtual course through KISD iChoose	Entrepreneurship	1 Credit	Yes	Z0822X
Virtual course through KISD iChoose	Interpersonal Studies	.5 Credit	Yes	Z8823X
Virtual course through KISD iChoose	Principles of Business, Marketing & Finance	1 Credit	Yes	Z080X
Virtual course through KISD iChoose	Principles of Health Science	1 Credit	Yes	Z081X
Virtual course through KISD iChoose	Professional Communications	.5 Credit	Yes	Z0465X
Virtual course through KISD iChoose	Lifetime Nutrition & Wellness	.5 Credit	Yes	Z0825X
Virtual course through KISD iChoose	Touch System Data Entry	.5 Credit	Yes	Z0828X

Arts and Humanities Programs of Study ONLY at home campus high schools

Program	9th	10th	11th	12th
FINE ARTS				
Choir	Choir I	Choir II	Choir III	Choir IV
Band	Band I	Band II	Band III	Band IV
Orchestra	Orchestra I	Orchestra II	Orchestra III	Orchestra IV
Dance	Dance I	Dance II	Dance III	Dance IV
Drawing	Art I	Art II Drawing (Regular or Honors)	Art III Drawing Honors	AP Studio Art: Drawing Portfolio
Digital Media	Art I	Art II Digital Art and Media Honors	Art III Digital Art and Media Honors	AP Studio Art: 3-D Design Portfolio
Painting	Art I	Art II Painting Honors	Art III Painting Honors	AP Studio Art: 2-D Design Portfolio
Sculpture	Art I	Art II Sculpture Honors	Art III Sculpture Honors	AP Studio Art: 3-D Design Portfolio
Technical Theatre	Technical Theatre I	Technical Theatre II	Technical Theatre III AND One additional credit below: Theatre Production I; Musical Theatre I; Theatre III: Directing; Theatre III: Playwriting; or Acting/Camera	Technical Theatre IV AND one additional credit below: Theatre Production I Theatre Production II Musical Theatre I Musical Theatre II Theatre III: Directing Theatre III: Playwriting Acting/Camera
Theatre Production	Theatre I	Theatre Production I OR Theatre II OR Musical Theatre I	Theatre Production I OR Theatre III AND one additional credit below: Musical Theatre I Musical Theatre II Theatre III: Directing Theatre III: Playwriting Acting/Camera	Theatre Production III OR Theatre IV AND one additional credit below: Musical Theatre I Musical Theatre II Theatre III: Directing Theatre III: Playwriting Acting/Camera

Arts and Humanities Programs of Study ONLY at home campus high schools

Program	9th	10th	11th	12th
SOCIAL STUDIES				
History	World Geography (Regular or Honors) OR AP Human Geography	World History OR AP World History	US History OR Dual US History OR AP US History AND AP European History	US Government OR Dual US Government OR AP US Government AND Personal Financial Literacy
Social Sciences	World Geography (Regular or Honors) OR AP Human Geography	World History OR AP World History	US History OR Dual US History OR AP US History AND AP Psychology	US Government OR Dual US Government OR AP US Government AND Personal Financial Literacy
WORLD LANUAGES				
American Sign Language	American Sign Language I	American Sign Language II	American Sign Language III	American Sign Language IV
French	French I (Regular or Honors)	French II (Regular or Honors)	French III Honors	AP French IV
German	German I (Regular or Honors)	German II (Regular or Honors)	German III Honors	AP German IV
Spanish	Spanish I (Regular or Honors)	Spanish II (Regular or Honors)	Spanish III Honors	AP Spanish IV

Non CTE Business and Industry Programs of Study ONLY at home campus high schools

Program	9th	10th	11th	12th
Debate	Debate I	Debate II OR Oral Interpretation I	Debate III OR Oral Interpretation II	Independent Study in Speech
Broadcast Journalism	Contemporary Media	Advanced Broadcast Journalism I	Advanced Broadcast Journalism II	Advanced Broadcast Journalism III
Yearbook	Contemporary Media	Yearbook I	Yearbook II	Yearbook III

PERFORMANCE ACKNOWLEDGEMENTS

Performance acknowledgments require high performance beyond that expected of students in high school. Performance acknowledgments will be noted on the transcript. A Performance acknowledgment can be earned by completing one of the following:

Outstanding Performance in Dual Credit

1. Completion of at least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum, and advanced technical credit courses, including locally articulated courses, with a grade of the equivalent of 3.0 or higher on a scale of 4.0.
2. Earning an associate degree while in high school.

Outstanding Performance in Bilingualism and Biliteracy

1. By demonstrating proficiency in two or more languages by:
 - a. Completing all language arts requirements and maintaining a minimum GPA of the equivalent of 80% and by satisfying one of the following:
 - i. Completion of 3 credits in the same language other than English with a minimum GPA of the equivalent of 80%; or

- ii. Proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a language other than English with a minimum GPA of the equivalent of 80%; or
- iii. Completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of the equivalent of 80%; or
- iv. Demonstrated proficiency in one or more languages other than English through one of the following methods:
 - a. A score of 3 or higher on a College Board advanced placement examination for a language other than English; or
 - b. A score of 4 or higher on an International Baccalaureate (Transfer Students only) examination for a higher-level language other than English course; or
 - c. Performance on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent.

2. In addition to meeting the requirements of paragraph (1), to earn a performance acknowledgment in bilingualism and biliteracy, an English Language Learner (ELL) must also have:

- a. Participated in and met the exit criteria for a bilingual or English as a second language (ESL) program; and
- b. Scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).

Outstanding Performance on a College Board Advanced Placement Test or International Baccalaureate Examination

- 1. A score of 3, 4 or 5 on a College Board Advanced Placement Examination; or
- 2. A score of 4 or above on an International Baccalaureate examination (Transfer Students only) for a higher-level course.

Outstanding Performance on the PSAT, the ACT Aspire, the SAT or the ACT by:

- 1. Earning a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) that qualifies the student for recognition as a commended scholar or higher by the National Merit Scholarship Corporation or as an awardee of the National Recognition Programs of the College Board.
- 2. Earning a composite score of 442 on the ACT Aspire™ examination; or
- 3. Earning a composite score of 29 on the ACT PreACT® examination; or
- 4. Earning a total score of at least 1350 on the SAT®; or
- 5. Earning a composite score on the ACT® examination of 29 (excluding the writing sub score).

Nationally/Internationally Recognized Business or Industry Certification or License

- 1. Performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification; or

2. Performance on an examination sufficient to obtain a government-required credential to practice a profession.

NATIONAL MERIT SCHOLARSHIP PROGRAM

To participate in the National Merit Scholarship Program of the National Merit Scholarship Corporation (NMSC), a student must:

1. take the PSAT/NMSQT as a high school junior.
2. be enrolled as a high school student (traditional or home-schooled), progressing normally toward graduation or completion of high school, and planning to enroll full time in college no later than the fall following completion of high school; and
3. be a citizen of the United States; or be a US lawful permanent resident (or have applied for permanent residence, the application for which has not been denied) and intend to become a US citizen at the earliest opportunity allowed by law.

Program Recognition

Of the 1.6 million entrants, some 50,000 with the highest PSAT/NMSQT Selection Index scores (calculated by doubling the sum of the Reading, Writing and Language, and Math Test scores) qualify for recognition in the National Merit Scholarship Program. In September, these high scorers are notified through their schools that they have qualified as either a Commended Student or Semifinalist.

Commended Students

In late September, over two-thirds (about 34,000) of the approximately 50,000 high scorers on the PSAT/NMSQT receive Letters of Commendation for their outstanding academic promise. Commended Students are named based on a nationally applied Selection Index score that may vary from year to year and is typically below the level required for participants to be named Semifinalists. Although Commended Students do not continue in the competition for National Merit Scholarships, some of these students do become candidates for Special Scholarships sponsored by corporations and businesses.

Semifinalists

In early September, about 16,000 students, or approximately one-third of the 50,000 high scorers, are notified that they have qualified as Semifinalists. They are the highest scoring entrants in each state. NMSC provides scholarship application materials to Semifinalists through their high schools. To be considered for a National Merit Scholarship, Semifinalists must advance to Finalist standing in the competition by meeting high academic standards and all other requirements explained in the information provided to each Semifinalist.

Finalists

In February, some 15,000 Semifinalists are notified by mail at their home addresses that they have advanced to Finalist standing. High school principals are notified and provided with a certificate to present to each Finalist.

Winner Selection

All winners of Merit Scholarship awards (Merit Scholar designees) are chosen from the Finalist group based on their abilities, skills, and accomplishments—without regard to gender, race, ethnic origin, or religious preference. A variety of information is available for NMSC selectors to evaluate: the Finalist's academic record, information about the school's curricula and grading system, two sets of test scores, the high school official's written recommendation, information about the student's activities and leadership, and the Finalist's own essay.

Types of Merit Scholarship Awards

Beginning in March and continuing to mid-June, NMSC notifies approximately 7,500 Finalists at their home addresses that they have been selected to receive a Merit Scholarship award. Merit Scholarship awards are of three types:

National Merit \$2,500 Scholarships

Every Finalist competes for these single payment scholarships, which are awarded on a state-representational basis. Winners are selected without consideration of family financial circumstances, college choice, or major and career plans.

Corporate-sponsored Merit Scholarship awards

Corporate sponsors designate their awards for children of their employees or members, for residents of a community where a company has operations, or for Finalists with career plans the sponsor wishes to encourage. These scholarships may either be renewable for four years of undergraduate study or one-time awards.

College-sponsored Merit Scholarship awards

Officials of each sponsor college select winners of their awards from Finalists who have been accepted for admission and have informed NMSC by the published deadlines that the sponsor college or university is their first choice. These awards are renewable for up to four years of undergraduate study.

Special Scholarships

Every year some 1,200 National Merit Program participants, who are outstanding but not Finalists, are awarded Special Scholarships provided by corporations and business organizations. To be considered for a Special Scholarship, students must meet the sponsor's criteria and the entry requirements of the National Merit Scholarship Program. They also must submit an entry form to the sponsor organization. Subsequently, NMSC contacts a pool of high-scoring candidates through their respective high schools.

PERFORMANCE RECOGNITIONS

AP Capstone

AP Capstone™ is a diploma program from College Board.

Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma™. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams receive the AP Seminar and Research Certificate™.

AP Scholar Awards

The AP Scholar Awards recognize high school students who have demonstrated exemplary college-level achievement on AP Exams. The awards are reflected on all score reports sent to colleges after awards are conferred.

Award	Criteria
AP Scholar	Granted to students who receive scores of 3 or higher on three or more AP exams
AP Scholar with Honor	Granted to students who receive an average score of at least 3.25 on all AP Exams taken, and scores of 3 or higher on four or more of these exams
AP Scholar with Distinction	Granted to students who receive an average score of at least 3.5 on all AP Exams taken, and scores of 3 or higher on five or more of these exams

TEXAS AUTOMATIC COLLEGE ADMISSIONS CRITERIA

A student is eligible for automatic admission to a college or university as an undergraduate student if the applicant earned a grade point average in the **top 10 percent** of the student's high school graduating class (Texas Education Code, §51.803). This rule has been modified for The University of Texas at Austin please see [UT Austin Admissions](#) for the most recent admissions information.

Students will also have to ensure that all required documents are received by the institution to which they intend to apply by the application deadline and be sure to enroll in college no more than two years after graduating from high school. In addition, students must:

- Successfully complete the Distinguished Level of Achievement under the Foundation High School Program

or

- Earn an ACT Composite Score of 23 AND at least a 19 on Mathematics and a 19 on English or Score at least a 530 on SAT Mathematics and a 480 on SAT Evidenced-Based Reading and Writing.

Be sure to check with the school's admissions office and go to [The Tests You'll Need](#) for more information about test requirements. Students who are admitted to college through the Top 10% Rule, may still be required to provide SAT or ACT scores, but these scores are not used for admissions purposes.

TEXAS FIRST PROGRAM

The Texas First Program is designed to keep Texas' best and brightest on a direct track to a postsecondary pathway here in our great state. Texas' top students can accelerate their path to college and earn up to a year in scholarship dollars to attend select Texas institutions.

Eligible Institutions

Before September 1, 2023, the Texas First Scholarship was only applicable at 10 Texas public universities. However, effective September 1, 2023, the number of institutions of higher education eligible to award the Texas First Scholarship to eligible Texas First Diploma graduates expanded from 10 universities to all Texas public institutions of higher education, including colleges, universities, and technical colleges (Senate Bill 2294, 88th Texas Legislature, Regular Session). Please see your high school counselor for information regarding eligibility requirements to graduate early under the Texas First Program and receive a scholarship up to one year upon admission to any eligible Texas public institution of higher education, per Texas Education Code, Section 61.003.

Program Details

Students who graduate early and earn a Texas First Diploma receive a scholarship at participating institutions.

Students who graduate two or more semesters before their class receive a two-semester scholarship, equivalent to the amount of the TEXAS grant, to a participating university. Students who graduate one semester early receive a one-semester scholarship to a participating university. Students may also be eligible for additional financial aid at most of these institutions.

The Texas First Diploma does not guarantee automatic admission for students. A student should consult their counselor for guidance on whether the student's grade point average at graduation qualifies the student for automatic admission under the state's top 10 percent law.

Students who graduate early with a Texas First Diploma may apply to any college or university they choose.

The scholarship offer will expire at the end of the first academic year following a student's graduation, so students are encouraged to attend college directly after high school.

Student Eligibility

Eligible students must demonstrate college readiness in academics and attitude. Eligibility requirements include the following:

- Texas residency
- FAFSA or TASFA completion
- At least 22 high school credits
- Final GPA equivalent to 3.0 or higher on a 4.0 scale
- Overall score in at least the 80th percentile on one or more of the following assessments: ACT, SAT, PSAT/NMSQT, TSIA/TSIA2, or GED; or, alternatively, a GPA in the top 10 percent of the student's class
- Completion of the STAAR EOC exams in English I or II, Algebra I, and Biology, or completion of eligible substitute assessments
- Demonstration of mastery in each subject area of English/Language Arts, Mathematics, Science, Social Studies, and a language other than English. Students should contact their counselor to learn more about this program and verify their eligibility.

View additional information and requirements here:

[Texas First Program - Keller Independent School District](#)

COLLEGE, CAREER, MILITARY READINESS

The 21st Century workplace almost universally requires some form of preparation or certification in the form of education beyond high school. Whether this preparation includes earning a college degree, an industry-based certification, or some other form of career readiness credential, the KISD community is committed to providing the resources our students need to graduate prepared to navigate a changing and increasingly complex future. This preparation includes providing students with support to cultivate the knowledge, skills, and personal wellbeing needed to be successful beyond high school.

The College, Career, and Military Readiness section provides a convenient tracking tool that students can use to measure their progress toward graduating college and career ready along with some additional resources to assist them in making informed decisions about their future



Keller ISD College, Career, & Military Readiness Tracker

Test Requirements for BOTH College & Career Readiness			
Must have “college-ready” scores in both English, Reading, Writing AND Math for one test or a combination of tests.			
TSIA 2	SAT	ACT Taken before 2-15-23	ACT Taken after 2-15-23
ELAR- 945	Reading & Writing- 480	ACT English- 19	English & Reading Combined- 40
Essay- 5	Math- 530	Math- 19	Math- 22
Math-950		Composite- 23	No Composite
<i>Note: Students who do not meet the “College Ready” score on TSIA 2 may qualify if their TSIA 2 diagnostic score is: Math- 6, ELAR- 5</i>			
College-Ready Requirements			
Texas College Bridge	AP	Dual Credit	Associate’s Degree

Completion of college prep math and/or English course in TCB	Score a 3 or better on at least 1 AP exam	3 credit hours in dual credit math or English OR 9 credit hours in anything	Graduate from high school with an Associate's degree
Career-Ready Requirements			
Industry Based Certifications	Technical Certifications	Special Education	
Earn at least one qualifying industry-based certification that aligns with the CTE Program of Study in which the student will be a completer.	Earn a level I or II certification	Graduate with an endorsement OR Graduate with an IEP and workforce readiness	
Military-Ready Requirement			
Enlist in the Military and submit a copy of your DoD Form 4 contract to campus counselor			

COLLEGE PREPARATION AND TESTING INFORMATION

TEXAS Grant

The state legislature established the TEXAS (Towards Excellence, Access and Success) Grant to ensure that well-prepared high school graduates with financial need could go to college.

For more information: [College for All Texans | My Texas Future](#)

FAFSA

The Free Application for Federal Student Aid is available for students in their final year of high school. It is important for students to apply for financial aid early in their final year and each following year, as long as they are in post-secondary education or training. In HB3, the Texas Legislature determined that all seniors must submit a completed FAFSA or sign a waiver opting out as a graduation requirement.

There are many merit scholarships available to students through the completion of the FAFSA application.

FAFSA submission is available starting October 1.

Please remember that you should never have to pay to complete or submit your FAFSA.

TASFA

The Texas Application for State Financial Aid (TASFA) collects information to help determine eligibility for state (or institutional) financial aid programs administered by institutions of higher education in the state of Texas. Foreign or non-citizen students classified as Texas Residents who are not eligible to apply for federal financial aid using the Free Application for Federal Student Aid (FAFSA) are encouraged to complete the TASFA. Note: The federal application covers federal and state financial aid opportunities. If you meet the FAFSA filing requirements, then you should submit a completed FAFSA. You should not complete both the FAFSA and TASFA. Please visit the College for All Texans FAFSA/TASFA website at [College for All Texans | My Texas Future](#) for more information.

Please remember that you should never have to pay to complete or submit your TASFA.

PSAT

The Preliminary Scholastic Aptitude Test (PSAT) provides KISD students an opportunity to take a practice test structured in the same format and content as the SAT. For juniors, the Preliminary SAT®/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) may qualify them to enter the competitions for prestigious scholarships and participate in recognition programs that could generate additional scholarship opportunities. More information about the National Merit Scholarship Program is included in this guide. Students can connect their PSAT scores to Khan Academy for free online SAT prep customized to their needs. Visit [KhanAcademy.org](https://www.khanacademy.org) for more information.

Texas Success Initiative Assessment (TSIA-2)

The TSIA-2 is an untimed assessment program designed to determine if a student is ready for college level course work in the general areas of reading, writing and mathematics. In addition, this program will also help determine what type of support may be needed to best meet the student's needs and to assist in becoming better prepared for college level course work. The TSIA-2 is composed of two sections: TSIA-2 Mathematics and TSIA-2 English Language Arts & Reading.

ACT

The ACT is a three-hour multiple-choice test measuring achievement in four areas: English, mathematics, reading, and science reasoning. The optional writing test measures skill in planning and writing a short essay. Each sub-test yields a score of 1-36. Averaging the four sub-tests produces a composite score that also is reported on a scale of 1-36. Students have access to free online practice tests for the ACT at [http:// actstudent.org/onlineprep/](http://actstudent.org/onlineprep/).

SAT

The SAT (Reasoning Test) is a three-hour test of writing/critical language and mathematical abilities administered by the College Board. Students will receive a Total Score of 400-1600, the sum of the Evidence-Based Reading and Writing section score (200-800) and the Math section score (200-800). Students have access to free online practice tests for the SAT at <https://sat.collegeboard.org/practice> and <https://www.khanacademy.org/sat>.

Advanced Placement (AP) Exams

Each AP course provides students the opportunity to earn college credit while in high school by successfully achieving a qualifying score (3+) on the AP exam, which is administered at the end of the course. These AP courses and exams are based upon a national course outline equivalent to a college course. By achieving a qualifying score of 3 or higher, colleges may grant credit on the student's college transcript. Exam credit policies can vary from college to college and it is

recommended to consult the prospective institution's policy on AP credit. Students who achieve a qualifying score (3+) are automatically qualified for credit from Texas public colleges and universities. The college or university will determine what type of credit is awarded, such as core or elective.

Advanced Placement Exam Credit Conversion

Colleges across the world have different systems and requirements for converting AP Exam scores to college credit. Public colleges and universities in Texas are required to give credit for a score of 3 or better, but there are no specific requirements for how much credit or how that credit will apply to a student's degree plan. To check the AP Credit Policy for your chosen college or university, we recommend that you visit the [AP Credit Policy Search website](#).

ENGLISH COURSES

English I

TEDS: 03220100

KISD: 1003

Credit: 1

Grade: 9

Recommended prerequisite: None

English I is designed to follow the Texas Essential Knowledge and Skills (TEKS) for English language arts and reading emphasize the interconnected nature of listening, speaking, reading, writing, and thinking through seven integrated strands, including foundational language skills, comprehension, response, multiple genres, author's purpose and craft, composition, and inquiry and research. The goal is to ensure literacy in Keller ISD by focusing on oral expression, authentic reading, and reflective writing. These strands are integrated and progressive, helping students develop critical thinking skills and adapt to language and literacy changes. They cover language domains, accelerate language skill acquisition, foster social and academic language proficiency, and encourage daily academic engagement, with text complexity increasing as students' progress, enabling them to apply earlier standards to more complex texts and become self-directed, critical learners.

English I Honors

TEDS: 03220100

KISD: 1023

Credit: 1

Grade: 8-9

Recommended prerequisite: None

In addition to the English I course expectations, students in English I Honors will build a foundation in additional skills in preparation for an Advanced English Courses such as AP Language, AP Literature,

or Dual Credit. These additional skills may include analysis of a variety of literary and nonfiction texts with particular attention to the writer's style, diction, syntax, argumentation, and logic. Furthermore, these skills should deepen and expand their understanding of how written language functions rhetorically: to communicate writers' intentions and elicit readers' responses in particular situations.

English II

TEDS: 03220200

KISD: 1033

Credit: 1

Grade: 10

Recommended prerequisite: English I

English II is designed to build upon the skills of English I by applying the Texas Essential Knowledge and Skills (TEKS) for English language arts and reading emphasize the interconnected nature of listening, speaking, reading, writing, and thinking through seven integrated strands, including foundational language skills, comprehension, response, multiple genres, author's purpose and craft, composition, and inquiry and research. The goal is to ensure literacy in Keller ISD by focusing on oral expression, authentic reading, and reflective writing. These strands are integrated and progressive, helping students develop critical thinking skills and adapt to language and literacy changes. They cover language domains, accelerate language skill acquisition, foster social and academic language proficiency, and encourage daily academic engagement, with text complexity increasing as students' progress, enabling them to apply earlier standards to more complex texts and become self-directed, critical learners.

English II Honors

TEDS: 03220200

KISD: 1053

Credit: 1

Grade: 9-10

Recommended prerequisite: English I

In addition to the English II course expectations, students in English II Honors will build a foundation in additional skills in preparation for an Advanced English Courses such as AP Language, AP Literature, or Dual Credit. These additional skills may include analysis of a variety of literary and nonfiction texts with particular attention to the writer's style, diction, syntax, argumentation, and logic. Furthermore, these skills should deepen and expand their understanding of how written language functions rhetorically: to communicate writers' intentions and elicit readers' responses in particular situations.

English III

TEDS: 03220300

KISD: 1063

Credit: 1

Grade: 11

Recommended prerequisite: English II

English III is designed to build upon the skills of English II with a focus on American Literature by applying the Texas Essential Knowledge and Skills (TEKS) for English language arts and reading emphasize the interconnected nature of listening, speaking, reading, writing, and thinking through seven integrated strands, including foundational language skills, comprehension, response, multiple

genres, author's purpose and craft, composition, and inquiry and research. The goal is to ensure literacy in Keller ISD by focusing on oral expression, authentic reading, and reflective writing. These strands are integrated and progressive, helping students develop critical thinking skills and adapt to language and literacy changes. They cover language domains, accelerate language skill acquisition, foster social and academic language proficiency, and encourage daily academic engagement, with text complexity increasing as students' progress, enabling them to apply earlier standards to more complex texts and become self-directed, critical learners.

AP Language and Composition

TEDS: A3220100

KISD: 1083

Credit: 1

Grade: 10-12

Recommended prerequisite: English II

AP Language and Composition emphasize the analysis of a variety of literary and nonfiction texts with particular attention to the writer's style, diction, syntax, argumentation, and logic. Students reflect this analysis in compositions that use sophisticated syntax and vocabulary, effective use of proof, and control of the conventions of language. Emphasis is on wide reading and analytic response in timed essays in preparation for the Advanced Placement Exam in Language and Composition. A qualifying score on the AP test may enable students to be exempt from the composition class that many colleges require. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Dual Enrollment English III

TSU ENGL 1301-Composition 1/ENGL 2326 American Literature

TEDS: 03220300

KISD: 1085

Credit: 1

Grade: 10-11

Required prerequisite: English 2

A prerequisite to English 1302, the course introduces students to a variety of different characteristics of writing for academic contexts. Students in English 1301 write about ideas, in particular responding analytically and critically to written sources. The course helps students become familiar with academic audiences, situations, purposes, genres, and some primary conventions (style, arrangement) of those genres. Moreover, students work to develop their own composing processes, particularly for ways of inventing ideas, planning, and revising their texts. Enrollment requires registration with Tarleton State University.

Students who successfully complete this course will receive high school credit and, if accepted, 3 college credit hours of Communications Core.

**Paired with ENGL 2326 for a year-long offering with high school Junior English*

A survey of American literature from the period of exploration and settlement to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among various groups of authors for what they reflect and reveal about the

evolving American experience and character. Enrollment requires registration with Tarleton State University.

Prerequisite: ENGL 1301

Students who successfully complete this course will receive high school credit and, if accepted, 3 college credit hours of Language, Philosophy, and Culture core.

**Paired with ENGL 1301 for a year-long offering with high school Junior English*

English IV

TEDS: 03220400

KISD: 1093

Credit: 1

Grade: 12

Recommended prerequisite: English III

English IV is designed to build upon the skills of English III with a focus on British Literature by applying the Texas Essential Knowledge and Skills (TEKS) for English language arts and reading emphasize the interconnected nature of listening, speaking, reading, writing, and thinking through seven integrated strands, including foundational language skills, comprehension, response, multiple genres, author's purpose and craft, composition, and inquiry and research. The goal is to ensure literacy in Keller ISD by focusing on oral expression, authentic reading, and reflective writing. These strands are integrated and progressive, helping students develop critical thinking skills and adapt to language and literacy changes. They cover language domains, accelerate language skill acquisition, foster social and academic language proficiency, and encourage daily academic engagement, with text complexity increasing as students' progress, enabling them to apply earlier standards to more complex texts and become self-directed, critical learners.

AP Literature and Composition

TEDS: A3220200

KISD: 1113

Credit: 1

Grade: 10-12

Recommended prerequisite: English II Honors

An AP English Language and Composition course cultivates the reading and writing skills that students need for college success and for intellectually responsible civic engagement. The course guides students in becoming curious, critical, and responsive readers of diverse texts and becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes. The reading and writing students do in the course should deepen and expand their understanding of how written language functions rhetorically: to communicate writers' intentions and elicit readers' responses in particular situations. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Dual Enrollment English IV

TSU ENGL 1302-Composition 2/ENGL 2321British Literature

TEDS: 03220400

KISD: 1103

Credit: 1

Grade: 11/12

Required prerequisite: Dual Enrollment English 3 (ENGL 1301)

A sequel to English 1301, this course introduces students to research in academic contexts. Students address questions such as "What is it for? What are its limitations? What are some of its shapes?

How does one go about it?" The course introduces students to various research methods, systems of documentation, contemporary library resources, and research genres. Among other writing tasks for the course, each student is expected to carry out his/her own research study for possible publication in The Tarleton Freshman Writer. Enrollment requires registration with Tarleton State University.

Prerequisite: ENGL 1301

Students who successfully complete this course will receive high school credit and, if accepted, 3 college credit hours of Communications Core.

**Paired with ENGL 2321 for a year-long pairing with high school Senior English.*

A survey of the development of British literature from the Anglo-Saxon period to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from various groups of authors and traditions. Enrollment requires registration with Tarleton State University.

Prerequisite: ENGL 1301

**Paired with ENGL 1302 for a year-long pairing with high school Senior English.*

Sheltered English I-IV

TEDS: 03220100 I KISD: 1125

TEDS: 03220200 II KISD: 1126

TEDS: 03220300 III KISD: 1127

TEDS: 03220400 IV KISD: 1128

Credit: 1

Grade: 9-12

Required prerequisite: Language proficiency test and/or LPAC recommendation

Enrollment is limited to Emergent Bilingual students indicated as English learners in 9th-12th grades. Placement in Sheltered English I-IV will be determined through language proficiency tests and LPAC recommendations. Sheltered English courses align with the state and district requirements for English I-IV. Sheltered classes may substitute for the required English credits.

Basic English I

TEDS: 03220100

KISD: M1003

Credit: 1

Grade: 9

Recommended prerequisite: ARD Decision

This course uses modified English I content to meet the individual learning requirements of students. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and view representing. Students will integrate correct language skills within the reading and writing processes; plan, draft, and complete written compositions from all writing forms on a regular basis; read and respond to multiple genres from world literature translated into English from various cultures; understand basic literary concepts. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs.

Basic English II

TEDS: 03220200

KISD: M1033

Credit: 1

Grade: 10

Recommended prerequisite: ARD Decision

This course uses modified English II content to meet the individual learning requirements of students. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing representing. Students increase and refine their communication skills; plan, draft, and complete written compositions with emphasis on persuasive forms; read extensively in multiple genres from world literature translated to English from various cultures. Students continue development of study skills, strategies, and the use of critical thinking skills. Some variation in course content/emphasis may occur on campus depending on the students' individual needs.

Basic English III

TEDS: 03220300

KISD: M1063

Credit: 1

Grade: 11

Recommended prerequisite: ARD Decision

This course uses modified English III content to meet the individual learning requirements of students. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing representing. Students continue to increase and refine communication skills, plan, draft, and complete written compositions with emphasis on business forms regularly. American literature and other world literature provide the source for critical thinking and literary essays. Students' present and critique oral communications and Graphic Design & Illustration products. Students continue development of study skills, strategies, and the use of critical thinking skills. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs.

Basic English IV

TEDS: 03220400

KISD: M1093

Credit: 1

Grade: 12

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skill for the grade level English I TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students will integrate correct language skill within the reading and writing processes; plan, draft, and complete written compositions from all writing forms on a regular basis; read and respond to multiple genres from world literature translated into English from various cultures; understand basic literary concepts. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs.

Fundamentals of English I

TEDS: 03220107

KISD: T1003

Credit: 1

Grade: 9

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level English I TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students will integrate correct language skill within the reading and writing processes; plan, draft, and complete written compositions from all writing forms on a regular basis; read and respond to multiple genres from world literature translated to English from various cultures; understand basic literary concepts. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs.

Fundamentals of English II

TEDS: 03220207

KISD: T1033

Credit: 1

Grade: 10

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level English II TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students increase and refine their communication skills; plan, draft, and complete written compositions with emphasis on persuasive forms; read extensively in multiple genres from world literature translated into English from various cultures. Students continue development of study skills, strategies, and the use of critical thinking skills. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs.

Fundamentals of English III

TEDS: 03220300

KISD: T1063

Credit: 1

Grade: 11

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level English III TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students continue to increase and refine communication skills, plan, draft, and complete written compositions with emphasis on business forms regularly. American literature and other world literature provide the source for critical thinking and literary essays. Students' present and critique oral communications and Graphic Design & Illustration products. Students continue development of study skills, strategies, and the use of critical thinking skills. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs.

Fundamentals of English IV

TEDS: 03220400

KISD: T1093

Credit: 1

Grade: 12

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level English IV TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students continue to increase and refine communication skills, plan, draft, and complete written compositions with emphasis on business forms regularly. American literature and other world literature provide the source for critical thinking and literary essays. Students continue development of study skills, strategies, and the use of critical thinking skills. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs.

Fundamentals of Independent English IV

TEDS: 03221800

KISD: T1133

Credit: 1

Grade: 12

Recommended prerequisite: ARD Decision

Independent English IV Alternate will assist students in developing skills in the areas of expressive, receptive, written, and representations of language. Attention is given to the ability to communicate effectively within the range of student's abilities. Students will integrate language to understand oral, written, and/or symbolic communication. Oral and written language will be used to express ideas, demands and needs, and to make inquiries. Communication will be examined regarding social appropriateness, environmental cues and, prompts understanding generalizations in real-life context, the responsibilities of independent living and related skills.

ENGLISH ELECTIVES

Interdisciplinary Perspectives and Inquiry

TEDS: 03380002 **KISD:** 1087

Credit: 1

Grade: 9-12

Recommended prerequisite: English II Honors

Interdisciplinary Perspectives and Inquiry" follows the AP Seminar framework as a foundational course that engages students in cross-curricular conversations where they can explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision to craft and communicate evidence-based arguments. *This course will count as the student's 21st century skill requirement for graduation.*

Advanced Research and Synthesis

TEDS: 03380003 **KISD:** 1097

Credit: 1

Grade: 9-12

Recommended prerequisite: Interdisciplinary Perspectives and Inquiry

Advanced Research and Synthesis follows the AP Research framework, the second course in the AP Capstone experience, which allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

Debate I-III

TEDS: 03240600 I **KISD:** 1403

TEDS: 03240700 II **KISD:** 1413

TEDS: 03240800 III **KISD:** 1423

Credit: 1

Grade: 9-12

Recommended prerequisite: Debate I

Controversial issues arise in aspects of personal, social public, and professional life in modern society. Debate and argumentation are widely used to make decisions and reduce conflict. Students who develop skills in argumentation and debate become interested in current issues, develop sound critical thinking, and sharpen communication skills. They acquire life-long skills for intelligently approaching controversial issues.

Advanced Journalism Yearbook I-III

TEDS: 03230110 I **KISD:** 13531

TEDS: 03230120 II **KISD:** 13532

TEDS: 03230130 III **KISD:** 13533

Credit: 1

Grade: 10-12

Prerequisite: Contemporary Media or Photojournalism. Application may be required.

Students enrolled in Advanced Journalism: Yearbook I, II, III will explore the elements and processes necessary for producing their high school's yearbook. Proficiency in typing, copywriting, and photography is helpful. Specialized writing, interviewing, advertising, design and layout, and editing are taught and practiced in this writing-intensive course. Students will understand the consequences of plagiarism and apply ethical and legal standards in their work, including copyright law, the fair use exemption, and the ownership of intellectual property. Strong, independent writing abilities are essential, and students must be willing to attend events outside of the school day and devote additional time to ensure assignments are completed and deadlines are met.

Advanced Broadcast Journalism I-III

TEDS: 03231900 I **KISD:** 1313

TEDS: 03231901 II **KISD:** 13231

TEDS: 03231902 III **KISD:** 13232

Credit: 1

Grade: 10-12

Recommended prerequisite: Contemporary Media

Students need to be critical viewers, consumers, and producers of media. The ability to access, analyze, evaluate, and produce communication in a variety of forms is an important part of language development. High school students enrolled in this course will apply and use their journalistic skills for various purposes. Students will learn the laws and ethical considerations that affect broadcast journalism; learn the role and function of broadcast journalism; critique and analyze the significance of visual representations; and learn to produce by creating a broadcast journalism product.

Oral Interpretation I-II

TEDS: 03240200 I

KISD: 1462

TEDS: 03240300 II

KISD: 1471

Credit: 1

Grade: 10-12

Recommended prerequisite: Debate I

Literature and its presentation are integral to understanding the cultural aspects of a society. Students in Oral Interpretation I-II will select, research, analyze, adapt, interpret, and perform literary texts as a communication art. Students focus on intellectual, emotional, sensory, and aesthetic levels of texts to attempt to capture the entirety of the author's work. Individual or group performances of literature will be presented and evaluated. Competitive events are required.

Creative Writing

TEDS: 03221200

KISD: 1163

Credit: 1

Grade: 10-12

Recommended prerequisite: English II

The study of creative writing allows high school students to earn one credit while developing versatility as a writer. Creative Writing, a rigorous composition course, asks high school students to demonstrate their skill in such forms of writing as fictional writing, short stories, poetry, and drama. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course can analyze and discuss published and unpublished pieces of writing, develop peer and self-assessments for effective writing, and set their own goals as writers.

Photojournalism

TEDS: 03230800

KISD: 1371

Credit: .5

Grade: 9-12

Recommended prerequisite: None

In this semester course, students are expected to plan, interpret, and critique visual representations, carefully examining their products for publication. They will become analytical consumers of media and technology to enhance their communication skills. Students will study the laws and ethical considerations that impact photography and photojournalism, recognizing and applying ethical and legal standards to all aspects of their work, including copyright law, the fair use exemption, and the ownership of intellectual property. Published photos of professional photojournalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, and produce effective visual representations. Students will refine and enhance their journalistic skills as they use appropriate equipment to download, print, and upload images, and improve photo quality through the use of appropriate technology. They will plan, prepare, and produce photographs for journalistic publication in print, digital, or online media.

Advanced Journalism: Literary Magazine

TEDS: 03230170

KISD: 13631

Credit: 1

Grade: 12

Recommended prerequisite: None

Students enrolled in Advanced Journalism: Literary Magazine communicate in various forms such as print, digital, or online media for various audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Advanced Journalism: Literary Magazine, students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. Published works of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Advanced Journalism: Literary Magazine will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.

Independent Study in English I-III

TEDS: 03221800 I

KISD: 1133

TEDS: 03221810 II

KISD: 1134

TEDS: 03221820 III

KISD: 1135

Credit: 1

Grade: 9-11

Required prerequisite: Language proficiency test and/or LPAC recommendation.

Enrollment is limited to Emergent Bilingual students indicated as English learners in 9-11th grades that are at the Beginner-Advanced High language proficiency levels in language acquisition. The course provides additional language arts support for limited English proficient students. Placement will be determined through language proficiency tests and LPAC recommendations.

Independent Study in English: Hebrew Scriptures

TEDS: 03221830

KISD: 1161

Credit: 1

Grade: 9-12

Recommended prerequisite: None

This elective English course will follow federal law maintaining religious neutrality and will consider the Hebrew scripture in a secular and academic context. Students will study biblical content and narratives that are prerequisites to understanding their impact on contemporary society and culture, including literature, art, music, tradition, morals, laws, history, and government. The course will be objective and academic in nature, requiring students to use their analytical abilities. It will compare religion and the literature of religion for literary and/or historical qualities.

Independent Study in English: New Testament

TEDS: 03221840

KISD: 1162

Credit: 1

Grade: 9-12

Recommended prerequisite: None

This elective English course will follow federal law maintaining religious neutrality and will consider the New Testament scripture in a secular and academic context. Students will study biblical content and narratives that are prerequisites to understanding their impact on contemporary society and culture, including literature, art, music, tradition, morals, laws, history, and government. The course will be objective and academic in nature, requiring students to use their analytical abilities. It will compare religion and the literature of religion for literary and/or historical qualities.

College Preparatory English

TEDS: CP110100

KISD: 1176

Credit: 1

Grade: 11-12

Recommended prerequisite: Students who have not met a College Readiness indicator as identified by HB 5.

The goal of this course is to support students in meeting TSI requirements for English and to enter college and career coursework. Students will take the TSI at the end of the course.

Contemporary Media

TEDS: 03241401

KISD: 1365

Credit: 1

Grade: 9-12

Recommended prerequisite: None

In this course, students will learn to identify the history and evolution of media used for mass communication, specifically how media influences tastes, behavior, purchasing, and voting decisions. Students who are media literate understand television, radio, film, and other visual images and auditory messages. They will learn to recognize the types and functions of mass media, such as television, radio, Internet, podcast, YouTube, newspaper, periodicals, blogs, social networking, emailing, texting, search engines, and music. They will identify and analyze regulations that govern media and interpret the influence of that media. They will also analyze, create, and evaluate visual and auditory messages, including developing skills for organizing, writing, and designing media messages for specific purposes and effects. *This course can fulfill the 21st century skill requirement for students in broadcast journalism, yearbook, or newspaper pathways only.*

MATH COURSES

Algebra I

TEDS: 03100500

KISD: 2003

Credit: 1

Grade: 9

Prerequisite: Grade 8 Mathematics or equivalent

This course develops students' ability to think algebraically and reason symbolically. Algebra 1 focuses on the study of linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will use a variety of representations (concrete, pictorial, numerical, symbolic, graphical, and verbal), tools, and technology to model mathematical situations to solve meaningful problems. Algebra 1 serves as a foundation and a prerequisite for all subsequent math courses.

Algebra I Honors

TEDS: 03100500

KISD: 2013

Credit: 1

Grade: 9

Prerequisite: 8th grade math or equivalent

There is a strong expectation that all the students in an honors math program are preparing for Advanced Placement Calculus and/or Advanced Placement Statistics. This course develops students' ability to think algebraically and reason symbolically. Algebra 1 focuses on the study of linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will use a variety of representations (concrete, pictorial, numerical, symbolic, graphical, and verbal), tools, and technology to model mathematical situations to solve meaningful problems. Algebra 1 serves as a foundation and a prerequisite for all subsequent math courses.

Algebraic Reasoning

TEDS: 03102540

KISD: 2424

Credit: 1

Grade: 10-12

Prerequisite: Algebra I

In Algebraic Reasoning, students will continue to develop algebraic understandings and processes, deepening their 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.

Geometry

TEDS: 03100700

KISD: 2213

Credit: 1

Grade: 9-12

Prerequisite: Algebra I

Geometry consists of the study of geometric figures and the relationships among them. Students will extend their previous studies to focus on more precise terminology, symbolic representations, and the development of proofs around geometric properties and relationships. They will explore concepts covering two- and three-dimensional figures, coordinate and transformational geometry, logical argument and constructions, similarity, congruence, trigonometry, circles, and probability. Students will use a variety of tools, including technology, to solve meaningful problems and demonstrate new understandings.

Geometry Honors

TEDS: 03100700

KISD: 2223

Credit: 1

Grade: 9-12

Prerequisite: Algebra I

All students in an honors math program are expected to prepare for Advanced Placement math courses. Geometry Honors includes all Geometry standards with added rigor and depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work. Students who choose to accelerate their math coursework may concurrently take Algebra II Honors and Geometry Honors.

Algebra II

TEDS: 03100600

KISD: 2043

Credit: 1

Grade: 10-12

Prerequisite: Algebra I

In Algebra II, students will broaden their understanding of linear, quadratic, and exponential functions and will explore additional functional relationships, including logarithmic, square root, cubic, absolute value, and rational functions. Students will learn to combine functions, find their inverses, and connect them to real-world situations. Students will also graph functions with and without technology and will discuss their attributes. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

Algebra II Honors

TEDS: 03100600

KISD: 2033

Credit: 1

Grade: 10-12

Prerequisite: Algebra I

There is a strong expectation that all of the students in an honors math program are preparing for Advanced Placement math courses. Algebra II Honors includes all Algebra II standards with added rigor, depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work. Algebra II Honors is designed to prepare students who will be taking AP Calculus or AP Statistics in their 11th or 12th grade year of high school.

DE College Algebra

TSU Math 1314 College Algebra

TEDS: 03100600

KISD: 2033

Credit: 1

Grade: 10-12

Prerequisite: Algebra I

In Dual Enrollment College Algebra students will have an In-depth study and applications of polynomial, rational, radical, exponential, and logarithmic functions, and systems of equations using matrices. Enrollment requires registration with Tarleton State University

Students who successfully complete this course will earn high school credit and, if accepted, 3 college credit hours of Mathematics core.

Precalculus

TEDS: 03101100

KISD: 2303

Credit: 1

Grade: 10-12

Prerequisite: Algebra I, Geometry, and Algebra II

Precalculus is the preparation for calculus. 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. In this course, students study multiple representations of functions, including polynomial, rational, power (including radical), exponential, logarithmic, trigonometric, and piecewise defined functions. They also analyze the characteristics and behaviors of these functions. Additional topics in precalculus include conic sections and their properties, parametric representations, sequences and series, and vectors.

AP Precalculus

TEDS: A3100100

KISD: 2323

Credit: 1

Grade: 10-12

Prerequisite: Algebra I, Geometry, Algebra II

AP Precalculus prepares students for AP Calculus AB and BC. The skills learned in this course are also foundational for college pathways and careers in math, physics, biology, health science, social science, and data science. This course is comprised of four overarching units: (1) Polynomial and Rational Functions (2) Exponential and Logarithmic Functions (3) Trigonometric and Polar Functions (4) Functions involving Parameters, Vectors, and Matrices. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Calculus

TEDS: 03102500

KISD: 2322

Credit: 1

Grade: 11-12

Prerequisite: Precalculus

Calculus is designed for college bound students who have taken Precalculus. Topics include elementary functions, limits, differential calculus and integral calculus. Applications include problems from business, economics, life sciences and social sciences. Students will also review many college algebra skills to help prepare them for college math placement tests.

AP Calculus AB

TEDS: A3100101

KISD: 2333

Credit: 1

Grade: 11-12

Prerequisite: Precalculus

This course prepares students for the College Board AP Calculus AB Exam for possible college credit (1st semester calculus). In AP Calculus AB, students cultivate their understanding of differential and integral calculus by engaging with real-world applications represented graphically, numerically, analytically, and verbally, and by using definitions and theorems to build arguments and justify conclusions. Calculus AB topics include functions, graphs and limits; derivatives; and integrals. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Calculus BC

TEDS: A3100102

KISD: 2343

Credit: 1

Grade: 11-12

Prerequisite: Precalculus

This course prepares students for the College Board AP Calculus BC Exam for possible college credit (1st and 2nd semester Calculus). Students explore all topics covered in AP Calculus AB along with additional topics such as parametric, polar, and vector functions and derivatives, polynomial approximations, and series. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Multivariable Calculus

TEDS: N1110018 **KISD:** 2463

Credit: 1

Grade: 11-12

Prerequisite: AP Calculus BC

Multivariable Calculus extends concepts learned in single variable calculus to multiple dimensions. Topics discussed include vector algebra; equations of lines, planes, and surfaces in space; converting between rectangular, cylindrical, and spherical coordinates; continuity, differentiation, and integration of vector-valued functions; application of vector-valued functions; continuity, limits, and derivatives of multivariable functions, tangent planes and normal lines of surfaces; applying double and triple integrals to multivariable functions. AP Calculus BC is the prerequisite. **This course is an Elective Credit and will not count as an Advanced Math Course.**

Statistics

TEDS: 03102530 **KISD:** 2417

Credit: 1

Grade: 10-12

Prerequisite: Algebra I

Statistics allows students to build upon and apply their critical thinking skills through the analysis of data and data patterns. In this course students broaden 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.

AP Statistics

TEDS: A3100200 **KISD:** 2403

Credit: 1

Grade: 10-12

Recommended prerequisite: Geometry and Algebra II

This course prepares students for the College Board AP Statistics Exam for possible college credit (1 semester, non-Calculus based Statistics). AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing to

build conceptual understanding. **AP students prepare to take the Advanced Placement Exam for possible college credit.**

DE Statistics

TSU Math 1342 Elementary Statistical Methods

TEDS: 03102530 **KISD:** 2417

Credit: 1

Grade: 10-12

Prerequisite: Algebra I

Dual Enrollment Statistics allows students to build upon and apply their critical thinking skills through collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Technology will be incorporated where appropriate. Enrollment requires registration with Tarleton State University

Students who successfully complete this course will earn high school credit and, if accepted, 3 college credit hours of Mathematics core.

AP Computer Science

TEDS: A3580110, A3580120 **KISD:** 82340

Credit: 2

Grade: 10-12

Recommended prerequisite: Computer Science I Honors

AP Computer Science A is equivalent to a first-semester, college-level course in computer science and is a continuation of Computer Science I. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities. This course will strengthen the skills developed in Computer Science I. It involves more detailed programming using records, set, stacks, pointers, and recursion. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.** This course counts as a math credit. This course may also count as a **LOTE** credit. Students earn 2 credits for this course, but the course is taught in 1 class period. This class is taught at the Keller Center for Advanced Learning.

College Preparatory Math

TEDS: CP111200

KISD: 2376

Credit: 1

Grade: 12

Recommended prerequisite: Students who have not met a College Readiness indicator as identified by HB 5.

The goal of this course is to support students in meeting TSI requirements for math. Successful completion of this course will aid in a student's readiness for college and career coursework. Topics include number sense, solving linear, quadratic, polynomial, radical, rational, and absolute value equations. Students will also review functions studied in previous courses, including linear, quadratic, and exponential. Students will take the TSI at the conclusion of this course.

Sheltered Math I-IV

TEDS: 03100500 Algebra I **KISD:** 2025

TEDS: 03100700 Geometry **KISD:** 2026

TEDS: 03100600 Algebra II **KISD:** 2027

TEDS: 03102540 Algebraic Reasoning **KISD:** 2028

Credit: 1

Grade: 9-12

Required prerequisite: Language proficiency test and/or LPAC recommendation

Enrollment is limited to Emergent Bilingual students indicated as English learners in 9th-12th grades. Placement in Sheltered Math I-IV will be determined through language proficiency tests and LPAC recommendations. Sheltered Math courses align with the state and district requirements for Math I-IV. Sheltered classes may substitute for the required Math credits.

Basic Algebra I

TEDS: 03100500

KISD: M2003

Credit: 1

Grade: 9

Recommended prerequisite: ARD Decision

Algebra I Modified is designed for students to learn the skills and application of Algebra I through modified and accommodated curriculum. Algebra I Modified students build on earlier math experiences, deepening their understanding of relations and functions and expanding their repertoire of familiar linear and quadratic functions, among others.

Basic Algebraic Reasoning

TEDS: 03102540

KISD: M2424

Credit: 1

Grade: 10-12

Prerequisite: Algebra I and ARD Decision

This course meets the individual learning requirements of students by focusing on the Recommended Prerequisite skills for the grade level Algebraic Reasoning TEKS. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs. This course will continue building knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understands and processes and deepen the foundation for students 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.

Basic Geometry

TEDS: 03100700

KISD: M2213

Credit: 1

Grade: 10

Recommended prerequisite: ARD Decision

Geometry Modified is designed for students to learn the skills and application of geometry through modified and accommodated curriculum. Students develop the facility with a broad range of ways of representing geometric ideas that allow multiple approaches to geometric problems that connect geometric interpretations to other contexts.

Basic Math Models with Applications

TEDS: 03102400

KISD: M2123

Credit: 1

Grade: 11

Recommended prerequisite: ARD Decision

Math Models with Applications Modified is designed for students to continue to build on the K-8 and Algebra I Modified foundations as they expand their understanding through other mathematical experiences. Through modified and accommodated curriculums, students use mathematical methods to model and solve real-life application problems involving money, date, 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.

Basic Algebra II

TEDS: 03100600

KISD: M2043

Credit: 1

Grade: 12

Recommended prerequisite: ARD Decision

Algebra II Modified is designed for students to build on Algebra I Modified and Geometry Modified experiences, both deepening their understanding of relations and functions and expanding their repertoire of familiar functions. Using modified and accommodated curriculum, students will be provided insights into mathematical abstraction and structure through the content strands. Connection will be made between algebra and geometry and the tools of one will be used to help solve problems in the other.

Fundamentals of Algebra I

TEDS: 03100507

KISD: T2003

Credit: 1

Grade: 9

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Algebra I TEKS. Algebra I Alternate students build on earlier math experiences, deepening their understanding of relations and functions and expanding their repertoire of familiar linear and quadratic functions, among others. Students learn to combine functions, express functions in equivalent forms, compose functions and find inverses where possible. Algebra I Alternate will provide students with insights into mathematical abstraction and structure through the content strands Foundations for Functions, Linear Functions, and Quadratics and other Non-Linear Functions. It is extremely important for students to learn Algebra I standards in depth, as it is a foundation for other math courses.

Fundamentals of Geometry

TEDS: 03100700

KISD: T2213

Credit: 1

Grade: 10

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Geometry TEKS. High school students develop facility with a broad range of ways of representing geometric ideas, including coordinates, networks, transformations, that will allow multiple approaches to geometric problems and that connect geometric interpretations to other contexts. Students learn to recognize connections among different representations, thus enabling them to use these representations flexibly. Students will expand their understanding through other mathematical experiences through the geometry content strands of

Geometric Structure, Geometric Patterns, Dimensionality and the Geometry of Location, Congruence and the Geometry of Size, and Similarity and the Geometry of Shape.

Fundamentals of Math Models with Applications

TEDS: 03102400

KISD: T2123

Credit: 1

Grade: 11

Recommended prerequisite: ARD Decision

Math Models with Applications Modified is designed for students to continue to build on the K-8 and Algebra II Alternate foundations as they expand their understanding through other mathematical experiences. Using modified and accommodated curriculum, students use mathematical methods to model and solve real-life application problems involving money, date, 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.

Fundamentals of Algebra II

TEDS: 03100600

KISD: T2043

Credit: 1

Grade: 12

Recommended prerequisite: ARD Decision

Algebra II Alternate is designed for students to build on Algebra 1 Alternate and Geometry Alternate experiences, both deepening their understanding of relations and functions and expanding their repertoire of familiar functions. Through modified and accommodated curriculums, students will be provided insights into mathematical abstraction and structure through the content strands. Bricolage Grotesque Connection will be made between algebra and geometry and the tools of one will be used to help solve problems in the other.

SCIENCE COURSES

Integrated Physics and Chemistry (IPC)

TEDS: 03060201

KISD: 3003/C3003

Credit: 1

Grade: 9-10

Prerequisite: None

In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use scientific practices during investigation and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter.

Biology

TEDS: 03010200

KISD: 3103/C3103

Credit: 1

Grade: 9-10

Prerequisite: None

Biology is a course designed around the study of living things. Students will study a variety of topics that include structures and functions of cells and viruses, growth and development of organisms, cells, tissues and organs, nucleic acids and genetics, biological evolution, metabolism, and energy transfers in living organisms, living systems, homeostasis, ecosystems, and the environment.

Biology Honors

TEDS: 03010200

KISD: 3113

Credit: 1

Grade: 9-10

Prerequisite: None

Biology Honors is a comprehensive study of biology, ecology, evolution, biochemical pathways, organic and biochemistry, cell biology, genetics, molecular biology, homeostasis, and human body systems. Students will be expected to show commitment to the Honors curriculum and be motivated to use higher-level thinking skills. The course will include a more rigorous study of biological concepts. Honors students expect to continue in the AP program with a goal of taking AP Biology.

AP Biology

TEDS: A3010200

KISD: 3123

Credit: 1

Grade: 10-12

Recommended prerequisite: Biology and Chemistry

This course is a comprehensive study of advanced biology designed to prepare students to take the AP Biology Exam. The class covers material a student would encounter in a first-year level college biology class. Special emphasis will be placed on the principles and processes of biology and understanding how biological information is collected and interpreted. The content of the course will meet College Board standards. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Chemistry

TEDS: 03040000

KISD: 3303/C3303

Credit: 1

Grade: 10-12

Prerequisite: Biology (or one science) and Algebra I

In Chemistry, students conduct laboratory and field investigations, use scientific practices during investigation, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics science courses 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. Students will investigate how chemistry is an integral part of our daily lives.

Chemistry Honors

TEDS: 03040000

KISD: 3313

Credit: 1

Grade: 10-12

Prerequisite: Biology (or one science) and Algebra I

Chemistry Honors is a comprehensive study of chemistry, properties of matter, atomic structure and its history, electron configurations, periodic table characteristics and trends, chemical bonding, gas laws, nomenclature of compounds, moles, chemical reactions, stoichiometry, aqueous mixtures, acid/bases, and neutralization reactions. The course will be lab based, and students will be asked to analyze and evaluate data from lab investigation. Chemistry Honors covers additional rigorous College Board topics that require critical thinking and a higher level of math skills, such as solving equations for variables, exponential and mathematical abstraction. Students should expect a challenging college preparatory curriculum with the goal of taking AP Chemistry.

AP Chemistry

TEDS: A3040000

KISD: 3333

Credit: 1

Grade: 11-12

Recommended prerequisite: Chemistry and Algebra II

This course is a comprehensive study of advanced chemistry designed to prepare students to take the AP Chemistry Exam. The class covers most of the material a student would encounter in a first-year level college chemistry course. Special emphasis is placed on atomic structure and bonding, thermochemistry, kinetics, equilibrium, and electrochemistry. The content of the course will meet College Board standards. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Physics

TEDS: 03050000

KISD: 3403

Credit: 1

Grade: 9-12

Prerequisite: Algebra I

Physics is designed to provide a laboratory-oriented approach to the study of matter and energy. Students are introduced to fundamental concepts in the areas of mechanics, light, sound, heat, electricity, magnetism, forces, energy, momentum, waves and nuclear phenomena. Student investigations emphasize accurate observations, collection of data, analysis of data, and the safe manipulation of laboratory apparatus and materials.

AP Physics I

TEDS: A3050003

KISD: 3443

Credit: 1

Grade: 10-12

Recommended prerequisite: Algebra I and Geometry

Corequisite: Algebra II

Algebra-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Physics II

TEDS: A3050004

KISD: 3453

Credit: 1

Grade: 11-12

Recommended prerequisite: Physics, Algebra I, Geometry, Algebra II, concurrent Precalculus

Algebra-Based is the equivalent to a second-semester college course in algebra-based physics.

The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Physics C: Electricity and Magnetism

TEDS: A3050005

KISD: 3435

Credit: 1

Grade: 11-12

Recommended prerequisite: Physics, Algebra I, Geometry, Algebra II, concurrent Calculus

AP Physics C: Electricity and Magnetism is calculus-based, appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus are used throughout the course. The course should prepare students for successful completion of the AP Physics C Exam. The content of the course will meet College Board standards. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Physics C: Mechanics

TEDS: A3050006

KISD: 3434

Credit: 1

Grade: 11-12

Recommended prerequisite: Physics, Algebra I, Geometry, Algebra II, concurrent Calculus

AP Physics C: Mechanics is calculus-based, appropriate for students planning to specialize in or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course. The course should prepare students for successful completion of the AP Physics C Exam. The content of the course will meet College Board standards. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Anatomy and Physiology

TEDS: 13020600

KISD: 3203

Credit: 1

Grade: 10-12

Prerequisite: Biology and a second science credit

This course offers a comprehensive study of the structures and functions of the human body. It will include dissections and the study of the organization of organs and organ systems. Students will utilize critical thinking skills and scientific problem solving as they conduct lab investigations. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary

Curriculum). Class is taught at all the main campuses and at the Keller Center for Advanced Learning.

Anatomy and Physiology Honors

TEDS: 13020600

KISD: 3204

Credit: 1

Grade: 10-12

Prerequisite: Biology and a second science credit

This course offers a comprehensive study of the structures and functions of the human body. It will include dissections and the study of the organization of organs and organ systems. Students will utilize critical thinking skills and scientific problem-solving as they conduct lab investigations. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). Students will be expected to show commitment to the Honors curriculum and be motivated to utilize higher-level thinking skills. The course will also include special projects and a more in-depth study. This course receives Honors weight for the class of 2025 and beyond.

Aquatic Science

TEDS: 03030000

KISD: 3513/C3513

Credit: 1

Grade: 10-12

Prerequisite: Biology

Suggested: Previous or concurrent Chemistry

In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Investigations and fieldwork in this course may emphasize fresh water or marine aspects of aquatic science depending on the natural resources available for study near the school. Students who successfully complete Aquatic Science will acquire knowledge about a variety of aquatic systems, conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical thinking and problem-solving skills.

Astronomy

TEDS: 03060100

KISD: 3503

Credit: 1

Grade: 11-12

Recommended prerequisite: One credit of science

In Astronomy, students will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical thinking skills. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reason for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration.

AP Environmental Science

TEDS: A3020000

KISD: 3543

Credit: 1

Grade: 11-12

Recommended prerequisite: Biology, Chemistry or Physics, Algebra I

This course is designed to provide students with the scientific principles, concepts, and methodologies required to understand the inter-relationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing environmental problems. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Environmental Systems

TEDS: 03020000

KISD: 3533/C3533

Credit: 1

Grade: 11-12

Recommended prerequisite: Biology and Chemistry or Physics

Students will conduct field and laboratory investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students will study 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.

Forensic Science

TEDS: 13029500

KISD: 82420

Credit: 1

Grade: 11-12

Prerequisite: Biology and Chemistry

Forensic Science is a course that 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 will 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 will learn the history, legal aspects, and career options for forensic science. Class is taught at all the main campuses and at the Keller Center for Advanced Learning.

Basic Integrated Physics and Chemistry

TEDS: 03060201

KISD: M3003

Credit: 1

Grade: 9-12

Recommended prerequisite: ARD decision

This course meets student requirements by focusing on Recommended Prerequisite skills for the grade level of Integrated Physics and Chemistry (IPC) TEKS. In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry with the following topics: force, motion, energy, and matter.

Basic Biology

TEDS: 03010200

KISD: M3103

Credit: 1

Grade: 9-12

Recommended prerequisite: ARD decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Biology TEKS. The course may cover cell structure and function of systems in organisms, scientific processes and basic concepts of biochemistry, genetics, microbiology, botany, physiology, and zoology. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs.

Basic Chemistry

TEDS: 03040000

KISD: M3303

Credit: 1

Grade: 9-12

Recommended prerequisite: ARD decision

This course uses modified/ co-teach Chemistry content to meet the individual learning requirements of students. Students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study assorted topics including 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. Students will investigate how chemistry is an integral part of our daily lives. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs.

Basic Aquatic Science

TEDS: 03030000

KISD: M3513

Credit: 1

Grade: 10-12

Prerequisite: Biology and ARD decision

This course meets the individual learning requirements of students by focusing on the Recommended Prerequisite skills for the grade level Algebraic Reasoning TEKS. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs. In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Investigations and fieldwork in the course may emphasize fresh water or marine aspects of aquatic science depending primarily upon the natural resources available for students near the school. Student who successfully complete Aquatic Science will acquire knowledge about a variety of aquatic systems, conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical thinking and problem solving skills.

Fundamentals of Integrated Physics and Chemistry

TEDS: 03060201

KISD: T3003

Credit: 1

Grade: 9-12

Recommended prerequisite: ARD decision

This course meets student requirements by focusing on Recommended Prerequisite skills for the grade level of Integrated Physics and Chemistry (IPC) TEKS. In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry with the following topics: force, motion, energy, and matter.

Fundamentals of Biology

TEDS: 03010207

KISD: T3103

Credit: 1

Grade: 9-12

Recommended prerequisite: ARD decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Biology TEKS. The course may cover cell structure and function of systems in organisms, scientific processes and basic concepts of biochemistry, genetics, microbiology, botany, physiology, and zoology. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs..

Fundamentals of Chemistry

TEDS: 03040000

KISD: T3303

Credit: 1

Grade: 9-12

Recommended prerequisite: ARD decision

This course uses alternate Chemistry content to meet the individual learning requirements of students. Students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study various topics including 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. Students will investigate how Chemistry is an integral part of our daily lives. Some variation in course content/emphasis may occur on campus Depending on the students' individual learning needs.

Fundamentals of Aquatic Science

TEDS: 03030000

KISD: T3513

Credit: 1

Grade: 10-12

Prerequisite: Biology and ARD decision

This course meets the individual learning requirements of students by focusing on the Recommended Prerequisite skills for the grade level Algebraic Reasoning TEKS. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs. In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Investigations and fieldwork in the course may emphasize fresh water or marine aspects of aquatic science depending primarily upon the natural resources available for students near the school. Student who successfully complete Aquatic Science will acquire knowledge about a variety of aquatic systems, conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical thinking and problem solving skills.

SOCIAL STUDIES COURSES

World Geography

TEDS: 03320100

KISD: 4203/C4203

Credit: 1

Grade: 9

Recommended prerequisite: None

In World Geography Studies, students examine people, places, and environments at local, regional, national, and international scales through spatial and ecological perspectives. They explore the influence of geography on past and present events with emphasis on contemporary issues. The course focuses on physical processes that shape the environment; the characteristics and interrelationships of landforms, climates, and ecosystems; and the political, economic, and social processes that shape cultural patterns of regions. Students study settlement patterns, population distribution and movement, and the concept of region. Students will also compare how cultural components influence regions and analyze the impact of technology and human modifications on the environment. Using problem-solving and decision-making skills, students investigate geographic questions through primary and secondary sources such as maps, satellite images, photographs, graphs, and diagrams.

World Geography Honors

TEDS: 03320100

KISD: 4223

Credit: 1

Grade: 9

Recommended prerequisite: None

World Geography Honors is designed for mastery of the Texas Essential Knowledge and Skills as well extension beyond this mastery. In this course, critical thinking and analytical skills will be utilized in various projects including interpretation of primary and secondary source materials. Students will use their knowledge of spatial relationships, systematic physical and human processes and the interaction between people and their environment to make intelligent decisions as citizens.

AP Human Geography

TEDS: A3360100 **KISD:** 4501

Credit: 1

Grade: 9-12

Recommended prerequisite: None

AP Human Geography introduces high school students to college-level introductory human geography or cultural geography. The content is presented thematically rather than regionally and is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human–environment relationships on places, regions, cultural landscapes, and patterns of interaction. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

World History

TEDS: 03340400 **KISD:** 4103/C4103

Credit: 1

Grade: 10

Recommended prerequisite: None

World History Studies is a survey of the history of humankind. The major emphasis is on the study of significant people, events, and issues from 8000 BC 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. A variety of rich primary and secondary source material such as state papers, legal documents, charters, constitutions, biographies, autobiographies, speeches, letters, literature, music, art, and architecture will be used for students to understand the impact of world history.

AP World History: Modern Course

TEDS: A3370100 **KISD:** 4123

Credit: 1

Grade: 10

Recommended prerequisite: None

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

United States History Since 1877

TEDS: 03340100 **KISD:** 4003/C4003

Credit: 1

Grade: 11

Recommended prerequisite: None

In United States History Studies Since 1877, students study the history of the United States from 1877 to the present. The course content is based on the founding documents of the U.S. government, which provide a framework for its heritage. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies, and reform movements, including civil rights. Students examine the impact of constitutional issues on American society, evaluate the dynamic relationship of the three branches of the federal government, and analyze efforts to expand the democratic process. Students describe the relationship between the arts and popular culture and the times during which they were created. Students use critical-thinking skills and a variety of primary and secondary source material to explain and apply different methods that historians use to understand and interpret the past, including multiple points of view and historical context.

AP United States History

TEDS: A3340100 **KISD:** 4023

Credit: 1

Grade: 11

Recommended prerequisite: None

In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

DE United States History

TSU United States History 1301 & 1302

TEDS: 03340100 **KISD:** 4006

Credit: 1

Grade: 11

Required prerequisite: None

Designed for highly motivated students, this college-level course surveys the social, political, economic, cultural, and intellectual history of the United States. Enrollment requires registration with Tarleton State University.

Students who successfully complete this course will receive high school credit and, if accepted, potentially 6 college credit hours of US History Core.

United States Government

TEDS: 03330100 **KISD:** 4301

Credit: .5

Grade: 12

Recommended prerequisite: None

In United States Government, the focus is on the 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. Students learn major political ideas and forms of government in history. A significant focus of the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created. Students will explore a variety of rich primary and secondary source material such as the complete text of the U.S. Constitution, selected Federalist Papers, landmark cases of the U.S. Supreme Court, biographies, autobiographies, memoirs, speeches, letters, and periodicals that feature analyses of political issues and events.

AP United States Government and Politics

TEDS: A3330100 **KISD:** 4311

Credit: .5

Grade: 12

Recommended prerequisite: None

The AP Government and Politics is equivalent to an introductory college course in government and is taught with a college level text. The purpose of this course is to give the students an analytical perspective on government and politics in the United States through the study of general concepts used to interpret and the analysis of specific examples. The major areas of study include constitutional underpinning of the United States government; political beliefs and behaviors; political parties; interest groups and mass media; institutions of national government; public policy; and civil rights and civil liberties. The students will be required to evaluate general propositions about these areas of study and to analyze their political relationships between people and institutions using

sustained written arguments. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

DE United States Government

TSU Government 2305

TEDS: 03330100 **KISD:** 4307

Credit: .5

Grade: 12

Required prerequisite: None

Designed for highly motivated students, this college-level course teaches United States constitutional and governmental systems. Enrollment requires registration with Tarleton State University.

Students who successfully complete this course will earn high school credit and, if accepted, 3 college credit hours of Government Core.

Economics

TEDS: 03310300 **KISD:** 4302

Credit: .5

Grade: 12

Recommended prerequisite: None

In Economics, the focus is on the basic principles concerning production, consumption, and distribution of goods and services (the problem of scarcity) in the United States and a comparison with those in other countries around the world. Students analyze the interaction of supply, demand, and price. 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. Types of business ownership and market structures are discussed. The course also incorporates instruction in personal financial literacy.

AP Macroeconomics

TEDS: A3310200 **KISD:** 4322

Credit: .5

Grade: 12

Recommended prerequisite: None

AP Macroeconomics is equivalent to an introductory college course in macroeconomics and is taught with a college level text. AP Macroeconomics gives students a thorough understanding of the principles of economics that apply to an economic system. This course places particular emphasis on the study of national income and price determination and develops students' familiarity with economic performance measures, economic growth, fluctuations of outputs and prices, money, monetary and

fiscal policy and the global economy. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

DE Economics

TSU BUSI 1307 Personal Finance

TEDS: 03310300 **KISD:** 4308

Credit: .5

Grade: 12

Required prerequisite: None

Designed for highly motivated students, this college-level course is taught with an emphasis on the U.S. economy, demand-supply theory, national income, business fluctuation, fiscal policy, and monetary policy. Enrollment requires registration with Tarleton State University.

Students who successfully complete this course will receive high school credit and, if accepted, 3 college credit hours of Social and Behavioral Sciences Core.

AP Microeconomics

TEDS: A3310100 **KISD:** 4312

Credit: .5

Grade: 12

Recommended prerequisite: None

The AP Microeconomics is equivalent to an introductory college course in microeconomics and is taught with a college level text. The purpose of AP Microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumer and producers, within the larger 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 government in promoting greater efficiency and equity in the economy. The major areas of study include basic economic concepts, the nature and functions of product markets, the theory of the firm, factor markets and efficiency, equity, and the role of government. *This is an elective course and does not count toward graduation requirements.* **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Personal Financial Literacy and Economics

TEDS: 03380083 **KISD:** 4342

Credit: .5

Grade: 11-12

Recommended prerequisite: None

This course emphasizes an economic way of thinking that serves as a foundation for making personal financial decisions and addressing financial challenges. Students will study basic economics models

of supply and demand, market structures and government involvement in the economy. Students will also learn the strategies of earning and saving money, investment and long-term planning strategies.

Sheltered Social Studies I-III

TEDS: 03320100 W. Geography **KISD:** 4125

TEDS: 03340400 W. History **KISD:** 4124

TEDS: 03340100 U.S. History **KISD:** 4126

Credit: 1

Grade: 9-11

Required prerequisite: Language Proficiency test and/or LPAC recommendation

Enrollment is limited to Emergent Bilingual students indicated as English learners in 9th-12th grades. Placement in Sheltered Social Studies I-III will be determined through language proficiency tests and LPAC recommendations. Sheltered Social Studies courses align with the state and district requirements for Social Studies I-III. Sheltered classes may substitute for the required Social Studies credits.

AP European History

TEDS: A3340200 **KISD:** 4503

Credit: 1

Grade: 11-12

Recommended prerequisite: None

AP European History is designed to be the equivalent of an introductory college or university survey of modern European history. Students will investigate significant events, individuals, developments and processes from approximately 1450 to the present. Students will develop and use the same skills employed by historians including analyzing primary and secondary sources and developing historical arguments. The course will focus on seven themes that will enable students to make connections among historical developments throughout different times and places. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Psychology

TEDS: 03350100 **KISD:** 4402

Credit: .5

Grade: 11-12

Recommended prerequisite: None

Psychology gives students the opportunity to study individual and group psychology. Students learn how the knowledge, methods and theories of psychologists are applied to analyzing human behavior. Course content is organized to help students develop critical attitudes toward superficial generalization about human behavior and to achieve a better understanding of human behavior in general.

AP Psychology

TEDS: A3350100 / 03380001

KISD: 4404

Credit: 1

Grade: 11-12

Recommended prerequisite: None

AP Psychology is equivalent to an introductory college course in Psychology. This class introduces students to the systematic and scientific study of the behavior of humans and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the minor subfields within psychology. They also learn about the methods psychologists use in their science and practice. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Sociology

TEDS: 03370100

KISD: 4401

Credit: .5

Grade: 11-12

Recommended prerequisite: None

Sociology includes the nature of sociology, culture, socialization, groups, institutions, communication, and cultural development and change. The concepts will remain constant; however, the content may vary depending on the student's interest. The student will have a chance to explore the major tools of sociology. These will include analyzing types of groups and interaction among groups, understanding the impact of media on groups and analyzing the impact science and technology on people and culture.

Ethnic Studies: African American Studies

TEDS: 03380085

KISD: 4305

Credit: 1

Grade: 10-12

In Ethnic Studies: African American Studies, an elective course, students learn about the history and cultural contributions of African Americans. This course is designed to assist students in understanding issues and events from multiple perspectives. This course develops an understanding of the historical roots of African American culture, especially as it pertains to social, economic, and political interactions within the broader context of United States history. It requires an analysis of important ideas, social and cultural values, beliefs, and traditions. To support the teaching of the essential knowledge and skills, the use of a variety of rich primary and secondary source material such as biographies, autobiographies, landmark cases of the U.S. Supreme Court, novels, speeches, letters, diaries, poetry, songs, and artwork is encouraged.

Ethnic Studies: Mexican American Studies

TEDS: 03380084 **KISD:** 6014

Credit: 1

Grade: 10-12

Recommended prerequisite: None

In Ethnic Studies: Mexican American Studies, an elective course, students learn about the history and cultural contributions of Mexican Americans. Students explore history and culture from an interdisciplinary perspective. The course emphasizes events in the 20th and 21st centuries, but students will also engage with events prior to the 20th century.

Personal Financial Literacy

TEDS: 03380082 **KISD:** 4504

Credit: .5

Grade: 10-12

Recommended prerequisite: None

Personal Financial Literacy will develop citizens who have 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 knowledge gained in this course has far-reaching effects for students personally as well as the economy. When citizens make wise financial decisions, they gain opportunities to invest in themselves, build businesses, consume goods and services in a responsible way, and secure a future without depending on outside assistance. The economy benefits from the optimal use of resources, increased consumption, and strong local businesses. State and local governments benefit with steady revenue streams and reduced future obligations as our society ages.

Special Topics in Social Studies: Hebrew Scriptures

TEDS: 03380052 **KISD:** 6050

Credit: .5

Grade: 9-12

Recommended prerequisite: None

This elective social studies course will follow federal law maintaining religious neutrality and will consider the Hebrew scripture in a secular and academic context. Students will study biblical content and narratives that are prerequisites to understanding their impact on contemporary society and culture, including literature, art, music, tradition, morals, laws, history, and government. The course will be objective and academic in nature, requiring students to use their analytical abilities. It will compare religion and the history of religion for literary and/or historical qualities.

Special Topics in Social Studies: New Testament

TEDS: 03380062 **KISD:** 6070

Credit: .5

Grade: 9-12

Recommended prerequisite: None

This elective social studies course will follow federal law maintaining religious neutrality and will consider the New Testament scripture in a secular and academic context. Students will study biblical content and narratives that are prerequisites to understanding their impact on contemporary society and culture, including literature, art, music, tradition, morals, laws, history, and government. The course will be objective and academic in nature, requiring students to use their analytical abilities. It will compare religion and the history of religion for literary and/or historical qualities.

Basic World Geography

TEDS: 03220100 **KISD:** M4203

Credit: 1

Grade: 9

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level World Geography TEKS. This course involves study of the interaction of people and cultures with their physical environment in the world's major areas: attention to the locations of natural resources, geographic boundaries, landforms, economic development, language, patterns of settlement, and the interaction of cultures and nations within the context of global development. Activities use critical thinking skills and technology resources designed to assist students in recognizing how understanding events in World Geography will influence our country and our people. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs.

Basic World History

TEDS: 03340400 **KISD:** M4103

Credit: 1

Grade: 10

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level World History TEKS. The course focuses on the historical development of human society from past to present. Emphasis placed on major events, world leaders, economic and political institutions, technological innovations, and the philosophical and religious beliefs that have shaped the modern world. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs.

Basic United States History

TEDS: 03340100

KISD: M4003

Credit: 1

Grade: 11

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level U.S. History TEKS. The course focuses on U.S. history from Reconstruction to the present. Students review and evaluate major themes and events in U.S. history, leaders, economic and political institutions, technological innovations, and the philosophies that affect the United States today. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs.

Basic Government/Economics

TEDS: 03330100 Government **KISD:** M4301

TEDS: 03310300 Economics **KISD:** M4302

Credit: .5 each

Grade: 12

Recommended prerequisite: ARD Decision

Government and Economics modified/ co-teach courses will enable the student to define their rights, privileges and responsibilities within the school, community, and employment settings. Concepts include voting, laws, and consequences of unlawful behavior, honesty, integrity, community volunteerism, rules, and regulations. Students are instructed on how to be productive and safe in community situations including employment. Students will become familiar with the basic concepts of personal responsibility related to employability and being a productive, contributing member of a business, community and/or organization. History studies will provide a survey of the history and development of our world's area and cultures with emphasis on social, cultural, economic, and political developments of the United States of America.

Fundamentals of World Geography

TEDS: 03220100

KISD: T4203

Credit: 1

Grade: 9

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level World Geography TEKS. This course involves study of the interaction of people and cultures with their physical environment in the world's major areas: attention to the locations of natural resources, geographic boundaries, landforms, economic development, language, patterns of settlement, and the interaction of cultures and nations within the context of global development. Activities use critical thinking skills and technology resources designed to assist students in recognizing how understanding events in World Geography will influence our country and

our people. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs.

Fundamentals of World History

TEDS: 03340400

KISD: T4103

Credit: 1

Grade: 10

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level World History TEKS. The course focuses on the historical development of human society from past to present. Emphasis placed on major events, world leaders, economic and political institutions, technological innovations, and the philosophical and religious beliefs that have shaped the modern world. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs.

Fundamentals of United States History

TEDS: 03340107

KISD: T4003

Credit: 1

Grade: 11

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level U.S. History TEKS. The course focuses on U.S. history from Reconstruction to the present. Students review and evaluate major themes and events in U.S. history, leaders, economic and political institutions, technological innovations, and the philosophies that affect the United States today. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs.

Fundamentals of Government/Economics

TEDS: 03330100 Government **KISD:** T4301

TEDS: 03310300 Economics **KISD:** T4302

Credit: .5 each

Grade: 12

Recommended prerequisite: ARD Decision

Government and Economics Alternate courses will enable the student to define their rights, privileges and responsibilities within the school, community, and employment settings. Concepts include voting, laws, and consequences of unlawful behavior, honesty, integrity, community volunteerism, rules, and regulations. Students are instructed on how to be productive and safe in community situations including employment. Students will become familiar with the basic concepts of personal responsibility related to employability and being a productive, contributing member of a business, community and/or organization. History studies will provide a survey of the history and development

of our world's area and cultures with emphasis on social, cultural, economic, and political developments of the United States of America.

WORLD LANGUAGE COURSES

American Sign Language I (ASL I)

TEDS: 03980100

KISD: 6403

Credit: 1

Grade: 9-12

Recommended prerequisite: None

Through the use of projects, presentations, games, authentic material, peer to peer interaction, direct instruction, and other fun activities, students will do the following: engage in direct signed communication with others without voice, demonstrate an understanding of receptively viewed communication, present to an audience, make comparisons of the American Deaf culture with their own, and use ASL to make connections to other subject areas and to acquire information. Students in Level I can perform the novice language learner's tasks. Students in ASL I are expected to reach proficiency levels as follows: interpersonal receptive, novice mid; interpersonal expressive, novice mid; interpretive receptive, novice high; and presentational expressive, novice high. Upon successful completion of this course, students are encouraged to enroll in ASL II.

American Sign Language II (ASL II)

TEDS: 03980200

KISD: 6413

Credit: 1

Grade: 9-12

Recommended prerequisite: ASL I

ASL II provides a fun, interactive, context- driven and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct signed communication with others without voice, demonstrate an understanding of receptively viewed communication, present to an audience, make comparisons of the American Deaf culture with their own, and use ASL to make connections to other subject areas and to acquire information. Students in ASL II are expected to reach proficiency levels as follows: interpersonal receptive, novice mid; interpersonal expressive, intermediate low; interpretive receptive, intermediate low; and presentational expressive,

intermediate mid. Upon successful completion of this course, students are encouraged to enroll in ASL III.

American Sign Language III (ASL III)

TEDS: 03980300

KISD: 6423

Credit: 1

Grade: 10-12

Recommended prerequisite: ASL II

ASL III provides a fun, interactive, open ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct signed communication with others without voice, demonstrate an understanding of receptively viewed communication, present to an audience, make comparisons of the American Deaf culture with their own, and use ASL to make connections to other subject areas and to acquire information. Students in ASL III are expected to reach proficiency levels as follows: interpersonal receptive, intermediate mid; interpersonal expressive, advanced low; interpretive receptive, intermediate low; and presentational expressive, advanced low. Upon successful completion of this course, students are encouraged to enroll in ASL IV.

American Sign Language IV (ASL IV)

TEDS: 03980400

KISD: 6424

Credit: 1

Grade: 12

Recommended prerequisite: ASL III

ASL IV provides a fun, interactive, open ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct signed communication with others without voice, demonstrate an understanding of receptively viewed communication, present to an audience, make comparisons of the American Deaf culture with their own, employ expressive and receptive skills for comprehension, and use ASL to make connections to other subject areas and to acquire information. Students in ASL IV are expected to reach proficiency levels as follows: interpersonal receptive, intermediate high; interpersonal expressive, advanced high; interpretive receptive, intermediate high; and presentational expressive, advanced high.

French I

TEDS: 03410100

KISD: 6113

Credit: 1

Grade: 9-12

Recommended prerequisite: None

French I focuses on developing students' ability to communicate in French at a Novice Level. The course is primarily taught in French to improve comprehension skills. Students are also expected to

participate fully in French and use as little English as possible. As novice language learners, students will communicate using words, phrases, and simple sentences. Throughout the year students will participate in conversations on a variety of familiar topics. Assessments are aimed at determining students' ability to communicate with the language and are focused on listening, speaking, reading, and writing. Students in Level I are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of the course, students are encouraged to enroll in French II.

French I Honors

TEDS: 03410100

KISD: 6103

Credit: 1

Grade: 9-12

Recommended prerequisite: None

French I Honors covers the French I curriculum while focusing on developing students' ability to communicate in French at the Novice Level but goes into added depth with the French language while engaging in AP style questioning, responses, and tasks. This course begins preparing students for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level I Honors are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in French II Honors.

French II

TEDS: 03410200

KISD: 6123

Credit: 1

Grade: 9-12

Recommended prerequisite: French I

French II continues to develop students' ability to communicate using the French language. The course is primarily taught in French to help students continue to improve their listening and reading skills. Students are expected to communicate fully in French as well. Their communication will still consist mainly of familiar words, phrases and simple sentences with simple elaboration and simple supporting statements. Students will be able to express their thoughts and opinions on a variety of topics. Assessments continue to focus on the communicative skills of listening, speaking, reading, and writing. Students in Level II are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the study. Upon successful completion of this course, students are encouraged to enroll in French III Honors.

French II Honors

TEDS: 03410200

KISD: 6173

Credit: 1

Grade: 9-12

Recommended prerequisite: French I Honors

French II Honors covers the French II curriculum but goes into added depth with the French language while engaging in AP style questioning, responses, and tasks. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level II Honors are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the study. Upon successful completion of this course, students are encouraged to enroll in French III Honors.

French III Honors

TEDS: 03410300

KISD: 6133

Credit: 1

Grade: 10-12

Recommended prerequisite: French II or French II Honors

French III Honors continues to develop students' ability to communicate using the French language. The course is taught in French to help students continue to improve their listening and reading skills. Students are expected to communicate fully in French as well. Their communication will consist mainly of a mixture of short statements, sentences, and strings of sentences with simple elaboration and supporting statements. Students will be able to express their thoughts and opinions on various topics. Assessments continue to focus on communicative listening, speaking, reading, and writing. French III Honors goes into added depth with the French language while engaging in AP style questioning, responses, and tasks with a stronger emphasis on original and creative production in the target language. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level III Honors are expected to reach a proficiency level of Intermediate Low to Intermediate Mid by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in AP French IV.

AP French IV

TEDS: A3410100

KISD: 6143

Credit: 1

Grade: 11-12

Recommended prerequisite: French III Honors

French IV AP is designed for students to explore a variety of themes driven by the College Board in the French language while engaging in AP style questioning, responses, and tasks. At the end of this course, students have the chance to earn college credit after successfully completing the AP Language and Culture exam. With a stronger emphasis on original and creative production in the

target language, French IV AP provides a fun, interactive, open-ended, and engaging atmosphere through which the students will participate in a variety of activities to: engage in direct oral and written communication with others, demonstrate understanding of spoken and written communication, present information to an audience, make comparisons and connections to their own culture through authentic resources and interpret culturally authentic materials. Students in Level IV are expected to reach a proficiency level of Intermediate Mid to Intermediate High by the end of the course of study.

German I

TEDS: 03420100

KISD: 6213

Credit: 1

Grade: 9-12

Recommended prerequisite: None

German I focuses on developing students' ability to communicate in German at a Novice Level. The course is primarily taught in German in order to improve comprehension skills. Students are also expected to participate fully in German and use as little English as possible. As novice language learners, students will communicate using words, phrases, and simple sentences. Throughout the year students will participate in conversations on a variety of familiar topics. Assessments are aimed at determining students' ability to communicate with the language and are focused on listening, speaking, reading, and writing. Students in Level I are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of the course, students are encouraged to enroll in German II.

German I Honors

TEDS: 03420100

KISD: 6203

Credit: 1

Grade: 9-12

Recommended prerequisite: None

German I Honors covers the German I curriculum while focusing on developing students' ability to communicate in German at the Novice Level but goes into added depth with the German language while engaging in AP style questioning, responses, and tasks. This course begins preparing students for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level I Honors are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in German II Honors.

German II

TEDS: 03420200

KISD: 6223

Credit: 1

Grade: 9-12

Recommended prerequisite: German I

German II continues to develop students' ability to communicate using the German language. The course is primarily taught in German to help students continue to improve their listening and reading skills. Students are expected to communicate fully in German as well. Their communication will still consist mainly of familiar words, phrases and simple sentences with simple elaboration and simple supporting statements. Students will be able to express their thoughts and opinions on various topics. Assessments continue to focus on the communicative skills of listening, speaking, reading, and writing. Students in Level II are expected to reach a proficiency level of Novice High to Intermediate Low by the end of study. Upon successful completion of this course, students are encouraged to enroll in German III Honors.

German II Honors

TEDS: 03420200

KISD: 6273

Credit: 1

Grade: 9-12

Recommended prerequisite: German I Honors

German II Honors covers the German II curriculum but goes into added depth with the German language while engaging in AP style questioning, responses, and tasks. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level II Honors are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in German III Honors.

German III Honors

TEDS: 03420300

KISD: 6233

Credit: 1

Grade: 10-12

Recommended prerequisite: German II or German II Honors

German III Honors continues to develop students' ability to communicate using the German language. The course is taught in German to help students continue to improve their listening and reading skills. Students are expected to communicate fully in German as well. Their communication will consist mainly of a mixture of short statements, sentences, and strings of sentences with simple elaboration and supporting statements. Students will be able to express their thoughts and opinions on a variety of topics. Assessments continue to focus on the communicative skills of listening, speaking, reading,

and writing. German III Honors goes into added depth with the German language while engaging in AP style questioning, responses, and tasks with a stronger emphasis on original and creative production in the target language. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level III Honors are expected to reach a proficiency level of Intermediate Low to Intermediate Mid by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in AP German IV.

AP German IV

TEDS: A3420100

KISD: 6243

Credit: 1

Grade: 11-12

Recommended prerequisite: German III Honors

German IV AP is designed for students to explore a variety of themes driven by the College Board in the German language while engaging in AP style questioning, responses, and tasks. At the end of this course, students have the chance to earn college credit after successfully completing the AP Language and Culture exam. With a stronger emphasis on original and creative production in the target language, German IV AP provides a fun, interactive, open-ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication, demonstrate understanding of spoken and written communication, present information to an audience, make comparisons and connections to their own culture through authentic resources, and interpret culturally authentic materials. Students in Level IV are expected to reach a proficiency level of Intermediate Mid to Intermediate High by the end of the course of study.

German V

TEDS: 03420500

KISD: 6263

Credit: 1

Grade: 12

Recommended prerequisite: German IV

This course builds on the skills acquired in German I, II, III, and IV. Structure and vocabulary from the previous courses will be reviewed. Students will continue to develop more advanced skills in speaking, listening, reading, and writing. German is spoken extensively in the classroom, and writing assignments will be based on German literature and Germanic culture. Students will gain an understanding of two basic aspects of human existence: the nature of communication and the complexity of culture. Students will become aware of multiple perspectives and means of expression, which lead to an appreciation of difference and diversity. Students in Level V are expected to reach a proficiency level of Intermediate High to Advanced Mid by the end of the course of study.

Spanish I

TEDS: 03440100

KISD: 6013

Credit: 1

Grade: 9-12

Recommended prerequisite: None

Spanish I focuses on developing students' ability to communicate in Spanish at a Novice Level. The course is primarily taught in Spanish in order to improve comprehension skills. Students are also expected to participate fully in Spanish and use as little English as possible. As novice language learners, students will communicate using words, phrases, and simple sentences. Throughout the year students will participate in conversations on a variety of familiar topics. Assessments are aimed at determining students' ability to communicate with the language and are focused on listening, speaking, reading, and writing. Students in Level I are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of the course, students are encouraged to enroll in Spanish II.

Spanish I Honors

TEDS: 03440100

KISD: 6003

Credit: 1

Grade: 9-12

Recommended prerequisite: None

Spanish I Honors covers the Spanish I curriculum while focusing on developing students' ability to communicate in Spanish at the Novice Level but goes into added depth with the Spanish language while engaging in AP style questioning, responses, and tasks. This course begins preparing students for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level I Honors are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Spanish II Honors.

Spanish II

TEDS: 03440200

KISD: 6033

Credit: 1

Grade: 9-12

Recommended prerequisite: Spanish I

Spanish II continues to develop students' ability to communicate using the Spanish language. The course is primarily taught in Spanish to help students continue to improve their listening and reading skills. Students are expected to communicate fully in Spanish as well. Their communication will still consist mainly of familiar words, phrases and simple sentences with simple elaboration and simple supporting statements. Students will be able to express their thoughts and opinions on various topics. Assessments continue to focus on the communicative skills of listening, speaking, reading, and writing. Students in Level II are expected to reach a proficiency level of Novice High to Intermediate

Low by the end of study. Upon successful completion of this course, students are encouraged to enroll in Spanish III or Spanish III Honors.

Spanish II Honors

TEDS: 03440200

KISD: 6083

Credit: 1

Grade: 9-12

Recommended prerequisite: Spanish I Honors

Spanish II Honors covers the Spanish II curriculum but goes into added depth with the Spanish language while engaging in AP style questioning, responses, and tasks. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level II Honors are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the study. Upon successful completion of this course, students are encouraged to enroll in Spanish III Honors.

Spanish III Honors

TEDS: 03440300

KISD: 6043

Credit: 1

Grade: 10-12

Recommended prerequisite: Spanish II Honors

Spanish III Honors continues to develop students' ability to communicate using the Spanish language. The course is taught in Spanish to help students continue to improve their listening and reading skills. Students are expected to communicate fully in Spanish as well. Their communication will consist mainly of a mixture of short statements, sentences, and strings of sentences with simple elaboration and supporting statements. Students will be able to express their thoughts and opinions on various topics. Assessments continue to focus on the communicative skills of listening, speaking, reading, and writing. Spanish III Honors goes into added depth with the Spanish language while engaging in AP style questioning, responses, and tasks with a stronger emphasis on original and creative production in the target language. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level III Honors are expected to reach a proficiency level of Intermediate Low to Intermediate Mid by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in AP Spanish IV.

AP Spanish IV

TEDS: A3440100

KISD: 6053

Credit: 1

Grade: 11-12

Recommended prerequisite: Spanish III Honors

Spanish IV AP is designed for students to explore a variety of themes driven by the College Board in the Spanish language while engaging in AP style questioning, responses, and tasks. At the conclusion of this course, students have the opportunity to earn college credit after successful completion of the AP Language and Culture exam. With a stronger emphasis on original and creative production in the target language, Spanish IV AP provides a fun, interactive, open-ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication, demonstrate understanding of spoken and written language, present information to an audience, make comparisons and connections to their own culture through authentic resources and interpret culturally authentic materials. Students in Level IV are expected to reach a proficiency level of Intermediate Mid to Intermediate High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in AP Spanish V.

AP Spanish V

TEDS: A3440200

KISD: 6063

Credit: 1

Grade: 11-12

Recommended prerequisite: Spanish IV

Spanish V AP is designed for students to explore, analyze, and respond to a variety of literature pieces provided by the College Board in the Spanish language while engaging in AP style questioning, responses, and tasks. At the end of this course, students can earn additional college credit after successfully completing the AP Literature and Culture exam. Spanish V AP provides a fun, interactive, open ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication, demonstrate understanding of spoken and written language, present information to an audience, make comparisons and connections to their own culture through authentic resources, and interpret culturally authentic materials. Students in Level V are expected to reach a proficiency level of Intermediate High to Advanced Mid by the end of the course of study.

Computer Science I Honors

TEDS: 03580200

KISD: 82301

Credit: 1

Grade: 9-12

Recommended prerequisite: Algebra I

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. 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. By using computer science 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. This course's purpose is to continue to AP Computer Science and prepare for the AP exam. This course may count as a LOTE credit. Class is taught at the Keller Center for Advanced Learning.

Computer Science II: Python Programming

TEDS: 3580300 **KISD:** 82342

Credit: 1

Grade: 10-12

Prerequisite: AP Computer Science

In this course, students will deepen their understanding of computer science by focusing on Python, one of the most widely used programming languages in the industry. Through hands-on projects, students will design, implement, and present meaningful programs, fostering creativity and innovation. Collaboration with peers and instructors is encouraged to solve complex problems using Python. Students will engage in data analysis, develop search strategies, and apply computer science concepts to access, analyze, and evaluate information. The course emphasizes the importance of selecting appropriate technologies, synthesizing knowledge, creating solutions, and evaluating results. Additionally, students will explore digital citizenship by understanding current laws, regulations, and ethical practices. Upon successful completion, students will have the opportunity to earn a certification in Python programming, enhancing their readiness for careers in software development. This course counts as a Language Other Than English (LOTE) credit and receives Advanced Placement (AP) weight in GPA calculations.

Computer Science III: Video Game Design

TEDS: 03580350 **KISD:** 82343

Credit: 1

Grade: 10-12

Prerequisite: AP Computer Science

This advanced course in computer science centers on the exciting field of video game design, with a focus on utilizing Unreal Engine, a leading industry tool. Students will enhance their creativity and innovation by designing, implementing, and presenting meaningful video game projects. Through hands-on experiences, they will collaborate with peers and instructors to solve complex challenges using advanced computer science concepts. The course emphasizes the importance of data analysis, task planning, and selecting the appropriate technologies for game development. Students will

develop and apply their skills in areas such as game mechanics, 3D modeling, and interactive storytelling, while also learning about digital citizenship, including the ethical use of technology and adherence to current laws and regulations. By mastering advanced data structures and technology operations, students will be well-prepared for careers in game design and software development. This course counts as a Language Other Than English (LOTE) credit and receives Advanced Placement (AP) weight in GPA calculations.

AP Computer Science

TEDS: A3580110, A3580120

KISD: 82340

Credit: 2

Grade: 10-12

Recommended prerequisite: Computer Science I Honors

AP Computer Science A is equivalent to a first-semester, college-level course in computer science and is a continuation of Computer Science I. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities. This course will strengthen the skills developed in Computer Science I. It involves more detailed programming using records, set, stacks, pointers, and recursion. AP students prepare to take the Advanced Placement Exam in May for possible college credit. This course counts as a math credit. This course may also count as a LOTE credit. Students earn 2 credits for this course, but the course is taught in 1 class period. Class is taught at the Keller Center for Advanced Learning.

FINE ARTS COURSES

Choir I-IV

TEDS: 03150900 **KISD:** 7601

TEDS: 03151000 **KISD:** 7602

TEDS: 03151100 **KISD:** 7603

TEDS: 03151200 **KISD:** 7604

Credit: 1

Grade: 9-12

Recommended prerequisite: Audition

Choir courses are divided into Varsity and Non-Varsity Choirs. The repertoire includes traditional choral music and music of all style periods and genres. Students will study vocal/choral techniques, music theory, music literacy, and music history/culture. There are several performance and audition opportunities, both individually and collectively, in which the students will participate. Concert performances are required.

Music I-IV

Jazz Ensemble/Show Choir

TEDS: 03151300 I **KISD:** Various

TEDS: 03151400 II

TEDS: 03151500 III

TEDS: 03151600 IV

Credit: 1

Grade: 9-12

Required prerequisite: Concurrent enrollment in a choir course and audition

This auditioned course is dedicated to the campus Show Choir. Its students are the ambassadors of the High School Choir Program and regularly perform off campus at various community functions. Students must be able to dance and sing. This **class can only be taken in conjunction with a current choir course**. If a student does not meet the standards to be in Choir, they would be unable to perform at the ability needed to participate in this course. Students electing to use this course towards the required PE credit for graduation will have the course coded with a "7" on the transcript to fulfill that requirement. Students may elect to use any level (I-IV) of Jazz Ensemble/Show Choir to fulfill the required PE credit, however, this can be used only once.

Music I-IV

Vocal Ensemble

TEDS: 03152100 I **KISD:** Various

TEDS: 03152200 II

TEDS: 03152300 III

TEDS: 03152400 IV

Credit: 1

Grade: 9-12

Required prerequisite: Concurrent enrollment in a choir course and audition

This class is designed for students whose knowledge of music has reached high school expectations.

This class can only be taken with a current choir course. If a student does not meet the standards to be in Choir, they would be unable to perform at the ability needed to participate in the Vocal Ensemble class. Materials covered in this class include advanced vocal/choral methods, advanced music theory, advanced music literacy, and advanced music history/culture.

Band I-IV

TEDS: 03150100 **KISD:** 7001

TEDS: 03150200 **KISD:** 7002

TEDS: 03150300 **KISD:** 7003

TEDS: 03150400 **KISD:** 7004

Grade: 9-12

Recommended prerequisite: Audition

Band courses are divided into Wind Ensemble, Symphonic Band and Concert Bands. The primary focus on each level is developing musical and technical skills that will be necessary for the student's success in any ensemble. There are several performance and audition opportunities, both individually and collectively, in which the students will participate. Students are also required to enroll in band for the full school year and participate in all extracurricular activities related to the marching band. Upper-level classes will have several required performances throughout the year.

Color Guard I-IV

TEDS: 03153400 I **KISD:** 71501

TEDS: 03153500 II **KISD:** 71502

TEDS: 03153600 III **KISD:** 71503

TEDS: 03153700 IV **KISD:** 71504

Credit: 1

Grade: 9-12

Required prerequisite: Audition; previous dance experience is helpful, but not required

Students must audition to be accepted in color guard. This course deals with learning the basics of color guard performance (flag techniques, body movement, and performance skills). This is one of the many sections that make up the marching band that will perform at football games, marching

contests, parades, and pep rallies. By taking this course, the student understands that they must attend all rehearsals, performances, and contests that take place outside the school day (regardless of placement). In addition, members will need to attend camps and other rehearsals that may take place during school vacations. After the marching season students will participate in winter guard season, learning more comprehensive, in-depth skills while performing indoors. Students will audition for one of several ability-based winter guard groups at the end of the fall semester.

Music I-IV

Applied Music

TEDS: 03152500 I **KISD:** Various

TEDS: 03152600 II

TEDS: 03152601 III

TEDS: 03152602 IV

Credit: 1

Grade: 9-12

Required prerequisite: Concurrent enrollment in a band course and audition

This class is designed for those students with a need for a deeper knowledge of instrumental music. This course is designed to cater specifically to individual student needs. The course covers a wide range of topics including, but not limited to: individual performance, introduction to music theory, and small ensemble playing. Students from all abilities and band classes are encouraged to join. **This class can only be taken in conjunction with the current Band course.**

Jazz I-IV

Jazz Improv

TEDS: 03153000 I **KISD:** Various

TEDS: 03153100 II

TEDS: 03153200 III

TEDS: 03153300 IV

Credit: 1

Grade: 9-12

Required prerequisite: Concurrent enrollment in a band course and audition

This course is designed to offer student exposure to various jazz styles through the rehearsal and performance of classical literature and the most current writing for jazz ensembles. The course will train students in areas such as aural skills, chord analysis, improvisation, jazz history, and small combo playing. **This class can only be taken in conjunction with the current Band course.**

AP Music Theory

TEDS: A3150200 **KISD:** 7153

Credit: 1

Grade: 11-12

Recommended prerequisite: Strong background in music theory and concurrent enrollment in band or choir. Students who do not meet grade level requirements must get approval from the course instructor.

This course requires a background in music theory and a familiarity with reading music. This course prepares students for college-level music theory and is designed for students who are going to major or minor in some sort of music study in college. This course will provide skills necessary to thrive in music theory at the college level such as learning about major or minor scales, modes, intervals, chord progressions, and part-writing. This course will also cover aural skills such as melodic dictation, music history, aural identification of intervals and chords, and error detection. The culmination of the course will be a composition project for voices or instruments. **Students enrolling in this class are expected to take the Advanced Placement Exam in May for possible college credit.**

Orchestra I-IV

TEDS: 03150500 I **KISD:** 7091

TEDS: 03150600 II **KISD:** 7092

TEDS: 03150700 III **KISD:** 7094

TEDS: 03150800 IV **KISD:** 7095

Credit: 1

Grade: 9-12

Required prerequisite: None

Orchestra is designed to train the intermediate and advanced string player in proper performance and rehearsal techniques, and to develop their potential through rehearsal and performance opportunities. Instrumental technique, history, and theory concepts are discussed and applied through the study and performance of appropriate literature. The student will develop self-discipline, responsibility, confidence, poise, the ability to work with others, and a sense of pride, as they rehearse and perform with the ensemble.

Dance I

TEDS: 03830100 **KISD:** 73001

Credit: 1

Grade: 9-12

Recommended prerequisite: None

Dance 1 is a broad overview of dance as an art form. This course introduces students to practices, philosophies, terminologies, and various styles of dance through movement. Students will study basic choreographic elements and principles and can perform. **Students electing to use this course towards the required PE credit for graduation will have the course coded with a “7” on the transcript to fulfill that requirement.**

Unified Dance I

TEDS: 03830100

KISD: 73000

Credit: 1

Grade: 9-12

Recommended prerequisite: None

Unified Dance is a success-oriented course for students with an IEP and general education peer partners. Each general education student is uniquely matched with a student with an IEP. During the first week of class, training will be provided to prepare the students to be successful in their role. Unified Dance is focused on building independence, community, empathy, management skills, and artistic growth in a dance learning environment for students of all levels. Opportunities to explore various dance areas of study may include jazz, ballet, tap, hip-hop, choreography, and dance elements and principles. Unified Dance emphasizes leadership skills in making connections in a partnership which may appeal to future educators, counselors, healthcare workers or career coaches and advocates. **Students electing to use this course towards the required PE credit for graduation will have the course coded with a “7” on the transcript to fulfill that requirement.**

Dance II

TEDS: 03830200

KISD: 73002

Credit: 1

Grade: 10-12

Recommended prerequisite: Dance I

Dance II is the study of dance as an art form. This course refines and reinforces the skills acquired in Dance I and familiarizes the student with practices, philosophies, terminologies, and various styles of dance with a concentration of more complex movement phrases. Students will construct dance compositions and perform.

Dance III

TEDS: 03830300

KISD: 73003

Credit: 1

Grade: 11-12

Recommended prerequisite: Dance II

Dance III is the intermediate to advanced study of dance as an art form. This course refines and reinforces the skills acquired in previous dance courses. Dance III will have an emphasis on creating dance studies for production, managing, and performing in a dance production.

Dance IV

TEDS: 03830400

KISD: 73004

Credit: 1

Grade: 12

Recommended prerequisite: Dance III

Dance IV is the advanced study of dance as an art form. This course refines and reinforces the skills acquired in previous dance courses. Dance IV will have a concentration on creating original dances using choreographic processes and exploring opportunities in dance as a profession.

Jazz I/Drill Team Prep

TEDS: 03831300

KISD: 73100

Credit: 1

Grade: 9-11

Recommended prerequisite: Audition or teacher recommendation

This course provides students with a foundation in jazz technique which is critical to becoming a successful drill team dancer. It includes dance practices, philosophies, terminologies, and various styles of dance commonly found on drill teams. Students will also have the opportunity to practice audition skills and be provided with performance opportunities.

Theatre Arts I

TEDS: 03250100

KISD: 7703

Credit: 1

Grade: 9-12

Recommended prerequisite: None

Introduction to Theatre: basic acting technique, history of the Theatre, introduction to technical Theatre, voice, diction, and articulation for the stage. This course also covers basic costuming, make-up, career opportunities, and audience etiquette.

Unified Theatre Arts I

TEDS: 03250100

KISD: 7704

Credit: 1

Grade: 9-12

Recommended prerequisite: Application

Unified Theatre is a success-oriented course for students with an IEP and general education peer partners. Each general education student is uniquely matched with a student with an IEP. During the first week of class, training will be provided to prepare the students to be successful in their partnership role. Unified Theatre is focused on building independence, community, empathy, management skills, and artistic growth in a theatre arts learning environment for students of all levels. Opportunities to explore a variety of theatrical areas of study may include puppetry, character development, creative movement, voice, diction, costuming, make-up, and theatre history. Unified Theatre emphasizes leadership skills in making connections in a partnership which may appeal to future educators, counselors, healthcare workers or career coaches and advocates.

Theatre Arts II

TEDS: 03250200

KISD: 7713

Credit: 1

Grade: 10-12

Recommended prerequisite: Theatre Arts I

This course covers various acting styles, production techniques, introduction to design, children's Theatre, introduction to dance, make-up and costuming, and public performance.

Theatre Arts III

TEDS: 03250300

KISD: 7723

Credit: 1

Grade: 10-12

Recommended prerequisite: Theatre Arts II and/or teacher approval

This course covers advanced elements of Theatre, advanced acting, critiques, and evaluations, public performance including individual and group efforts, elements of rehearsals, auditioning, and playwriting. Participation in extra-curricular competitions, performance, and productions is strongly encouraged.

Theatre Arts IV

TEDS: 03250400

KISD: 7733

Credit: 1

Grade: 12

Recommended prerequisite: Theatre Arts III and/or teacher approval

This course allows the advanced student of Theatre to specialize in Theatre elements. An advanced demonstration of all Theatre aspects is expected. Participation in extracurricular competitions, performances or productions is required.

Technical Theatre I

TEDS: 03250500

KISD: 7743

Credit: 1

Grade: 9-12

Recommended prerequisite: None

This course is made for students who wish to examine the theatre's technical aspects. Students will learn how to design and build sets, create costumes and make-up, uses of lightning, sound, rigging, general upkeep of equipment and facilities, participate in theatrical house management, analyze scripts for technical needs, and use and upkeep of theatrical tools.

Technical Theatre II

TEDS: 03250600

KISD: 7753

Credit: 1

Grade: 10-12

Recommended prerequisite: Technical Theatre I

This course combines theories of design and stagecraft techniques with the construction and operation of the various elements of technical Theatre. Students will be expected to participate in all behind-the-scenes action of productions. Students electing to use this course towards the required PE credit for graduation will have the course coded with a "7" on the transcript to fulfill that requirement.

Technical Theatre III

TEDS: 03251100

KISD: 7763

Credit: 1

Grade: 11-12

Recommended prerequisite: Technical Theatre II

This course combines theories of design and stagecraft techniques with the construction and operation of various elements of the technical Theatre facility. Students are required to participate in all productions.

Technical Theatre IV

TEDS: 03251200

KISD: 7773

Credit: 1

Grade: 12

Recommended prerequisite: Technical Theatre III and teacher approval

This course combines theories of design and stagecraft techniques with the construction and operation of various elements of the Theatre facility. Students are required to participate in all productions.

Theatre Production I-IV

TEDS: 03250700 I

KISD: 7783

TEDS: 03250800 II

KISD: 7793

TEDS: 03250900 III

KISD: 7803

TEDS: 03251000 IV

KISD: 7813

Credit: 1

Grade: 9-12

Required prerequisite: Theatre Arts I and audition

This course provides practical hands-on experience in acting and stagecraft through the preparation and public performance of plays. This course may meet for a lengthened class period or outside of

the regular school hours. Participation in public performance is required. Enrollment is by audition only.

Musical Theatre I

TEDS: 03251900

KISD: 79010

Credit: 1

Grade: 10-12

Required prerequisite: Theatre Arts I or teacher approval

This course will enable students to study and perform the varied styles of musical theatre with special attention to the principles of stage movement, stage vocal technique, stage choreography, acting, characterization, and other aspects of musical production. The course will also enhance and cultivate the creative gifts of each student while encouraging a sense of self-confidence. **Students electing to use this course towards the required PE credit for graduation will have the course coded with a “7” on the transcript to fulfill that requirement.**

Musical Theatre II-IV

TEDS: 03252000 II

KISD: 79020

TEDS: 03252100 III

KISD: 79030

TEDS: 03252200 IV

KISD: 79030

Credit: 1

Grade: 11-12

Required prerequisite: Theatre Arts I, Musical Theatre I, and teacher approval

These advanced courses will enable students to pursue their passion for the Musical Theatre art form. Students will receive scaffolded comprehensive and rigorous instruction so that they may make informed choices about the craft, college, and the profession. Students will study and perform the varied styles of musical theatre while mastering important performance techniques.

Theatre III: Directing

TEDS: 03251700

KISD: 79401

Credit: 1

Grade: 10-12

Recommended prerequisite: Theatre Arts I and teacher approval

This advanced course is available once Theatre Arts I has been completed. Students are given the opportunity to enhance their ability to communicate with actors. Students explore the basic techniques of blocking with emphasis on the problems and aesthetic questions that arise.

Theatre III: Introduction to Playwriting

TEDS: 03251500

KISD: 79402

Credit: 1

Grade: 9-12

Recommended prerequisite: None

The primary goal of the course is to encourage students to write quickly, fluidly and fearlessly. There will be emphasis on experimentation and process with an emphasis on understanding script structure.

Acting for the Camera

TEDS: N1170193

KISD: 7389

Credit: 1

Grade: 10-12

Recommended prerequisite: Theatre Arts I

The purpose of this course is to apply skills introduced in theatre classes to acting for the camera. Through television, film, and commercial copy, students are introduced to basic on-camera techniques and terminology. By the end of the course, students will be comfortable with on-camera acting techniques, on-camera blocking, business, subtext, and reactions. Through technique exercises, script analysis, and scene study, students will expand their range of emotional, intellectual, physical, and vocal expressiveness and be able to successfully prepare for on-camera auditioning.

Art I

TEDS: 03500100

KISD: 7403

Credit: 1

Grade: 9-12

Recommended prerequisite: None

This comprehensive study stresses the elements and principles of art and their uses in two and three-dimensional art. Various media and art forms are used to gain understanding of the basics. This course is the Recommended Prerequisite for all specialized classes.

Unified Art I

TEDS: 03500100

KISD: 7402

Credit: 1

Grade: 9-12

Recommended prerequisite: None

Unified Art is a success-oriented course for students with an IEP and general education peer partners. Each general education student is uniquely matched with a student with an IEP. During the first week of class, training will be provided to prepare students to be successful in their partnership role. Unified Art is focused on building independence, community, empathy, management skills, and artistic growth in a visual art learning environment for students of all levels. Opportunities to explore

a variety of art areas of study may include drawing, painting, sculpture, fibers, design, and art history. Unified Art emphasizes leadership skills in making connections in a partnership which may appeal to future educators, counselors, healthcare workers or career coaches and advocates.

Art I Honors

TEDS: 03500100

KISD: 7413

Credit: 1

Grade: 9-11

Recommended prerequisite: None

This comprehensive study stresses the elements and principles of art and their uses in two and three-dimensional art. Using various media and art forms, emphasis will be given to drawing. This course is a Recommended Prerequisite for Art II Honors.

Art II Drawing

TEDS: 03500500

KISD: 7423

Credit: 1

Grade: 10-12

Recommended prerequisite: Art I

Drawing II is a comprehensive study that stresses visual awareness, drawing techniques, and media experimentation. This course stresses the traditional techniques and expands into more contemporary methods of creative expression through drawing.

Art II Drawing Honors

TEDS: 03500500

KISD: 7425

Credit: 1

Grade: 10-12

Recommended prerequisite: Art I

Drawing Honors II is a comprehensive study of drawing that stresses the elements of art and their uses in two-dimensional art. It will deal with visual awareness, drawing techniques (traditional and non-traditional). This course is a Recommended Prerequisite for the AP Drawing and 2-D Design Portfolio. Students will gain experience with a variety of media and techniques. This course will include the study of art and artists and vocabulary related to media and techniques.

Art II Digital Art and Media Honors

TEDS: 03501220

KISD: 7472

Credit: 1

Grade: 10-12

Recommended prerequisite: Art I

Digital Media emphasizes the elements and principles of art through traditional art projects completed via the computer. This course will be designated to include basic computer skills required for digital art software program utilized in the course.

Art II Painting Honors

TEDS: 03500600

KISD: 7427

Credit: 1

Grade: 10-12

Recommended prerequisite: Art I

Painting II Honors is a comprehensive study of painting that stresses the elements and principles of art. The class will deal with visual awareness and painting techniques (traditional and non-traditional). Students will study a variety of art and artists and participate in class critiques of student work and master artists' work.

Art II Sculpture Honors

TEDS: 03501000

KISD: 7463

Credit: 1

Grade: 10-12

Recommended prerequisite: Art I

Sculpture II includes objective and non-objective three-dimensional assignments. Construction skills and classical techniques are an integral part of each assignment. Students will use various mediums including wood and clay.

Art III Drawing Honors

TEDS: 03501300

KISD: 7496

Credit: 1

Grade: 11-12

Recommended prerequisite: Art II Drawing

Drawing Honors III is a comprehensive study of drawing for advanced students seeking to develop ideas on a concentrated subject or theme. This course continues to stress the elements of art and their uses in two-dimensional art. It will deal with visual awareness, drawing techniques (traditional and non-traditional). The course will allow students more time to develop the breadth of college level artwork for the AP Drawing and 2-D Design Portfolio. Students will gain experience with a variety of

media and techniques. The course will include study of art and artists and vocabulary related to media and techniques.

Art III Digital Art and Media Honors

TEDS: 03502220

KISD: 7473

Credit: 1

Grade: 11-12

Recommended prerequisite: Art II Digital Art and Media

Art III Digital Media Honors is a course to expand Art II Electronic Media and the broad interpretation of two-dimensional design issues. This course is intended to expand design skills that could be used to help develop an AP 2-D Design Portfolio. Students are asked to demonstrate higher-level proficiency in two-dimensional design using a variety of art forms and digital art software programs.

Art III Painting Honors

TEDS: 03501400

KISD: 7481

Credit: 1

Grade: 11-12

Recommended prerequisite: Art II Painting

Painting Honors III is a comprehensive study of painting for advanced students seeking to develop ideas on a concentrated subject or theme. This course continues to stress the elements of art and their uses in two-dimensional art. It will deal with visual awareness and painting techniques (traditional and non-traditional). The course will allow students more time to develop the breadth of college level artworks for the AP Art 2-D Design Portfolio. Students will gain experience with a variety of media and techniques. Course will include study of art and artists and vocabulary related to media and techniques.

Art III Sculpture Honors

TEDS: 03501900

KISD: 7490

Credit: 1

Grade: 11-12

Recommended prerequisite: Art II Sculpture

This Honors course is devoted to deliberate and systematic presentation of various three-dimensional art processes, procedures, theories, and historical developments to provide a basis for students interested in building a three-dimensional design portfolio. The approach to art experiences during this time is experimental in terms of materials but structured in terms of providing art students a strong foundation in concepts. Students will increase skills in using line, space, texture, color, form, and shape while manipulating the mediums of paper, wire, clay, plaster, cardboard, wood, etc.

Art IV Digital Art and Media Honors

TEDS: 03503220

KISD: 7513

Credit: 1

Grade: 11-12

Recommended prerequisite: Art III Digital Art and Media Honors

This advanced course is designed for students interested in creating original visual content using digital tools and technology. Students can explore a variety of media, including photography, digital illustration, graphic design, web design, and animation. The course emphasizes creative problem-solving, visual communication, and artistic perception, while encouraging the development of technical skills and personal style through concept-driven digital projects.

Art IV Sculpture Honors

TEDS: 03502800

KISD: 7502

Credit: 1

Grade: 11-12

Recommended prerequisite: Art III Sculpture Honors

This advanced studio course builds on foundational 3D art skills and is ideal for students interested in creating a personal and cohesive body of sculptural work. Students can work with materials such as clay, wire, fibers, cardboard, and mixed media, while refining techniques and exploring individual style and conceptual direction. Emphasis may be placed on form, structure, and how artwork is experienced from all angles, encouraging thoughtful and dynamic three-dimensional design. This course is ideal for students preparing a portfolio or pursuing art beyond high school.

Art IV Painting Honors

TEDS: 03502400

KISD: 7501

Credit: 1

Grade: 11-12

Recommended prerequisite: Art III Painting Honors

This advanced-level course is designed for experienced art students who want to refine their skills and explore personal expression through painting. Working with media such as acrylic, oil, watercolor, and mixed media, students can develop a cohesive body of work while investigating individual themes and experimenting with techniques. This course is ideal for students preparing a portfolio or pursuing art beyond high school.

Art IV Drawing Honors

TEDS: 03502300

KISD: 7503

Credit: 1

Grade: 11-12

Recommended prerequisite: Art III Drawing Honors

In this advanced course, students focus on developing their drawing skills through techniques such as line, value, texture, and contrast. Emphasis can be placed on observation, composition, and creative expression. Students may explore a range of drawing materials and concepts, working toward a

cohesive collection of work that reflects both technical ability and thoughtful visual ideas. This course is ideal for students preparing a portfolio or pursuing art beyond high school.

AP Art History

TEDS: A3500100 **KISD:** 7543

Credit: 1

Grade: 10-12

Recommended prerequisite: None

Advanced Placement Art History is the equivalent to an introductory course in university level art history. An exam will be administered and assessed by the College Board in May. Many colleges and universities offer advanced placement and/or credit to students who have performed successfully on the AP Art History Exam. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Studio Art: Drawing Portfolio

TEDS: A3500300 **KISD:** 7553

Credit: 1

Grade: 10-12

Recommended prerequisite: Art II Drawing

The Drawing Portfolio is designed to address a broad interpretation of drawing issues. Many types of painting, printmaking, studies of sculpture, and abstract and observational works would qualify as addressing drawing issues. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Studio Art: Two-Dimensional

Design Portfolio

TEDS: A3500400 **KISD:** 7523

Credit: 1

Grade: 10-12

Recommended prerequisite: Art II Painting

This portfolio is intended to address a very broad interpretation of two-dimensional design issues. Students are asked to demonstrate proficiency in two-dimensional design issues using a variety of art forms that may include, but are not limited to: graphic design, typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Studio Art: Three-Dimensional

Design Portfolio

TEDS: A3500500

KISD: 7533

Credit: 1

Grade: 10-12

Recommended prerequisite: Art II Sculpture or Digital Media

The three-dimensional portfolio class is designed to address a very broad interpretation of three-dimensional design issues. Students are asked to prepare a collection of works which demonstrate proficiency in the three-dimensional design techniques that may include, but are not limited to: ceramics, metal work, woodwork, textiles, paper craft, and installation **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

ATHLETICS/ PE COURSES

Athletics

TEDS: Various

KISD: Various

Credit: 1

Grade: 9-12

Recommended prerequisite: Approval from the coach of each sport

Athletics gives students the opportunity to fine-tune their athletic abilities and compete against students from other schools. Participation in athletics develops self-discipline, cooperation, leadership, responsibility, self-control, and selflessness of participation in team sports. If approved, an annual physical examination is required before participating in any sport.

Cheerleading

Cheer 1: **TEDS:** PES00000 **KISD:** 52201

Cheer 2: **TEDS:** PES00001 **KISD:** 52202

Cheer 3: **TEDS:** PES00002 **KISD:** 52203

Cheer 4: **TEDS:** PES00003 **KISD:** 52204

Credit: 1

Grade: 9-12

Recommended prerequisite: Selection by tryout

This course includes learning and practicing cheerleading skills and stunts for athletic events and training in various areas: rhythms, gymnastics, and tumbling. Students will receive one PE Substitution Credit for Cheerleading.

Lifetime Recreation and Outdoor Pursuits

TEDS: PES00053

KISD: 50303

Credit: 1

Grade: 9-12

Recommended prerequisite: None

Outdoor education provides opportunities for enjoyment and challenge with emphasis upon a selection of activities that promote respect for the environment and can be enjoyed for a lifetime. Certifications may be earned in Hunters Education, Anglers Education, and Boaters Education for an extra fee.

Lifetime Fitness and Wellness Pursuits

TEDS: PES00051

KISD: 50401

Credit: .5-1

Grade: 9-12

Recommended prerequisite: None

This course's purpose is 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 teaching students 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.

PE/Skill-Based Lifetime Activities

TEDS: PES00056

KISD: 50404

Credit: .5-1

Grade: 9-12

Recommended prerequisite: None

Students in Individual Sports are expected to participate in a wide range of individual sports that can be pursued for a lifetime. The continued development of health-related fitness and selection of individual sport activities that are enjoyable is this course's major objective.

Unified PE

TEDS: PES00051 I **KISD:** 50405

TEDS: PES00056 II **KISD:** 50366

TEDS: PES00053 III **KISD:** 50377

Credit: 1

Grade: 9-12

Required prerequisite: Application

Unified P.E. is a success-oriented physical education course for students with special needs and peer partners. This course can be taken for physical education credit or as an elective. Unified P.E. will enhance the existing academic schedule by offering a class that includes students with and without disabilities working together to encourage physical activity while developing respect for one another. This course promotes physical activity, acquisition of individual lifetime wellness skills, team sports, and recreational activities while fostering relationships and developing leadership skills in peer partners. The goals of the Unified P.E. course are (1) to meet the physical education requirement for the students with disabilities in an environment of support and partnership, to increase their social skills, create friendships, and build self-esteem, and (2) to meet the physical education requirement for the students without disabilities, to develop leadership skills, to learn to interact and develop respect and empathy for their peers with disabilities, and to understand from first-hand experience the expectations for careers working with individuals with special needs.

CAREER & TECHNICAL EDUCATION COURSES

Principles of Agriculture, Food, and Natural Resources

TEDS: 13000200 **KISD:** 81100

Credit: 1

Grade: 9-11

Prerequisite: None

To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details,

practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce experience, apply, and transfer their knowledge and skills in a variety of settings.

Veterinary Science

TEDS: 13000600 **KISD:** 81105

Credit: 1

Grade: 11-12

Prerequisite: Principles of Agriculture, Food, and Natural Resources

To be prepared for careers in the field of animal science, students need to 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. Topics covered in this course include veterinary practices relating to both large and small animal species.

Advanced Animal Science

TEDS: 13000700 **KISD:** 81106

Credit: 1

Grade: 11-12

Prerequisite: Veterinary Medical Applications

To be prepared for careers in the field of animal science, students need to 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. This course 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. **This course counts as a science credit.**

Advanced Animal Science Honors or Advanced Animal Science Dual Credit

TEDS: 13000700 **KISD:** 82206

Credit: 1 **Dual Credit:** 81107

Grade: 11-12

Prerequisite: Veterinary Medical Applications

To be prepared for careers in the field of animal science, students need to 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. This course is a comprehensive examination of 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.

This course is also offered as a dual credit course through Weatherford College: AGRI 1419 Animal Science. If enrolled in dual credit, students will receive high school and college credit upon successful class completion. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. Students must register and pay for the course through Weatherford College. **This course counts as a science credit.**

Scientific Research and Design: Veterinary Clinical Skills

Scientific Research and Design: Veterinary Clinical Skills Honors

TEDS: 13037200

KISD: 81151

Credit: 1

KISD Honors: 82251

Grade: 11-12

Prerequisite: Veterinary Medical Applications

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. For Keller ISD, this course has been created to give students time to focus completely on veterinary clinical skills. Students will spend their time mainly in a lab setting learning skills like blood work, diagnostics, sterilization of equipment, and bandaging. Students should ideally take this course their junior year of high school as they prepare to do an internship through their senior practicum course. **This course counts as a science credit.**

Practicum in Agriculture, Food, and Natural Resources

TEDS: 13002500

KISD: 81161

Credit: 2

Grade: 11-12

Prerequisite: 3 credits of agriculture courses

This course is recommended for students in Grades 11-12. 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 Agriculture, Food, and Natural Resources cluster. Students can pursue externships at a variety of animal science-related businesses in the Keller and Fort Worth area including veterinary clinics, farms and ranches, equine facilities, dog grooming, and boarding facilities. Students may also choose to pursue an in-house internship housed at the Keller Center for Advanced Learning where they will work in the KCAL veterinary science lab with pets from the Keller community. Recommended Prerequisite: at least three credits from the Agriculture, Food, and Natural Resources cluster courses.

Career Preparation

Career Preparation I/Extended Career Preparation

TEDS: 12701121

KISD: 82244

TEDS: 12701141

KISD: 82003

Credit: 3

Grade: 11-12

Prerequisite: 2 credits of advanced CTE courses

This course is a work-based instructional arrangement, which develops essential knowledge and skills through classroom, technical knowledge and on the job internships in any approved career-tech specific training area. Internship placement must be teacher-approved and fall within the guidelines and requirements for students to qualify for enrollment in this program.

Wildlife, Fisheries, and Ecology Management

TEDS: 13001500

KISD: 81040

Credit: 1

Grade: 10-12

Prerequisite: Principles of Agriculture, Food, and Natural Resources

Wildlife, Fisheries, and Ecology Management examines the management of game and nongame wildlife species, fish, and aqua crops 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.

Small Animal Management

TEDS: 13000400

KISD: 81103

Credit: .5

Grade: 10-12

Prerequisite: Principles of Agriculture, Food, and Natural Resources

To be prepared for careers in the field of animal science, students need to 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. Suggested small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats. Small Animal Management is taken concurrently with Equine Science.

Equine Science

TEDS: 13000500

KISD: 81104

Credit: .5

Grade: 10-12

Prerequisite: Principles of Agriculture, Food, and Natural Resources

To be prepared for careers in the field of animal science, students need to 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. Suggested animals which may be included in the course of study include, but are not limited to, horses, donkeys, and mules. Equine Science is taken concurrently with Small Animal Management.

Agribusiness Management and Marketing

TEDS: 13000900

KISD: 81060

Credit: 1

Grade: 11-12

Prerequisite: Principles of Agriculture, Food, and Natural Resources

This course will be taught as a junior and senior level FFA leadership class. The course is designed for those that are FFA officers or active in FFA to help develop their leadership and speaking potential. Students in this class will be expected to help develop, promote, and function the KCAL FFA chapter.

Livestock and Poultry Production

TEDS: 13000300

KISD: 81108

Credit: 1

Grade: 10-12

Prerequisite: Principles of Agriculture, Food, and Natural Resources

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. 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 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.

Floral Design

TEDS: 13001800

KISD: 81800

Credit: 1

Grade: 9-12

Prerequisite: N/A

Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design and to understand 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.

Floral Design satisfies a fine arts credit requirement for students on the Foundation High School Program.

Advanced Floral Design

TEDS: 13001850

KISD: 81810

Credit: 1

Grade: 11-12

Prerequisite: Floral Design

In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on building skills in advanced floral design and providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event. Through the analysis and evaluation of various occasion and event types, students explore the design needs and expectations of clients and propose and evaluate appropriate creations. From conception to evaluation, students are challenged to create and design appropriate specialty floral designs that meet the needs of the client. Furthermore, an emphasis on budgetary adherence and entrepreneurship equips students with many of the necessary skills needed for success in floral enterprises.

Principles of Architecture

TEDS: 13004210

KISD: 81200

Credit: 1

Grade: 9-11

Prerequisite: None

Principles of Architecture provides an overview of the various fields of architecture and interior design. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, educational, and career information to set and achieve realistic career and educational goals. Safety and career opportunities are included, in addition to work ethics and job-related study in the classroom such as communications; problem

solving and critical thinking; Information Technology Applications; systems; safety, health, and environmental; leadership and teamwork; ethics and legal responsibilities; employability and career development; technical skills; and reading technical drawings.

Architectural Design I

TEDS: 13004600

KISD: 81210

Credit: 1

Grade: 10-12

Prerequisite: Principles of Architecture

In Architectural Design I, students gain knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Architectural design includes the knowledge of design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for residential architectural purposes.

Architectural Design II

TEDS: 13004700

KISD: 81211

Credit: 2

Grade: 11-12

Prerequisite: Architectural Design I

In Architectural Design II, students gain advanced knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Architectural Design II includes advanced knowledge of design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or multi-family architectural purposes.

Practicum in Architectural Design

TEDS: 13004800

KISD: 81213

Credit: 2

Grade: 11-12

Prerequisite: 3 credits in architectural design program including Architectural Design II

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. Instruction may be delivered through laboratory training or through career preparation delivery arrangements.

Principles of Construction

TEDS: 13004220

KISD: 81220

Credit: 1

Grade: 9-11

Prerequisite: None

Principles of Construction provides an overview of the various fields of construction science and construction technology. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Safety and career opportunities are included, in addition to work ethics and job-related study in the classroom such as communications; problem solving and critical thinking; Information Technology Applications; systems; safety, health, and environmental; leadership and teamwork; ethics and legal responsibilities; employability and career development; technical skills; introduction to hand tools; introduction to power tools; basic rigging.

Construction Technology I

TEDS: 13005100

KISD: 8825

Credits: 2

Grade: 10-12

Prerequisite: Principles of Construction

In Construction Technology I, students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors, or prepare for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing.

Construction Technology II

TEDS: 13005200

KISD: 8827

Credits: 2

Grade: 11-12

Prerequisite: Construction Technology I

In Construction Technology II, students gain knowledge and skills specific to those needed to enter the workforce as carpenters or building maintenance supervisors or build a foundation toward a postsecondary degree in architecture, construction science, drafting, or engineering. Construction Technology includes the knowledge of design, techniques, and tools related to the management of architectural and engineering projects. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills.

Practicum in Construction Technology

TEDS: 13005250

KISD: 81225

Credits: 2

Grade: 12

Prerequisite: HVAC II, or Plumbing Technology II, or Electrical Technology II, or Construction Technology II

In Practicum in Construction Technology, students will be challenged with the application of knowledge and skills gained in previous construction-related coursework. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class.

Introduction to Welding

TEDS: 13032250

KISD: 8884

Credit: 1

Grade: 9-12

Prerequisite: None

Introduction to Welding will introduce welding technology emphasizing 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.

Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration

Technology

TEDS: 13005800

KISD: 84011

Credit: 1

Grade: 10-12

Prerequisite: Principles of Construction

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) & Refrigeration Technology

II

TEDS: 13005900 **KISD:** 84012

Credits: 2

Grade: 11-12

Prerequisites: Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I

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 or 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 of tools, codes, installation of commercial HVAC equipment, heat pumps, troubleshooting techniques, various duct systems, and maintenance practices.

Plumbing Technology I

TEDS: 13006000 **KISD:** 84014

Credit: 2

Grade: 10-12

Prerequisite: Principles of Construction

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 job site 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.

Plumbing Technology II

TEDS: 13006100 **KISD:** 84015

Credit: 2

Grade: 11-12

Prerequisite: Plumbing Technology I

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 oxy-fuel 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.

Pipefitting Technology I

TEDS: N1300425 **KISD:** 84016

Credit: 1

Grade: 10-12

Prerequisite: Principles of Construction

Students will learn the types of work performed, responsibilities and career opportunities within the industry, and safety principles associated with pipefitting. Additionally, students will learn care, selection, and use of hand and power tools of the trade and ladder and scaffold safety, selection, construction, and the associated hazards. Oxyfuel cutting and associated safety procedures will be reinforced. Students will learn the maintenance, operation, and safety of motorized equipment. This class may lead to the National Center for Construction Education and Research (NCCER) certification.

Electrical Technology I

TEDS: 13005600 **KISD:** 88820

Credit: 1

Grade: 10-12

Prerequisite: Principles of Construction

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

TEDS: 13005700 **KISD:** 88821

Credits: 2

Grade: 11-12

Prerequisite: Electrical Technology I

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.

Interior Design I

TEDS: 13004300 **KISD:** 81202

Credit: 1

Grade: 10-12

Prerequisite: Principles of Architecture

Interior Design I is a technical course that addresses psychological, physiological, and sociological needs of individuals by enhancing the environments in which they live and work. Individuals use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, and compete in industry.

Interior Design II

TEDS: 13004400 **KISD:** 81203

Credit: 2

Grade: 11-12

Prerequisite: Interior Design I

Interior Design II is a technical laboratory course that includes the knowledge of employability characteristics, principles, processes, technologies, communication, tools, equipment, and materials related to interior spatial design.

Practicum in Interior Design

TEDS: 13004800 **KISD:** 81212

Credit: 2

Grade: 11-12

Prerequisite: Interior Design II

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. Students will take the Revit User or Professional Certification test at the end of the course.

Civil Engineering (Design and Presentation II)

TEDS: 13036500 **KISD:** 82646

Credit: 1

Grade: 11-12

Prerequisite: Interior Design I or Architectural Design I

In this course, students will learn important aspects of building and site design, and then they apply what they know to design a building. They will use math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software.

Scientific Research & Design: Introduction to Unmanned Aerial Vehicles

TEDS: 13037200

KISD: 82733

Credit: 1

Grade: 10-12

Prerequisite: Interior Design I or Architectural Design I

The Introduction to Unmanned Aerial Vehicle course is designed to prepare students for entry-level employment or continuing education in piloting UAV operations. The course is designed to instruct students in UAV flight navigation, industry law and regulations, and safety regulations. Students are also exposed to mission planning procedures, environmental factors, and human factors involved in the UAV industry.

Entrepreneurship

TEDS: 13011101

KISD: 82533

Credit: 1

Grade: 9-12

Prerequisite: None

Students will gain the knowledge and skills needed to become entrepreneurs. 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 understand the capital required, the return on investment desired, and the potential for profit. Students earn 1 credit for this course, but the course is taught in 1 semester.

Introduction to Welding

TEDS: 13032250

KISD: 8884

Credit: 1

Grade: 9-12

Prerequisite: None

Introduction to Welding will introduce 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

TEDS: 13032300 **KISD:** 88830

Credits: 2

Grade: 10-12

Prerequisite: Introduction to Welding

Welding I provide the knowledge, skills, and technologies required for employment in metal technology systems. 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.

Welding II

TEDS: 13032400 **KISD:** 88831

Credits: 2

Grade: 11-12

Prerequisite: Welding I

Welding II builds on the knowledge and skills developed in Welding I. Students will develop advanced welding concepts and skills related to personal and career development. Students will integrate academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to various settings and problems.

Practicum in Manufacturing

TEDS: 13033000 **KISD:** 88801

Credits: 2

Grade: 12

Prerequisite: Welding II

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.

Principles of Arts, Audio/Video Technology, and Communications

TEDS: 13008200 **KISD:** 81300

Credit: 1

Grade: 9-11

Prerequisite: None

Careers in the Arts, Audio/Video Technology, and Communications career cluster require, in addition to creative aptitude, a strong background in computer 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 those opportunities. Topics such as introductions to graphic design and audio/video production will be included.

Animation I

TEDS: 13008300 **KISD:** 81302

Credit: 1

Grade: 9-12

Prerequisite: None

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.

Animation II/Animation II Lab

TEDS: 13008410 **KISD:** 81306

Credit: 2

Grade: 10-12

Prerequisite: Animation I

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

TEDS: 13008450 I **KISD:** 81308

TEDS: 13008460 II **KISD:** 82308

Credit: 2

Grade: 11-12

Prerequisite: Animation II/Animation II Lab

Careers in animation span all aspects of the motion graphics industry. Within this context, students will develop technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster. Building upon the concepts taught in previous animation courses, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production animation products in a professional environment and a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Students will also have the opportunity to earn certifications in Adobe ACA After Effects, Adobe ACA Animate, and Autodesk Certified User (ACU) – Maya in this class.

Graphic Design and Illustration I

TEDS: 13008800 **KISD:** 81322

Credit: 1

Grade: 9 -12

Prerequisite: None

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, principles of visual art and design, copyright law, and color theory and audience awareness. Students will work toward obtaining entry-level industry certifications for Adobe applications, including Photoshop, Illustrator, and InDesign.

Graphic Design and Illustration II/Graphic Design and Illustration II Lab

TEDS: 13008910 **KISD:** 81326

Credit: 2

Grade: 10 -12

Prerequisite: Graphic Design I

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. Students will learn about and use industry level print equipment including sublimation, plotter, digital print press, UV, laser, large format, and more.

Practicum in Graphic Design and Illustration

TEDS: 13009000 I **KISD:** 81328

TEDS: 13009010 II **KISD:** 81329

Credit: 2

Grade: 11-12

Prerequisite: Graphic Design II/ Graphic Design II Lab

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. Students will take the knowledge and skills learned in levels I and II and use them to take job requests from start to finish with both internal and external customers. These job

requests will include job receipt, customer contact (email and/or phone), design, production, product delivery, and invoicing.

Audio/Video Production I

TEDS: 13008500 **KISD:** 81312

Credit: 1

Grade: 9 -12

Prerequisite: None

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 pre-production, production, and post-production audio and video activities.

Audio Video Production II/Lab

TEDS: 13008610 **KISD:** 81316

Credit: 2

Grade: 10-12

Prerequisite: Audio/Video Production I

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 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 pre-production, production, and post-production activities. This course may be implemented in an advanced audio format or an advanced format, including audio, video, and radio.

Practicum in Audio/Video Production

TEDS: 13008700 I **KISD:** 81318

TEDS: 13008710 II **KISD:** 81319

Credit: 2

Grade: 11-12

Prerequisite: Audio/Video Production II/Audio/Video Production II Lab

Careers in audio and technology and film production span all aspects of the audio/video communications industry. 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 applying pre-production, production, and post-production audio, video, radio, or animation format.

Commercial Photography I

TEDS: 13009100

KISD: 81332

Credit: 1

Grade: 10-12

Prerequisite: None

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.

Social Media Marketing

TEDS: 13034650

KISD: 82505

Credit: .5

Grade: 10-12

Prerequisite: None

Social Media Marketing is designed to look at the rise of social media and how it has transformed the business arena. Students will learn about the multi-disciplinary implications and how to manage a successful social media presence for an organization.

Principles of Business, Marketing, and Finance

TEDS: 13011200

KISD: 81400

Credit: 1

Grade: 9-11

Prerequisite: None

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economics and private enterprise systems, the impact of global business, 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.

Foundations of Business Communication and Technologies

TEDS: 13011400

KISD: 81401

Credit: 1

Grade: 9-12

Prerequisite: Principles of Business, Marketing, and Finance

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 spreadsheets, formulate a database, and make an electronic presentation using appropriate software.

Business Communication and Technologies

TEDS: 13011500

KISD: 81402

Credit: 1

Grade: 10-12

Prerequisite: 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 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. Students will also have the opportunity to earn their Microsoft Office Specialist (MOS) certification in this class.

Business Management

TEDS: 13012100

KISD: 81405

Credit: 1

Grade: 10-12

Prerequisite: Principles of Business, Marketing, and Finance

Students recognize, evaluate and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students analyze the primary functions of management and leadership, which are planning, organizing, staffing, directing or leading, and controlling. Topics will incorporate social responsibility of business and industry. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent managers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions.

Practicum in Business Management

TEDS: 13012200

KISD: 81414

Credit: 2

Grade: 12

Prerequisite: 2 credits of business courses

The Practicum 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 post-secondary 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.

Statistics and Business Decision Making

TEDS: 13016900

KISD: 81621

Credit: 1

Grade: 11-12

Prerequisite: Principles of Business, Marketing, and Finance

Students will use a variety of graphical and numerical techniques to analyze patterns and departures from patterns to identify and manage risk that could impact an organization. Students will use probability as a tool for anticipating and forecasting data within business models to make decisions.

Students will explore careers in risk management and will learn to plan, monitor, and control day-to-day activities to enable continued functioning in finance. Students will analyze accounting systems to examine financial stability. Students will explain the role and impact of dividends in corporate finance. Students will access, process, maintain, evaluate, and disseminate financial information to assist business decision-making. This course counts as a math credit.

Money Matters

TEDS: 13016200

KISD: 81600

Credit: 1

Grade: 9-12

Prerequisite: None

Students will investigate global economics with emphasis on the free enterprise system and its impact on consumers and businesses. Students apply critical thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to set long term financial goals based on those options. Students will determine methods of achieving long term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning.

Accounting I

TEDS: 13016600

KISD: 81610

Credit: 1

Grade: 10-12

Prerequisite: Principles of Business, Marketing, and Finance

Students 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 reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing,

and communicating accounting information. Students formulate and interpret financial information for use in management decision making.

Accounting II Honors

TEDS: 13016700

KISD: 81622

Credit: 1

Grade: 10-12

Prerequisite: Accounting I

Students 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 reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision-making. Students will be expected to show commitment to the course work and be motivated to utilize higher-level thinking skills. The course will also include special projects and a more in-depth study of accounting concepts. This course counts as a weighted math credit. This course receives Honors weight for the class of 2025 and beyond.

Advertising

TEDS: 13034200

KISD: 82501

Credit: .5

Grade: 10-12

Prerequisite: Principles of Business, Marketing, and Finance

Advertising is designed as a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, ethical, and legal issues of advertising; historical influences, strategies, and media decision processes as well as integrated marketing communications. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.

Fashion Marketing

TEDS: 13034300

KISD: 82502

Credit: .5

Grade: 10-12

Prerequisite: Principles of Business, Marketing, and Finance

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.

Sports and Entertainment Marketing

TEDS: 13034600 **KISD:** 82504

Credit: .5

Grade: 10-12

Prerequisite: Principles of Business, Marketing, and Finance. This course will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and sporting events and entertainment. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans. This course will also provide students with an opportunity to develop promotional plans, sponsorship proposals, endorsement contracts, sports and entertainment marketing plans, and evaluation and management techniques.

Advanced Marketing

TEDS: 13034700 **KISD:** 82511

Credit: 2

Grade: 11-12

Prerequisite: Advertising

Advanced Marketing is a series of activities that focus on the customer to generate a profitable exchange. Students 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 integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions. This course may include paid or unpaid career preparation experience.

Practicum in Marketing

TEDS: 13034800 **KISD:** 82513

Credit: 2

Grade: 12

Prerequisite: Advanced Marketing

Through course-required employment, students 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 create the marketing mix. This course covers technology, communication, and customer-service skills. 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. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical education courses in marketing education.

Introduction to Culinary Arts

TEDS: 13022550

KISD: 81901

Credit: 1

Grade: 9-12

Prerequisite: None

The Hospitality and Tourism Career Cluster focuses on the management, marketing, and operations of restaurants and other food/beverage services, lodging, attractions, recreation events, and travel-related services. This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. It 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 food service industry. This course is offered as a classroom and laboratory-based course.

Culinary Arts

TEDS: 13022600

KISD: 81902

Credit: 2

Grade: 10-12

Prerequisite: Introduction to Culinary Arts

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 and safety certification or other appropriate industry certification. This course will be offered as a classroom and laboratory-based course. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. Students earn 2 credits for this course, but the course is taught in 1 class period.

Advanced Culinary Arts

TEDS: 13022650

KISD: 81903

Credit: 2

Grade: 11-12

Prerequisite: Culinary Arts

Advanced Culinary Arts focuses on the management, marketing, and operations of restaurants and other food/beverage services. This course will extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry-driven standards in order to prepare students for success in higher education, certifications, and/or immediate employment. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. Students can pursue a national certification as a food protection manager.

Practicum in Culinary Arts

TEDS: 13022700 I **KISD:** 81905

TEDS: 13022710 II **KISD:** 81906

Credit: 2

Grade: 11-12

Prerequisite: Advanced Culinary Arts

This course 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 fast-changing workplace.

Lifetime Nutrition and Wellness

TEDS: 13024500 **KISD:** 82101

Credit: .5

Grade: 9-12

Prerequisite: None

This laboratory course allows students to use principles of lifetime wellness and nutrition, including knowledge of nutritionally balanced diets, to help them make informed choices that promote wellness, as well as pursue careers related to human services. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extra-curricular organizations

Principles of Information Technology

TEDS: 13027200 **KISD:** 82300

Credit: 1

Grade: 9-12

Prerequisite: None

In this course, students will build foundational skills essential for success in the dynamic fields of Networking and Cybersecurity. They will gain proficiency in computer literacy, focusing on emerging technologies and their applications in global networks and secure environments. Through hands-on projects, students will develop key personal and interpersonal skills, preparing them for the challenges of the rapidly evolving cybersecurity landscape. The course also emphasizes critical thinking, problem-solving, and effective communication, ensuring that students are well-equipped to navigate and excel in the information technology sector.

Networking

TEDS: 13027400

KISD: 82321

Credit: 1

Grade: 10-12

Prerequisite: Principles of IT

This course equips students with in-depth knowledge and practical skills in data networking technologies, preparing them for careers in the rapidly growing field of network infrastructure and management. Students will explore core networking concepts, including the design, implementation, and maintenance of networks, with an emphasis on real-world applications. Through hands-on labs and projects, they will reinforce their understanding by applying and transferring their skills to various scenarios and problem-solving tasks, ensuring they are ready for both personal growth and professional success in networking.

Digital Forensics

TEDS: 3580360

KISD: 82375

Credit: 1

Grade: 11-12

Prerequisite: Networking

Digital forensics is an evolving discipline concerned with analyzing anomalous activity on computers, networks, programs, and data. As a discipline, it has grown with the emergence of a globally connected digital society. As computing has become more sophisticated, so too have the abilities of malicious agents to access systems and private information. By evaluating prior incidents, digital forensics professionals have the ability to investigate and craft appropriate responses to disruptions to corporations, governments, and individuals. Whereas cybersecurity takes a proactive approach to information assurance to minimize harm, digital forensics takes a reactive approach to incident response. The course provides a survey of the field of digital forensics and incident response, including ethics and laws and digital citizenship.

Cybersecurity Capstone

TEDS: 3580855

KISD: 82336

Credit: 1

Grade: 11-12

Prerequisite: Networking

Cybersecurity is an evolving discipline concerned with safeguarding computers, networks, programs, and data from unauthorized access. The field has gained prominence with the emergence of a globally connected society. As computing has become more sophisticated, so too have the abilities of malicious agents looking to penetrate networks and seize private information. By evaluating prior incidents, cybersecurity professionals have the ability to craft appropriate responses to minimize disruptions to corporations, governments, and individuals. In the Cybersecurity Capstone course, 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 to mitigate risks. The skills obtained in this course prepare students for additional study toward industry certification.

Practicum in Information Technology: Networking & Cybersecurity

TEDS: 13028000 **KISD:** 82366

Credit: 2

Grade: 11-12

Prerequisite: Digital Forensics and Cybersecurity Capstone

As the capstone course for the Networking and Cybersecurity program, this practicum provides students with advanced expertise in the design, implementation, and management of IT systems and services. Students will engage in real-world projects that enhance their skills in network security, data protection, and systems evaluation. Emphasis is placed on critical thinking, problem-solving, and the practical application of IT standards. This hands-on experience can take place in various settings, including classrooms, internships, capstone projects, or career preparation with industry mentors, equipping students with the knowledge and experience needed to thrive in the technology-driven workforce.

Practicum in Information Technology: Internships

TEDS: 13028000 **KISD:** 82368

Credit: 2

Grade: 11-12

Prerequisite: Digital Forensics, Cybersecurity Capstone, Computer Science 2, or Computer Science 3

This capstone course is designed for students in the Networking and Cybersecurity program who are seeking hands-on, real-world experience through an internship. Students will gain advanced skills in the application, design, and management of IT systems, with a strong emphasis on network security and data protection. The course focuses on critical thinking, problem-solving, and the practical application of industry standards, all within the context of a professional internship. Under the guidance of industry mentors, students will apply their knowledge in real-world settings, gaining invaluable experience that prepares them for a successful career in technology. Please note that internships are limited and cannot be guaranteed. Placement is competitive, and opportunities are available on a first-come, first-served basis each school year.

Computer Maintenance

TEDS: 13027300 **KISD:** 82311

Credit: 1

Grade: 10-12

Prerequisite: None

Students acquire principles of computer maintenance, including electrical and electronic theory, computer hardware principles, and broad level components related to the installation, diagnosis, service, and repair of computer systems. To prepare for success, students must have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

Automotive Basics

TEDS: 13039550 **KISD:** 82730

Credit: 1

Grade: 9-11

Prerequisite: None

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

TEDS: 13039600 **KISD:** 82731

Credit: 2

Grade: 10-12

Prerequisite: Automotive Basics

This course is designed to include knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. It includes applicable safety and environmental rules and regulations. 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.

Automotive Technology II

TEDS: 13039700 **KISD:** 82732

Credit: 2

Grade: 11-12

Prerequisite: Automotive Technology I: Maintenance and Light Repair

This course is designed to include knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. It includes applicable safety and environmental rules and regulations. 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.

Practicum in Transportation Systems

TEDS: 13040450 **KISD:** 82762

Credit: 2

Grade: 12

Prerequisite: Automotive Technology II: Automotive Services

The Transportation Career Cluster focuses on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also covers related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance. This practicum is designed to give students supervised practical applications 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 work-based.

Principles of Education and Training

TEDS: 13014200 **KISD:** 81500

Credit: 1

Grade: 9-11

Prerequisite: None

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 and educational and career information to analyze various careers essential to careers within the education and training career cluster.

Child Development

TEDS: 13024700

KISD: 82103

Credit: 1

Grade: 10-12

Prerequisite: Principles of Education and Training

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 well-being and healthy development of children and investigate careers related to the care and education of children.

Instructional Practices

TEDS: 13014400

KISD: 81502

Credit: 2

Grade: 11-12

Prerequisite: Child Development

Instructional Practices in Education and Training is a field-based 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 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.

Students may choose to take this course for Dual Enrollment through the Tarleton Today Dual Enrollment program.

Practicum in Education and Training

TEDS: 13014500

KISD: 81504

Credit: 2

Grade: 12

Prerequisite: Instructional Practices

Practicum in Education and Training is a field-based internship that provides students with 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 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.

Students may choose to take this course for Dual Enrollment through the Tarleton Today Dual Enrollment program.

Counseling and Mental Health

TEDS: 13024600 **KISD:** 82102

Credit: 1

Grade: 11-12

Prerequisite: Principles of Education and Training

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.

Medical Terminology

TEDS: 13020300 **KISD:** 81801

Credit: 1

Grade: 9-12

Prerequisite: None

This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, singular and plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Health Science Theory

TEDS: 13020400 **KISD:** 81803

Credit: 1

Grade: 10-12

Prerequisite: Medical Terminology

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 have hands-on experiences for continued knowledge and skills development. The course may be taught by different methodologies such as clinical rotation and career preparation learning.

Anatomy and Physiology or Anatomy and Physiology Honors

TEDS: 13020600

KISD: 3203

Credit: 1

KISD Honors: 3204

Grade: 10-12

Prerequisite: Biology

This course offers a comprehensive study of the structures and functions of the human body. It will include dissections and the study of the organization of organs and organ systems. Students will utilize critical thinking skills and scientific problem solving as they conduct lab investigations. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). This course counts as a science credit. It is taught at all main campuses and at the Keller Center for Advanced Learning.

Medical Microbiology or Medical Microbiology Honors

TEDS: 13020700

KISD: 81821

Credit: 1

KISD Honors: 82821

Grade: 10-12

Prerequisite: Biology

This science elective course is designed to explore medical based microbiology. The student will discover relationships between microbes and health maintenance as well as the role of microbes in infectious diseases. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). This course counts as a science credit.

Pathophysiology or Pathophysiology Honors

TEDS: 13020800

KISD: 81822

Credit: 1

KISD Honors: 82822

Grade: 11-12

Prerequisite: Biology

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. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). This course counts as a science credit.

Practicum in Health Science: Medical Laboratory Assistant (MLA)

TEDS: 13020500 I **KISD:** 81850

TEDS: 13020510 II **KISD:** 82850

Credit: 2

Grade: 11-12

Prerequisite: Medical Microbiology

The Practicum in Health Science is designed to give students practical applications of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Keller ISD offers 7 practicum opportunities throughout the district. An online district application will be emailed after registration is complete. Students will be asked to rate the Practicum class in order of preference. Due to class size limitations, it is possible a student will not get their first choice. Medical Laboratory Assistants are healthcare professionals who can be found working both on the frontlines and behind the scenes. Medical Lab Assistants typically work in lab settings such as those within a hospital, physician's office, or urgent care facility. The work they do is important for both patients and the healthcare field overall. Their duties may include:

- Drawing blood from patients (also called phlebotomy)
- Properly labeling and handling samples ahead of lab tests
- Preparing lab equipment for tests and research
- Using various pieces of lab equipment such as microscopes
- Performing lab tests
- Reporting test results to doctors or other healthcare personnel

Practicum in Health Science: Clinical Rotations (CR)

TEDS: 13020500 I **KISD:** 81812

TEDS: 13020510 II **KISD:** 81842

Credit: 2

Grade: 11-12

Prerequisite: Health Science Theory

The Practicum in Health Science is designed to give students practical applications of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Keller ISD offers 7 practicum opportunities throughout the district. An online district application will be emailed after registration is complete. Students will be asked to rate the Practicum class in order of preference. Due to class size limitations, it is possible that a student will not get their first choice. The clinical rotations class will occur in various settings including hospital, clinical, and classroom. Students will be required to comply with HIPAA requirements.

Practicum in Health Science: Certified Nursing Assistant (CNA)

TEDS: 13020500 I **KISD:** 81816

TEDS: 13020510 II **KISD:** 81846

Credit: 2

Grade: 11-12

Prerequisite: Health Science Theory

The Practicum in Health Science is designed to give students practical applications of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Keller ISD offers 7 practicum opportunities throughout the district. An online district application will be emailed after registration is complete. Students will be asked to rate the Practicum class in order of preference. Due to class size limitations, it is possible a student will not get their first choice. The Certified Nursing Assistant (CNA) practicum is designed to provide an opportunity to gain a nationally recognized certification after passing the CNA certification examination. To qualify for the examination, one must be able to pass a criminal background/drug screening and have successfully passed the classroom portion of the class. Students will be required to comply with HIPAA requirements.

Practicum in Health Science: Patient Care Technician (PCT)

TEDS: 13020500 I **KISD:** 82818

TEDS: 13020510 II **KISD:** 81849

Credit: 2

Grade: 12

Prerequisite: Practicum in CNA or Practicum in Clinical Rotations or Pharmacology or Pathophysiology or Medical Microbiology or Kinesiology II

The Practicum in Health Science is designed to give students practical applications of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Keller ISD offers 7 practicum opportunities throughout the district. An online district application will be emailed after registration is complete. Students will be asked to rate the Practicum class in order of preference. Due to class size limitations, it is possible a student will not get their first choice. Doctors, nurses, and other healthcare professionals rely on patient care technicians to assist with the critical day to day care some patients require. They provide hands-on assistance to serve patients' basic needs, which greatly impacts the lives of their patients and their patients' families. As a patient care tech, you may be able to perform some or all of the following tasks:

- Provide basic patient care bathing, feeding, catheter care, etc.
- Acquire, distribute and administer patient care supplies
- Perform safety checks and ensure cleanliness in patient rooms
- Accommodate any additional patient needs
- Obtain EKG readings and monitor vital signs
- Perform phlebotomy procedures

- Provide emotional support to patients and families, particularly coping with grief and death

Practicum in Health Science II: Clinical Medical Assistant (CMA)

TEDS: 13020500 I **KISD:** 82816

TEDS: 13020510 II **KISD:** 82940

Credits: 2

Grade: 12

Prerequisite: Practicum in CNA or Practicum in Clinical Rotations or Pharmacology or Pathophysiology or Medical Microbiology or Kinesiology II

A Clinical Medical Assistant is a multi-skilled allied health care professional that specializes in procedures commonly performed in the ambulatory health care setting. The Clinical Medical Assistant performs both clinical and administrative duties and assists a variety of providers including physicians, nurse practitioners and physician assistants. They typically work in medical offices, clinics, urgent care centers and may work in general medicine or specialty practices. Common duties of a medical assistant include administrative and clinical tasks such as checking patients in and out upon arrival and departure, taking patient vital signs, administering injections or medications, use aseptic laboratory techniques and protocols, working in the electronic health record (EHR), understand and use medical terminology and understand and use office procedures including HIPAA, OSHA, medical insurance billing and medical coding, and answering phone calls and questions. All students will become certified in American Heart Association BLS CPR. Students who successfully complete the course and are on track to graduate will have the opportunity to sit for the Medical Assistant Certification Exam offered by the National Health Career Association.

Practicum in Health Science: Emergency Medical Technician (EMT)

TEDS: 13020500 I **KISD:** 81815

TEDS: 13020510 II **KISD:** 82842

Credit: 2

Grade: 11-12

Prerequisite: Health Science Theory; Pathophysiology (can be taken concurrently with EMT Practicum)

The Practicum in Health Science is designed to give students practical applications of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Keller ISD offers 7 practicum opportunities throughout the district. An online district application will be emailed after registration is complete. Students will be asked to rate the Practicum class in order of preference. Due to class size limitations, it is possible that a student will not get their first choice. In the E.M.T. program, students will be provided opportunities to work in hospital settings, ambulance services, and may be assigned to firehouses to experience first-hand the challenges of Emergency Medical Technicians. Students enrolled in this course will be provided with the knowledge and skills training to prepare and successfully complete the exam required for E.M.T. Upon completion of the course and successfully passing the national

exam, students will be eligible to continue to the next level of training at Tarrant County College. Students will be required to comply with HIPAA requirements.

Pharmacology

TEDS: 13020950

KISD: 81813

Credit: 1

Grade: 11-12

Prerequisite: Health Science Theory

The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development. 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 ever-changing, growing body of information that continually demands greater amounts of time and education from health care workers.

Practicum in Health Science: Pharmacy

TEDS: 13020500

I

KISD: 81818

TEDS: 13020510

II

KISD: 81848

Credit: 2

Grade: 11-12

Prerequisite: Pharmacology

The Practicum in Health Science is designed to give students practical applications of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Keller ISD offers 7 practicum opportunities throughout the district. An online district application will be emailed after registration is complete. Students will be asked to rate the Practicum class in order of preference. Due to class size limitations, it is possible a student will not get their first choice. The Pharmacy Technician practicum is designed to provide an opportunity to gain a nationally recognized certification after passing the Pharmacy Technician Certification Board examination. To qualify for the examination, students must be able to pass a criminal background screening and have graduated from high school. Students will be required to comply with HIPAA requirements.

Kinesiology I

TEDS: N1302104

KISD: 8930

Credit: 1

Grade: 9-12

Prerequisite: None

This course is designed to introduce students to the basic concepts of kinesiology. Students will gain an understanding of body mechanics, physiological functions of muscles and movements, the history of kinesiology, and the psychological impact of sports and athletic performance. Students will also

explore careers within the kinesiology field and be able to explain the societal demand for kinesiology-related jobs. Students will develop a foundation in Kinesiology I that will prepare them for upper-level courses that will dive deeper into the anatomical and physiological functions of the body and provide opportunities for an industry-certified exam such as a certified personal trainer.

Kinesiology II

TEDS: N1302124

KISD: 8932

Credit: 1

Grade: 11-12

Prerequisite: Kinesiology I

The Kinesiology II course is designed to provide students an advanced level of knowledge, skills, and understanding of body composition and the effect on health, nutritional needs of physically active individuals, qualitative biomechanics, application of therapeutic modalities, appropriate rehabilitation services, and aerobic training intensity programs.

Practicum in Health Science: Sports Medicine

TEDS: 13020500

I

KISD: 81817

TEDS: 13020510

II

KISD: 81827

Credit: 2

Grade: 12

Prerequisite: Kinesiology II

The Practicum in Health Science is designed to give students practical applications of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Keller ISD offers 7 practicum opportunities throughout the district. An online district application will be emailed after registration is complete. Students will be asked to rate the Practicum class in order of preference. Due to class size limitations, it is possible a student will not get their first choice. The Sports Medicine Practicum course will provide an opportunity for the study and application of the components of sports medicine, including but not limited to sports medicine-related careers; organizational and administrative considerations; prevention of athletic injuries; recognition, evaluation, and immediate care of athletic injuries; rehabilitation and management skills; taping and wrapping techniques; first aid/CPR/AED; emergency procedures; nutrition; sports psychology; human anatomy and physiology; therapeutic modalities; and therapeutic exercise.

Professional Communications

TEDS: 13009900 **KISD:** 1465

Credit: 0.5

Grade: 9-12

Prerequisite: None

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 text, 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.

Cosmetology I/Cosmetology I Lab

TEDS: 13025210 **KISD:** 8320

Credit: 3

Grade: 11-12

Prerequisite: None

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 requirements for licensure upon passing the state examination. Analysis of career opportunities, requirements, expectations, and development of workplace skills are included.

Cosmetology II

TEDS: 13025300 **KISD:** 82202

Credit: 2

Grade: 11-12

Prerequisite: Cosmetology I

Students review academic knowledge and skills related to cosmetology. This course is designed to provide advanced training for employment in cosmetology careers. Instruction includes training in sterilization and sanitation processes, hair care, nail care and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Students apply, combine, and justify knowledge skills to a variety of settings and problems.

Practicum in Entrepreneurship

TEDS: 13011111

KISD: 82347

Credit: 2

Grade: 12

Prerequisite: Cosmetology I

The Practicum in Entrepreneurship is designed to give students practical applications 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 Entrepreneurship provides background knowledge and occupation-specific training that focuses on the development of consumer services and family and community services careers. Content for Practicum in Entrepreneurship is designed to meet the occupational preparation needs and interests of students.

Principles of Law, Public Safety, Corrections, and Security

TEDS: 13029200

KISD: 82400

Credit: 1

Grade: 9-11

Prerequisite: None

Principles of Law, Public Safety, Corrections, and Security introduce students to professions in law enforcement, security, corrections, and fire 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, security, and corrections.

Law Enforcement I

TEDS: 13029300

KISD: 82411

Credit: 1

Grade: 10-12

Prerequisite: Principles of Law, Public Safety, Corrections, and Security

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.

Court Systems and Practices

TEDS: 13029600

KISD: 82422

Credit: 1

Grade: 10-12

Prerequisite: Principles of Law, Public Safety, Corrections, and Security

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. Class is taught at the Keller Center for Advanced Learning.

Advanced Legal Skills and Professions

TEDS: N1303016 **KISD:** 82436

Credit: 1

Grade: 11-12

Prerequisite: 2 credits in the legal program

This course offers a comprehensive exploration of the U.S. legal system, providing students with advanced insights into legal procedures and professions. Throughout this course, students will delve into the complexities of civil and criminal procedures, the nuances of the attorney-client relationship, and the critical importance of confidentiality. From the intricacies of investigating cases (discovery) to the art of presenting persuasive court arguments (closing arguments), students will engage in immersive, hands-on learning experiences. The course culminates in dynamic mock trials, where students will assume roles such as attorneys, witnesses, and jurors. Through these simulations, students will refine their critical thinking, public speaking, and teamwork skills as they develop and execute winning trial strategies. Advanced Legal Skills and Professions goes beyond theoretical knowledge, offering students a practical understanding of the legal field. Join us for a stimulating journey through the legal system, where learning is not just about comprehension but also about application and skill development.

Forensic Science or Forensic Science Honors

TEDS: 13029500 **KISD:** 88370

Credit: 1 **KISD Honors:** 88371

Grade: 11-12

Prerequisite: Biology

Forensic Science is a course that 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 will learn terminology and investigative procedures related to crime scenes, 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 will learn the history, legal aspects, and career options for forensic science. This course counts as a science credit.

Forensic Psychology

TEDS: N1303012 **KISD:** 82424

Credit: 1

Grade: 10-12

Prerequisite: Law Enforcement I

Forensic Psychology utilizes and applies basic skills developed in psychology to criminal behavior and criminal scenarios resulting in a structured and scientific approach to investigative analysis, which enables police or law enforcement officials to predict criminal activity based upon mathematical/scientific data versus abstract intuition.

Practicum in Law, Public Safety, Corrections and Security

TEDS: 13030100 **Legal Studies KISD:** 82461

Credit: 2 **Law Enforcement KISD:** 82462

Grade: 12

Prerequisite: 2 credits in the law program

The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in various locations appropriate to the nature and level of experience.

Computer Science I Honors

TEDS: 3580200 **KISD:** 82301

Credit: 1

Grade: 9-12

Prerequisite: Completed or concurrent enrollment in Algebra I

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. 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. By using computer science 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. This course's purpose is to continue to AP Computer Science and prepare for the AP exam. This course may count as a **LOTE** credit.

AP Computer Science

TEDS: A3580110, A3580120 **KISD:** 82340

Credit: 2

Grade: 10-12

Prerequisite: Computer Science I Honors

AP Computer Science A is equivalent to a first-semester, college-level course in computer science and is a continuation of Computer Science I. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and

imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.** This course counts as a **math** credit. This course may also count as a **LOTE** credit. Students earn 2 credits for this course, but the course is taught in 1 class period.

Computer Science II: Python Programming

TEDS: 3580300 **KISD:** 82342

Credit: 1

Grade: 10-12

Prerequisite: AP Computer Science

In this course, students will deepen their understanding of computer science by focusing on Python, one of the most widely used programming languages in the industry. Through hands-on projects, students will design, implement, and present meaningful programs, fostering creativity and innovation. Collaboration with peers and instructors is encouraged to solve complex problems using Python. Students will engage in data analysis, develop search strategies, and apply computer science concepts to access, analyze, and evaluate information. The course emphasizes the importance of selecting appropriate technologies, synthesizing knowledge, creating solutions, and evaluating results. Additionally, students will explore digital citizenship by understanding current laws, regulations, and ethical practices. Upon successful completion, students will have the opportunity to earn a certification in Python programming, enhancing their readiness for careers in software development. This course counts as a Language Other Than English (LOTE) credit and receives Advanced Placement (AP) weight in GPA calculations.

Computer Science III: Video Game Design

TEDS: 03580350 **KISD:** 82343

Credit: 1

Grade: 10-12

Prerequisite: AP Computer Science

This advanced course in computer science centers on the exciting field of video game design, with a focus on utilizing Unreal Engine, a leading industry tool. Students will enhance their creativity and innovation by designing, implementing, and presenting meaningful video game projects. Through hands-on experiences, they will collaborate with peers and instructors to solve complex challenges using advanced computer science concepts. The course emphasizes the importance of data analysis, task planning, and selecting the appropriate technologies for game development. Students will develop and apply their skills in areas such as game mechanics, 3D modeling, and interactive storytelling, while also learning about digital citizenship, including the ethical use of technology and adherence to current laws and regulations. By mastering advanced data structures and technology operations, students will be well-prepared for careers in game design and software development. This

course counts as a Language Other Than English (LOTE) credit and receives Advanced Placement (AP) weight in GPA calculations.

Practicum in Information Technology: Video Game Design

TEDS: 13028000 **KISD:** 82361

Credit: 2

Grade: 12

Prerequisite: Computer Science II or Computer Science III

This capstone course is designed to teach the foundational concepts of computer programming in a fun and interactive environment, using video game design as a medium to engage students. While the course focuses on the development process of video games, the primary goal is to equip students with the essential programming skills and knowledge necessary for success in the broader field of software development. Students will explore the application, design, production, implementation, and maintenance of software using industry-standard tools like Unreal Engine, with an emphasis on critical thinking, problem-solving, and the application of IT concepts. By the end of the course, students will have a solid foundation in programming and software development, preparing them for various careers in the technology industry.

Practicum in Information Technology: Internships

TEDS: 13028000 **KISD:** 82368

Credit: 2

Grade: 11-12

Prerequisite: Digital Forensics, Cybersecurity Capstone, Computer Science 2, or Computer Science 3

This capstone course is tailored for students in the Programming pathway who are seeking to gain hands-on, real-world experience through an internship. Students will develop advanced skills in software development, application design, and systems analysis, with a focus on coding, debugging, and implementing software solutions. The course emphasizes critical thinking, problem-solving, and the practical application of programming standards, all within the context of a professional internship. Under the guidance of industry mentors, students will apply their programming knowledge in real-world settings, gaining invaluable experience that prepares them for a successful career in software development. Please note that internships are limited and cannot be guaranteed. Placement is competitive, and opportunities are available on a first-come, first-served basis each school year.

Engineering Design Process

TEDS: 12756001 **KISD:** 82647

Credit: 1

Grade: 9-10

Prerequisite: Complete or concurrent enrollment in Algebra I

This is the foundation course in a series of Project Lead the Way pre-engineering courses designed to introduce the student to the field of engineering. Students will develop problem-solving skills, with emphasis placed upon the concept of developing 3-D models. The course will emphasize the design development process of a product and a model of the product is produced, analyzed, and evaluated, using a Computer Aided Design System. Various design applications will be explored with discussion of possible career opportunities.

Engineering Science

TEDS: 13037500 **KISD:** 82642

Credit: 1

Grade: 10-12

Prerequisite: Introduction to Engineering Design

This foundation course is designed to help students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes helps students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about the social and political consequences of technological change. This course counts as a science credit.

Aerospace Engineering (Design and Presentation I)

TEDS: 13036600 **KISD:** 82664

Credit: 1

Grade: 11-12

Prerequisite: Engineering Science

This specialization PLTW course applies principles of aeronautics, flight, and engineering. The course will include experiences from diverse fields of aeronautics, aerospace engineering, and related areas of study. It will cover many areas including the following: history of flight; airfoil design, construction, and testing; rocket engine thrust; rocket trajectory; effects of gravity; navigation systems; glider design; intelligent vehicles; and remote sensing.

Digital Electronics Honors

TEDS: 13037600 **KISD:** 8787

Credit: 1

Grade: 11-12

Prerequisite: Engineering Science

This is a course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry before the construction of circuits and devices. Students will be expected to show commitment to the Honors course work and be motivated to utilize higher-level thinking skills. The course will also include special projects and a more in-depth study of the foundations in electronics, combinational logic, sequential logic, and controlling real-world systems. This course counts as a weighted math credit and receives Honors weight for the class of 2025 and beyond.

Civil Engineering (Design and Presentation II)

TEDS: 13036500 **KISD:** 82646

Credit: 1

Grade: 11-12

Prerequisite: Engineering Science

In this course, students will learn important aspects of building and site design, and then they apply what they know to design a building. They will use math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software.

Robotics I

TEDS: 13037000 **KISD:** 82651

Credit: 1

Grade: 11-12

Prerequisite: Engineering Science

Students enrolled in this course will demonstrate knowledge and skills necessary for the robotic and automation industry. Through implementation of the design process, students will transfer advanced academic skills to component designs in a project-based environment. Students will build prototypes or use simulation software to test their designs. Additionally, students explore career opportunities, employer expectations, and educational needs in the robotic and automation industry.

Scientific Research & Design: Introduction to Unmanned Aerial Vehicles

TEDS: 13037200 **KISD:** 82733

Credit: 1

Grade: 10-12

Prerequisite: Engineering Science

The Introduction to Unmanned Aerial Vehicle course is designed to prepare students for entry-level employment or continuing education in piloting UAV operations. The course is designed to instruct students in UAV flight navigation, industry law and regulations, and safety regulations. Students are also exposed to mission planning procedures, environmental factors, and human factors involved in the UAV industry. This course counts as a science credit.

Robotics II

TEDS: 13037050 **KISD:** 82652

Credit: 1

Grade: 12

Prerequisite: Robotics I

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 project-based environment. Students will build prototypes and use software to test their designs. This course counts as a math credit.

Computer Integrated Manufacturing

TEDS: N1303748 **KISD:** 82645

Credit: 1

Grade: 11-12

Prerequisite: Engineering Science

Manufactured items are part of everyday life, and this course illuminates the opportunities related to understanding manufacturing. In this Project Lead the Way course, students discover and explore manufacturing processes, product design, robotics, and automation, and then they apply what they have learned to design solutions for real-world manufacturing problems.

Engineering Design and Problem-Solving Honors

TEDS: 13037300 **KISD:** 83644

Credit: 1

Grade: 11-12

Prerequisite: 3 credits in the engineering program

This course is the senior capstone course of the Project Lead the Way pre-engineering sequence. Students will work in teams to research, design, and construct a solution to an open-ended engineering problem. Students apply principles developed in the four preceding courses and are

guided by an engineering mentor. Students will present progress reports, submit a final written report, and present their solutions to a panel of outside reviewers at the end of the course. This course counts as a science credit. *This course receives Honors weight for the class of 2025 and beyond.*

Practicum in Engineering (Mobile Classroom)

TEDS: 12756080 **KISD:** 82470

Grade: 12

Prerequisite: 3 credits in the engineering program

The Practicum in STEM: Mobile Classroom offers students a unique opportunity to apply their knowledge and skills in an innovative, real-world setting. In this course, students manage and operate a fully equipped CTE Mobile Classroom—a large trailer outfitted with state-of-the-art technology and its own network. The mobile classroom travels to elementary and middle schools on a scheduled basis, where practicum students lead younger students in engaging, hands-on activities designed to showcase different programs of study within STEM. As part of the practicum, students are responsible for planning, organizing, and executing these educational activities, gaining valuable experience in teaching, project management, and technical support. This course allows students to deepen their understanding of STEM concepts while fostering an interest in STEM among younger students in the community.

Practicum in Engineering (Electric Vehicles)

TEDS: 12756080 **KISD:** 82373 (1st time taken); 82386 (2nd time taken)

Grade: 12

Prerequisite: 3 credits in the engineering program

This year-long practicum offers students a hands-on, immersive experience in the design and construction of an electric vehicle powered by solar energy and batteries. Throughout the course, students will build a vehicle from the ground up, with the goal of competing against others in races to determine which car can achieve the greatest speed and distance using sustainable energy. Students will design every component of the vehicle, manufacture parts using both power and hand tools, and gain practical skills in welding, soldering, and basic wiring. In addition to developing essential automotive knowledge, this practicum provides supervised, practical application of the engineering concepts and skills students have previously studied. The experience is tailored to engage students in real-world problem-solving and innovation in a collaborative, competitive environment.

Practicum in Engineering (Internships)

TEDS: 12756080 **KISD:** 82376

Credit: 2

Grade: 12

Prerequisite: 3 credits in the engineering program

This practicum is designed for students who are interested in internships with corporate and local engineering partners. The course provides a unique opportunity for students to apply their previously

acquired knowledge and skills in a real-world setting, gaining hands-on experience in various engineering fields such as mechanical, electrical, civil, aeronautical, and computer engineering. Before beginning their internships, students will receive comprehensive soft skills training, preparing them for professional environments. Throughout the practicum, students will continue to refine these skills within the classroom, ensuring they are well-equipped for future career opportunities. Internship experiences are carefully supervised and take place in locations appropriate to the nature and level of the student's experience. Please note that internship placements are limited and not guaranteed for all students.

AVID COURSES

AVID I

TEDS: N1290001 **KISD:** 5762

Credit: 1

Grade: 9-12

Required prerequisite: Application process

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success. Each week, students receive instruction that utilizes a rigorous college-preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities, and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization, and reading to support their academic growth. Additionally, students engage in activities centered around exploring college and career opportunities and their own agency.

AVID II

TEDS: N1290002 **KISD:** 5763

Credit: 1

Grade: 9-12

Required prerequisite: Application process

During the 10th grade AVID elective course, students will refine the AVID strategies to meet their independent needs and learning styles. Students will continue to refine and adjust their academic learning plans and goals, increasing awareness of their actions and behaviors. As students increase their rigorous course load and school/community involvement, they will refine their time-management and study skills accordingly. Students will expand their writing portfolio to include analyzing prompts, supporting arguments and claims, character analysis, and detailed reflections. Students will also

analyze various documents to participate in collaborative discussions and develop leadership skills in those settings. Students will expand their vocabulary use, continuing to prepare for college entrance exams. Text analysis will focus on specific strategies to understand complex texts. Lastly, students will narrow down their colleges and careers of interest based on their personal interests and goals. *This course will count as a student's 21st century skill requirement for graduation.*

AVID III

TEDS: N1290030 **KISD:** 5764

Credit: 1

Grade: 11-12

Required prerequisite: Previous enrollment in AVID elective class prior to grade 11 for at least 1 year; enrollment in at least one advanced, AP, or dual credit course in the 11th grade.

The 11th grade AVID Elective course is the first part in a junior/senior seminar course that focuses on writing and critical thinking expected of first- and second-year college students. In addition to the academic focus of the AVID seminar, there are college-bound activities, methodologies, and tasks that should be undertaken during the junior year to support students when they apply to four-year universities and confirm their postsecondary plans.

AVID IV

TEDS: N1290033 **KISD:** 5766

Credit: 1

Grade: 12

Required prerequisite: 2 years of previous AVID courses; enrollment in at least one advanced, AP, or dual credit course in the 12th grade

The 12th grade AVID elective course is the second part in a junior/senior seminar course that focuses on the writing and critical thinking expected of first- and second-year college students. Students will complete a final research essay project with research skills gained in their junior year in AVID. In addition to the academic focus of the AVID senior seminar, there are college-bound activities, methodologies, and tasks that should be achieved during the senior year that support students as they apply to four-year universities and confirm their postsecondary plans. All AVID seniors must develop and present a portfolio representing their years of work in the AVID program and complete the requirements for the seminar course.

MISCELLANEOUS COURSES

Academic Decathlon I-IV

TEDS: N1290309 I KISD: 1180

TEDS: N1290313 II KISD: 1181

TEDS: N1290317 III KISD: 1189

TEDS: N1290318 IV KISD: 1190

Credit: 1

Grade: 9-12

Prerequisite: Previous test results, prior achievement in high school, teacher and counselor recommendations, and personal interviews with course instructors. Academic Decathlon provides an intensive, exciting, demanding, and rewarding educational experience, which culminates with competition in area, state and national competitions. Through discipline and determination, the students learn by a variety of methods. Study skills are perfected, and maturity is enhanced. Higher level and critical thinking skills, creative and productive thinking, the use of different learning styles with instructional strategies varying from lecture to independent study, guided research to competitive game formats and independent and guided research are all used in the many aspects in preparation for the competition experienced through the Decathlon program. In researching and writing a speech, students will compose an original paper for oral delivery, which encompasses an evaluative and critical process. Additional time beyond regular school hours is often required.

Peer Assistance for Students with Disabilities I

TEDS: N1290203 KISD: 6888 A

Credit: .5

Grade: 9-12

Prerequisite: Special Education Teacher Approval Required

Peer Assistance for Students with Disabilities is designed to promote meaningful social inclusion and create accepting school environments. Students with disabilities are given a space to develop confidence, foster independence, and improve their social skills through their interactions with their non-disabled peers. Peer assistants obtain skills training in confidentiality, cueing, prompting, and positive reinforcement to be used with the students with disabilities that they will be working with. With the guidance of their peer assistants, students with disabilities can discover new strengths and abilities that help them find joy and fulfillment. Likewise, peer assistants experience growth in their understanding of disabilities and special education supports. In addition, peer assistants will develop

empathy and skills that carry outside the classroom. In this inclusive environment, students will create a relationship among age-appropriate peers of different abilities, both socially and academically, that will last long beyond the classroom time.

Health Education

TEDS: 03810100

KISD: 5001

Credit: .5

Grade: 9-12

Recommended prerequisite: None

Health Education enables each student to develop an understanding of the attitudes and habits that are conducive to healthful living. The Health Education class will help students develop skills that will make them health-literate adults. Students will use problem-solving, research, goal setting, and communication skills to protect their health and that of the community. This course does *not* count towards the physical education graduation requirement.

LOCAL CREDITS

These courses do not count towards graduation requirements or grade point average.

Student Leadership I

TEDS: N1290010 I KISD: 1183

Credit: 1

Grade: 9-12

Prerequisite: Student must have been or plan to be in student council during the term and obtain teacher approval; officers and committee chairpersons will be given first opportunity

This course is designed for students to explore what it means to be a leader and guide efforts at exercising leadership skills. The course is project and activity based and includes the following topics: leadership skills, Parliamentary Procedure, group dynamics and team building, decision-making skills, personal and group motivation and goal setting, problem-solving techniques, communication skills, leadership roles, human relation skills and understanding the need for civic responsibility. A student contract outlining responsibilities and expectations will need to be signed by parent and student. A student will earn one state credit. If the course is repeated, local credit will be earned.

Student Leadership II

TEDS: 85000300 II KISD: 1184

Credit: 1

Grade: 9-12

Prerequisite: Student must have been or plan to be in student council during the term and obtain teacher approval; officers and committee chairpersons will be given first opportunity.

This course is designed for students to explore what it means to be a leader and guide efforts at exercising leadership skills. The course is project and activity based and includes the following topics

leadership skills, Parliamentary Procedure, group dynamics and team building, decision-making skills, personal and group motivation and goal setting, problem- solving techniques, communication skills, leadership roles, human relation skills and understanding the need for civic responsibility. A student contract outlining responsibilities and expectations will need to be signed by parents and student. A student will earn one state credit.

SPECIAL EDUCATION ELECTIVE COURSES

Basic Career Preparation I-II

TEDS: 12701300 I KISD: M8028

TEDS: 12701400 II KISD: M8029

Credit: 2-3

Grade: 11-12

Prerequisite: ARD decision

This instructional arrangement/setting is for providing special education or related services to students who are placed on a job with direct involvement by special education personnel in the implementation of the student's Individual Education Plan (IEP). This instructional arrangement/setting shall be used only after the school district's career and technology classes have been considered and determined inappropriate for the student. This course is a work-based instructional arrangement, which develops essential knowledge and skills through classroom, technical knowledge and on the job internships in any approved career-tech specific training area. Internship placement must be teacher approved and fall within the guidelines and requirements for students to qualify for enrollment in this program.

Methodology for Academic and Personal Success (MAPS)

TEDS: N1130021 I KISD: M8301

TEDS: MAPS110 II KISD: M8302

TEDS: MAPS113 III KISD: M8305

TEDS: MAPS114 IV KISD: M8306

Credit: 1

Grade: 9-12

Prerequisite: ARD decision

The course focuses on the skills and strategies necessary for students to make a successful transition into high school and an academic career. Students will explore the options available in high school, higher education, and the professional world to establish immediate and long-range personal goals.

STUDENTS CAN ONLY OBTAIN 1 CREDIT FOR THIS COURSE. MAPS II, MAPS III and MAPS IV ARE FOR ZERO CREDIT.

Making Connections I-IV (.5 credits per semester–up to four semesters)

TEDS: N1290332 I KISD: 9811

TEDS: N1290333 II KISD: 9821

TEDS: N1290334 III KISD: 9831

TEDS: N1290335 IV KISD: 9841

Credit: .5

Grade: 9-12

Prerequisite: ARD decision

The Making Connections course sequence serves students who have an autism spectrum disorder or a related disorder such as social (pragmatic) communication disorder which causes them to have difficulty with social skills. The courses also assist the students with developing and generalizing appropriate and beneficial social skills and in turn increase that student's postsecondary outcome. Making Connections I-IV assists the students in developing an understanding of autism and other related disorders. The course also assists the students in developing and generalizing appropriate and beneficial social skills and in turn increases that student's post-secondary outcome.

Should be considered after MAPS for students with IEPs who require specifically designed instruction in social skills and understanding of their disability needed for preparing for life after high school. ARD Committee Decision. Annual IEP goal required, and course added to schedule of services.

General Employability Skills (GES)

TEDS: N1270153 KISD: M8303

Credit: 1

Grade: 9 -12

Prerequisite: ARD decision

This course gives students knowledge of the prerequisite skills for general employment and the means of obtaining them. Employability skills include fundamentals of maintenance of personal appearance and grooming. The course also includes the knowledge, skills, and attitudes that allow employees to get along with their co-workers, make important work-related decisions, and become strong members of the work team. Discovering job possibilities that link skills, abilities, interests, values, needs, and work environment preferences is a part of the process of obtaining employability skills and abilities and is experiential learning that takes place over time. This course is designed to guide students in obtaining the knowledge and the needed employability skills that are transferable among a variety of jobs and careers and are considered essential in any employment situation. Students will learn and apply basic knowledge of what is expected in the workplace.

Activities for Daily Living (ADL) I-IV

TEDS: 85000XXX I KISD: 900

TEDS: 85000XXX II KISD: 901

TEDS: 85000XXX III KISD: 902

TEDS: 85000XXX IV KISD: 903

Credit: 0

Grade: 9-12

Prerequisite: ARD Decision

This course is developed to integrate the domestic, recreation, leisure, school, and community domains. Students investigate through activity-based sessions, a variety of activities associated with the daily living experience. Organizing a daily routine and schedule will serve the students in their process of taking charge of independent living. Students will study areas of cooking, safety, leisure, chores, duties, responsibilities, budget, time management, first-aid, and communication. Personal safety and responsibility will be examined in response for taking care of oneself, others, and/or pets. Health care, transportation, telephone skills, and appropriate recreation activities are addressed to develop a full capacity living experience. Students will develop strategies to respond to potential emergencies that may appear in daily living.

Activities for Daily Living I: Focus will be on the study of daily living experiences with emphasis on daily routines and schedules.

Activities for Daily Living II: Focus will be on the study of daily living experiences with emphasis on personal safety and responsibility.

Activities for Daily Living III: Focus will be on the study of daily living experiences with emphasis on independent living skills.

Activities for Daily Living IV: Focus will be on the study of daily living experiences with emphasis on life choices, needs, and employment issues.

Basic Student to Industry Connection

TEDS: N1270154 KISD: M8030

Credit: 1

Grade: 11-12

Prerequisite: ARD Decision

This course gives students with an IEP and access modified curriculum the opportunity to develop professional relationships with experienced individuals within the student's chosen program of student. The primary focus of this course is to prepare students to be 21st century career ready through interaction with a seasoned workplace mentor. The course may include a work-based learning component. Instruction will support students with marketable skills attainment.

Fundamentals of Advanced Health Education

TEDS: 03810200

KISD: T5003

Credit: .5

Grade: 9-12

Prerequisite: ARD Decision

This course continues to expand upon health awareness. Applications related to current events, access to health and social services within the community, wellness strategies, mental health awareness, and substance abuse would be identified and examined. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs.

Fundamentals of Applied Music I-II

TEDS: 03152500 I

KISD: T2750

TEDS: 03152600 II

KISD: T2751

Credit: 1

Grade: 9-12

Prerequisite: ARD Decision

The Applied Music course will introduce to the students the basic skills and concepts which will enable the student to explore life around them in new ways. Through the applied arts, the students will increase their problem-solving skills, sharpen their communication skills and participate in cooperative learning activities.

Fundamentals of Art

TEDS: 03500100

KISD: T7403

Credit: .5

Grade: 9-12

Prerequisite: ARD Decision

This alternate comprehensive study stresses the elements and principles of art and their uses in two and three- dimensional art. Various media and art forms are used to gain understanding of the basics. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs.

Fundamentals of Health Education

TEDS: 03810100

KISD: T5001

Credit: .5

Grade: 9-12

Prerequisite: ARD Decision

This course is a study in health awareness. Particular attention is given to growth, reproduction and development, exercise, diet and nutrition, leisure activities, personal development, and strategies to use in addressing personal health and hygiene issues and social skill development. The study of disease and life choices related to prevention will be addressed within the course. Emphasis will be

on making healthy lifestyle decisions. Some variation in course content/emphasis may occur on campus depending on the students' individual learning needs.

Fundamentals of Independent Study in Technology

TEDS: 03580900

KISD: T8603

Credit: 1

Grade: 9-12

Prerequisite: ARD Decision

This course is an introduction to the computer and its uses. The student will develop skills through a continuous program of selective practice based on individual needs. The PAES (Practical Assessment Exploration System) Lab provides a comprehensive assessment to determine interests, aptitudes, learning styles, and possible work behavior barriers. This course is a comprehensive, hands-on curriculum that provides training in basic vocational skills and appropriate work behaviors. PAES operates in a simulated work environment in an on-campus lab setting where strict work procedures are followed. Students learn and explore career and vocational pathways in the following areas: Business/Marketing, Computer/Technology, Construction/Industrial, Processing/Production, and Consumer Service.

Fundamentals of Career Preparation I-II

TEDS: 12701300 I

KISD: T8028

TEDS: 12701400 II

KISD: T8029

Credit: 3

Grade: 11-12

Prerequisite: ARD Decision

This instructional arrangement/setting is for providing special education or related services to students who are placed on a job with direct involvement by special education personnel in the implementation of the student's Individual Education Plan (IEP). This instructional arrangement/setting shall be used only after the school district's career and technology classes have been considered and determined inappropriate for the student. This course is a work-based instructional arrangement, which develops essential knowledge and skills through classroom, technical knowledge and on the job internships in any approved career- tech specific training area. Internship placement must be teacher-approved and fall within the guidelines and requirements for students to qualify for enrollment in this program.

Fundamentals of Touch System Data Entry

TEDS: 13011300

KISD: T8301

Credit: .5

Grade: 9-12

Prerequisite: ARD Decision

This course is an introduction to the computer and its uses. In this course, students will develop psychomotor skills in operating the keyboard and achieving acceptable speed and accuracy levels.

This course will provide opportunities for students to apply keyboarding skills in real-life situations. The student will develop skills through a continuous program of selective practice based on individual needs.

Fundamentals of Student to Industry Connection

TEDS: N1270154

KISD: T8030

Credit: 1

Grade: 11-12

Prerequisite: ARD decision

This course provides students who have an IEP and are accessing alternate curriculum with the opportunity to develop professional relationships with experienced individuals within the student's chosen program of student. The primary focus of this course is to prepare students to be 21st century career ready through interaction with a seasoned workplace mentor. The course may include a work-based learning component. Instruction will support students with marketable skills attainment.

Professional Communications

TEDS: 13009900

KISD: T1465

Credit: .5

Grade: 9-12

Prerequisite: ARD decision

Understanding and developing skills in oral communication are fundamental to all other learning and to all levels of human interaction. Students must understand concepts and processes involved in sending and receiving oral messages, evaluating and using nonverbal communication and listening for a variety of purposes. In Applied Speech Communication, students develop communication skills in interpersonal groups and public interaction to establish and maintain productive relationships and function effectively in social, academic, and citizenship roles.

Adult Transition Lab (ADL) I-II

TEDS: 85000XXX I

KISD: 990

TEDS: 85000XXX II

KISD: 991

Credit: 0

Grade: 12+

Prerequisite: ARD Decision; age of 18-21

Completed requirements under minimum graduation plan; documented educational need in the form of an Individualized Education Program (IEP) in the area of postsecondary goals and/or functional based goals as documented in their individual transition plan.

The goal of the Keller ISD Secondary Transition Services program is to provide a seamless transition to life after high school by offering multiple opportunities to learn and use the skills necessary to function as independently as possible. Based on individual interests, strengths, and choices, each

student will participate in community, recreational, employment, and independent living activities. These activities will continue into their adult life independent of educational services.

Individualized supports for a successful transition to adult life are provided in the area of employment, recreation/activities, and independent living. Each young adult's daily schedule is based upon their postsecondary goals and corresponding performance expectations, and Individualized Education Program goals and objectives developed with collaboration of the student, his/her parents, teachers, and identified adult agencies.

In addition to completing the minimum credit requirements, the student will graduate and be awarded a regular high school diploma when they have successfully completed their IEP consistent with one of the following conditions:

- The student has maintained full time employment based on the student's abilities and local employment opportunities, in addition to sufficient self-help skills to enable the student to maintain the employment without direct and ongoing educational support of the local school district.
- The student has demonstrated mastery of specific employability skills and self-help skills, which do not require direct ongoing educational support of the local school district.
- The student has gained access to services, which are not within the legal responsibility of public education, or employment or educational options for which the student has been prepared by the academic program.

DUAL ENROLLMENT/ DUAL CREDIT COURSES

Tarleton State University Dual Enrollment Courses Available in KISD			
Tarleton Today Course Name	Tarleton Course Code	High School Course Name	Required Prerequisites
Composition I	ENGL 1301	English 3A	Successful completion of English I & English II
American Literature	ENGL 2326	English 3B	Successful completion of English I & English II
Composition II	ENGL 1302	English 4A	Successful completion of English I, English II & Dual Credit or Dual Enrollment English III
British Literature	ENGL 2321	English 4B	Successful completion of English I, English II & Dual Credit or Dual Enrollment English III
US History 1301	HIST 1301	US History A	
US History 1302	HIST 1302	US History B	
Federal Government	GOVT 2305	United States Government	
Personal Finance	BUSI 1307	Economics	
General Psychology	PSYC 2301	Psychology	One Semester
College Chemistry	CHEM 1311, Chem 1111	Chemistry	Credit in Algebra II or concurrently enrolled

College Algebra	MATH 1314	Algebra II	Credit in Algebra I
Elementary Statistical Methods	MATH 1342	Statistics	Credit in Algebra I
Precalculus	MATH 2412	Precalculus	Credit in Algebra I, Algebra II and Geometry
Introduction to the Teaching Profession	EDUC 1301	Instructional Practices	Successful completion of Child Development
Introduction to Special Populations	EDUC 2301	Practicum in Education and Training	Successful completion of Instructional practices

KISD Dual Program Pathway Curriculum

The following courses apply to specific pathways. You must check with your college/university for transfer capability.

<u>AGRICULTURE</u>				
Dual Advanced Animal Science	HS Campus	1	Weatherford College	AGRI 1419 Animal Science
<u>AVIATION MAINTENANCE TECHNOLOGY: AIRFRAME-AVIA.D002.UG</u>				
Dual Aircraft Airframe Technology	College Campus	2	TCC	AERM 1315 Aviation Science
				AERM 1205 Weight and Balance
				AERM 1310 Ground Operations
				AERM 1208 Federal Aviation Agency Regulations
Dual Advanced Aircraft Technology	College Campus	2	TCC	AERM 1314 Basic Electricity
				AERM 1303 Shop Practice
<u>PROFESSIONAL PILOT-ATPP.D004.UG</u>				

Practicum in Transportation Systems Age Requirement - 17	College Campus	2	TCC	AIRP 1301 Air Navigation
				AIRP 1317 Private Pilot Ground
				AIRP 1215 Private Flight
				AIRP 1313 Introduction to Aviation
Practicum in Transportation Systems (2 nd Time) Age Requirement - 17	College Campus	2	TCC	AIRP 1451 Instrument Ground School
				AIRP 1307 Aviation Meteorology
				AIRP 1341 Advanced Air Navigation
				AIRP 2250 Instrument Flight

Dual Aircraft Airframe Technology

Aviation Science, Weight and Balance, Ground Operations, Federal Aviation Agency Regulations

TEDS: 13039400

KISD: 82721

Credit: 2

Grade: 11-12

Prerequisite: TCC Admission Standards

This course is designed to teach the theory of operation of aircraft airframes, power plants, and avionics systems and associated maintenance and repair practices. Aircraft services include knowledge of the function, diagnosis, and service of the electrical, electronic, hydraulic, pneumatic, airframe, mechanical, and power plant components of aircraft. Students must enroll, purchase the books required, and pay for Aviation Science (AERM 1315), Weight and Balance (AERM 1205), Ground Operations (AERM 1310), Federal Aviation Agency Regulations (AERM 1208) at TCC to receive credit for this course. These classes are all taught at TCC-Alliance. **Students must have their own transportation.**

Dual Aircraft Powerplant Technology

Basic Electricity, Shop Practices

TEDS: 13039500

KISD: 82722

Credit: 2

Grade: 12

Prerequisite: Dual Aircraft Airframe Technology and TCC Admission Standards

This course is designed to apply the theory of operation, repair, and maintenance of aircraft airframes, power plants, and avionics systems. Aircraft services include knowledge of the function, diagnosis, and service of the electrical, electronic, hydraulic, pneumatic, airframe, mechanical, and power plant components of aircraft as governed by federal aviation regulations. Students must enroll, purchase the books required, and pay for Basic Electricity (AERM 1314) and Shop Practices (AERM 1303) at TCC to receive credit for this course. These classes are all taught at TCC-Alliance. Students must have their own transportation.

Dual Practicum in Transportation Systems I (Professional Pilot)

TCC Professional Pilot - Air Navigation, Private Pilot Ground, Private Flight, Introduction to Aviation

TEDS: 13040450

KISD: 82763

Credit: 2

Grade: 11-12

Prerequisite: TCC Admission Standards and 17 years of age.

The Professional Pilot Program features an FAA Part 141-approved flight training curriculum. TCC partners with US Aviation Group (Denton, Texas) to offer our program at Alliance Airport in Fort Worth, Texas. You will get the classroom and in-air experience you need to succeed as you earn:

- FAA Pilot certifications, licenses and additional ratings
- College credit towards an Associate of Applied Science degree
- Students must enroll, purchase the books required, and pay for Air Navigation (AIRP 1301), Private Pilot Ground (AIRP 1317), Private Flight (AIRP 1215), Introduction to Aviation (AIRP 1313) at TCC to receive credit for this course. These classes are all taught at TCC-Alliance.

Students must have their own transportation.

Dual Practicum in Transportation Systems II (Professional Pilot)

TCC Professional Pilot – Instrument Ground School, Aviation Meteorology, Advanced Air Navigation, Instrument Flight

TEDS: 13040460

KISD: 82764

Credit: 2

Grade: 12

Prerequisite: TCC Admission Standards and 17 years of age.

The Professional Pilot Program features an FAA Part 141-approved flight training curriculum. TCC partners with US Aviation Group (Denton, Texas) to offer our program at Alliance Airport in Fort Worth, Texas. You will get the classroom and in-air experience you need to succeed as you earn:

- FAA Pilot certifications, licenses and additional ratings
- College credit towards an Associate of Applied Science degree
- Students must enroll, purchase the books required, and pay for Instrument Ground School (AIRP 1451), Aviation Meteorology (AIRP 1307), Advanced Air Navigation (AIRP 1341), Instrument Flight (AIRP 2250) at TCC to receive credit for this course. These classes are all taught at TCC-Alliance. Students must have their own transportation.

KELLER COLLEGIATE ACADEMY



Keller Collegiate Academy provides pathways in:

Associate of Arts with Health Science certifications

Associate of Science with Health Science certifications

University of Texas at Arlington Nursing Academy

(selective admission through University of Texas Arlington Nursing Academy Partnership)

Keller Collegiate Academy - Associate of Arts Credit Check

Student Name:	Keller Student ID:	TCC Student ID:
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Subject Area	COURSE	TCCNS	SEM GRADE	Subject Area	COURSE	TCCNS	SEM GRADE
English (4.0)	English I A			Math (4.0)	Algebra I A		
	English I B				Algebra I B		
	English II A				Geometry A		
	English II B				Geometry B		
	English III A	ENGL 1301					
	English III B	ENGL 1302			Algebra II	MATH 1314	
	English IV A	ENGL 2332			Statistics (1 Credit)	MATH 1342	
	English IV B	ENGL 2333					
Social Studies (4.0)	World/ AP Human Geography A			Science (4.0)	Biology A		
	World/ AP Human Geography B				Biology B		
	World History/ WHAP A				Chemistry A		
	World History/WHAP B				Chemistry B		
	US History A	HIST 1301			Physics/AP Physics A		
	US History B	HIST 1302			Physics/AP Physics B		
	Government	GOVT 2305			Anatomy & Physiology	BIOL 2401	
	Economics				Anatomy & Physiology	BIOL 2402	

World Languages (2.0)	Spanish I A			AVID	8th Grade AVID A		
	Spanish I B				8th Grade AVID B		
	Spanish II A				AVID I A		
	Spanish II B				AVID I B		
	Other:				AVID II A		
	Other:				AVID II B		
Speech (0.5)	Prof Comm	SPCH 1321			AVID III A		
Phys. Ed. (1.0)	HS PE A,B	KINE 1164			AVID III B		
					AVID IV A		
Fine Arts (1.0)	HS Art A,B	ARTS 1301			AVID IV B		
Electives (5.5)	General Psych	PSYC 2301		MISC	Certification		Obtained
	HS Med Term				PCT		<input type="checkbox"/>
	Dual Med Term	HPRS 1206			MED ASST		<input type="checkbox"/>
	HS Health Science Theory A				Programs		
	HS Health Science Theory B				SPED		<input type="checkbox"/>
	SPTSS	GOVT 2306			LPAC		<input type="checkbox"/>
	Practicum in HST (PCT) A (1 credit)				G/T		<input type="checkbox"/>
	Practicum in HST (PCT) B (1 credit)				AVID		<input type="checkbox"/>
	Practicum in HST II (MED ASST) A (1.5 credits)				TESTS		
	Practicum in HST II (MED ASST) B (1.5 credits)	HPRS 1202			TSIA2		<input type="checkbox"/>
	Microbio (1 credit) /Science (Geology)	BIOL 2420			SAT/ACT		<input type="checkbox"/>
	Pharmacology	HPRS 2200			PSAT		<input type="checkbox"/>
	Pathophysiology	HPRS 2201					

Keller Collegiate Academy - Associate of Science Credit Check

Student Name:	Keller Student ID:	TCC Student ID:
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Subject Area	COURSE	TCCNS	SEM GRADE	Subject Area	COURSE	TCCNS	SEM GRADE
English (4.0)	English I A			Math (4.0)	Algebra I A		
	English I B				Algebra I B		
	English II A				Geometry A		
	English II B				Geometry B		
	English III A	ENGL 1301			Algebra II (A,B)	MATH 1314	
	English III B	ENGL 1302			Pre Calculus (A,B)	MATH 2412	
	English IV A	ENGL 2332			Calculus I (Dbl Bk)	MATH 2413	
	English IV B	ENGL 2333			Calculus II (Dbl Bk)	MATH 2414	
Social Studies (4.0)	World/ AP Human Geography A			Science (4.0)	Biology A		
	World/ AP Human Geography B				Biology B		
	World History/ WHAP A				Chemistry A		
	World History/ WHAP B				Chemistry B		
	US History A	HIST 1301			Physics/AP Physics A		
	US History B	HIST 1302			Physics/AP Physics B		
	Government	GOVT 2305			SCIRD A	BIOL 1406	
	Economics				SCIRD B	BIOL 1407	
World Languages (2.0)	Spanish I A			AVID	8th Grade AVID A		
	Spanish I B				8th Grade AVID B		
	Spanish II A				AVID I A		
	Spanish II B				AVID I B		
	Other:				AVID II A		
	Other:				AVID II B		
Speech (0.5)	Professional Communications	SPCH 1321		AVID III A			
Phys. Ed. (1.0)	HS PE A,B	KINE 1164		AVID III B			
				AVID IV A			
Fine Arts (1.0)	HS Art A,B	ARTS 1301		AVID IV B			
Electives (5.5)	General Psych	PSYC 2301		MISC	Certification		Obtained
	HS Med Term				PCT		<input type="checkbox"/>
	Dual Med Term	HPRS 1206			MED ASST		<input type="checkbox"/>
	HS Hlth Sc Theory A				Programs		
	HS Hlth Sc Theory B				SPED		<input type="checkbox"/>
	SPTSS	GOVT 2306			LPAC		<input type="checkbox"/>
	Practicum in HST (PCT) A (1 credit)				G/T		<input type="checkbox"/>
	Practicum in HST (PCT) B (1 credit)				AVID		<input type="checkbox"/>
	Practicum in HST II (MED ASST) A (1.5 credits)				TESTS		
	Practicum in HST II (MED ASST) B (1.5 credits)				TSIA2		<input type="checkbox"/>
			SAT/ACT		<input type="checkbox"/>		
			PSAT		<input type="checkbox"/>		

TCC Speech Communications

TCC SPCH 1321 Business and Professional Communications

TEDS: 13009900

KISD: 1461PD

Credit: .5

Grade: 9-12

Prerequisite: None

Introduces basic human communication principles and theories embedded in a variety of contexts including interpersonal, small group, and public speaking.

TCC Algebra II

TCC MATH 1314 College Algebra

TEDS: 03100607

KISD: 2043PD

Credit: 1

Grade: 11-12

Prerequisite: TSI met in Algebraic Math pathway

In-depth study and applications of polynomial, rational, radical, exponential, and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.

TCC Precalculus

TCC Math 2412

TEDS: 03101100

KISD: 2314PD

Credit: 1

Grade: 11

Prerequisite: TCC Admission Standards

In depth combined study of algebra, trigonometry, and other topics for calculus readiness.

TCC Calculus I/Calculus II

TCC Math 2413 and Math 2414

TEDS: 03102500

KISD: 2322P

Credit: 1

Grade: 12

Prerequisite: TCC Admission Standards

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. Differentiation and integration of transcendental functions; parametric equations and polar coordinates; techniques of integration; sequences and series; and improper integrals.

TCC Statistics

TCC MATH 1342 Elementary Statistical Methods

TEDS: 03102530

KISD: 2414P

Credit: 1

Grade: 9-12

Prerequisite:

1. TSI Met in Reading and
2. TSI Met in Non-Algebraic Math pathway

Collection, analysis, presentation, and interpretation of data, and probability. The analysis includes descriptive statistics, correlation and regression, confidence intervals, and hypothesis testing. The use of appropriate technology is recommended.

TCC Biology(Scientific Research & Design)

TCC BIOL 1406 Biology for Science Majors and BIOL 1407 Biology for Science Majors 2

TEDS: 13037200

KISD: 8225P

Credit: 1

Grade: 11

Prerequisite: TCC Admission Standards

Fundamental principles of living organisms will be studied, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Concepts of cytology, reproduction, genetics, and scientific reasoning are included. The diversity and classification of life will be studied, including animals, plants, protists, fungi, and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology, and evolution of plants and animals.

TCC Chemistry (Scientific Research & Design)

TCC CHEM 1411 General Chemistry and TCC Chem 1412 General Chemistry 2

TEDS: 13037210

KISD: 8226P

Credit: 1

Grade: 12

Prerequisite: TCC Admission Standards

Fundamental principles of chemistry in the sciences, health sciences, and engineering; topics include measurements, matter, chemical reactions, stoichiometry, periodicity of elemental properties, atomic and molecular structure, chemical bonding, solutions properties of gases, and an introduction to thermodynamics and descriptive chemistry. Chemical equilibrium; phase diagrams and spectrometry; acid-base concepts; kinetics; electrochemistry; nuclear chemistry; an introduction to organic chemistry.

TCC Anatomy and Physiology

TCC BIOL 2401 Anatomy and Physiology (Lecture and Lab)

TEDS: 13020600

KISD: 3203P

Credit: 1

Grade: 9-12

Prerequisite: TSI Met in Reading and Writing

Anatomy and Physiology I is the first part of a two-course sequence. It is a study of the structure and function of the human body including cells, tissues, and organs of the following systems:

integumentary, skeletal, muscular, nervous, and special senses. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis.

Content may be either integrated or specialized. The lab provides a hands-on learning experience for the exploration of human system components and basic physiology. Systems to be studied include integumentary, skeletal, muscular, nervous, and special senses.

TCC Anatomy and Physiology II (Lecture and Lab)

TCC BIOL 2402 Anatomy and Physiology II (Lecture and Lab)

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study

Grade: 9-12

Prerequisite: BIOL 2401 Anatomy and Physiology

Anatomy and Physiology II is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. The lab provides a hands-on learning experience for the exploration of human system components and basic physiology. Systems to be studied include endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics).

TCC Medical Microbiology

TCC BIOL 2420 Microbiology for Non-Science Majors (lecture and Lab)

TEDS: 13020700

KISD: 8121P

Credit: 1

Grade: 10-12

Prerequisite(s):

1. TSI Met in Reading and
2. TSI Met in Non-Algebraic Math pathway

Prerequisite: MATH 1314

This course covers basic microbiology and immunology and is primarily directed at pre-nursing, pre-allied health, and non-science majors. It provides an introduction to historical concepts of the nature of microorganisms, microbial diversity, the importance of microorganisms and acellular agents in the biosphere, and their roles in human and animal diseases. Major topics include bacterial structure as well as growth, physiology, genetics, and biochemistry of microorganisms. Emphasis is on medical microbiology, infectious diseases, and public health.

TCC Pathophysiology Honors

TCC HPRS 2201 Pathophysiology

TEDS: 13020800

KISD: 82822

Credit: 1

Grade: 11-12

Study of the pathology and general health management of diseases and injuries across the life span. Topics include etiology, symptoms, and physical and psychological reactions to diseases and injuries.

TCC Special Topics in Social Studies

TCC GOVT 2306 Texas Government

TEDS: 03380001

KISD: 1204P

Credit: .5

Grade: 11

Prerequisite: TCC Admission Standards

Origin and development of the Texas Constitution, structure and powers of state and local government, federalism and inter-governmental relations, political participation, the election process, public policy, and the political culture of Texas.

TCC Government

TCC GOVT 2305 Federal Government

TEDS: 03330100

KISD: 4304PD

Credit: .5

Grade: 12

Prerequisite: ENGL 1301 with a grade of C or TSI-compliant in Reading

Origin and development of the U.S. Constitution, structure, and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties, and civil rights.

TCC Psychology

TCC PSYC 2301 General Psychology

TEDS: 03350100

KISD: 4402PD

Credit: .5

Grade: 9-12

Prerequisite: TSI Met in Reading

A survey of the major psychological topics, theories, and approaches to the scientific study of behavior and mental processes.

TCC Art

TCC ARTS 1301 Art Appreciation

TEDS: 03500110

KISD: 7543PD

Credit: 1

Grade: 10-12

Prerequisite: None

This full year advanced course will explore a chronological analysis of the historical and cultural contexts of the visual arts from prehistoric times to the 14th century and beyond. Students will explore a variety of art methods and materials utilized by different civilizations throughout history. It will provide hands-on art making experiences in addition to lectures and high-level discussions. Students will earn .5 TCC dual credit during the first semester and .5 high school fine arts credit during the second semester. Students are required to enroll in this art course for the entire school year.

TCC Physical Education

TCC KINE 1164 Introduction to Physical Fitness and Wellness

TEDS: PES00051

KISD: 5041P

Credit: 1

Grade: 10-12

Prerequisite: None

This course will provide an overview of the lifestyle necessary for fitness and health. Students will participate in physical activities and assess their fitness status. Students will be introduced to proper nutrition, weight management, cardiovascular health, flexibility, and strength training. Includes:

1. Scientific information concerning values and preventive medical benefits of exercise.

2. Individual (personal) evaluations and experiments to determine the present health and fitness status.

3. Development of a personal exercise program based on the student's needs.

TCC Medical Terminology

TCC HPRS 1206 Essentials of Medical Terminology

TEDS: 13020300

KISD: 8181PB

Credit: .5

Grade: 9-12

Prerequisite: None

A study of medical terminology, word origin, structure, and application.

TCC Pharmacology

TCC HPRS 2200 Pharmacology

TEDS: 13020950

KISD: 8188P

Credit: 1

Grade: 11-12

Prerequisite: None

A study of drug classifications, actions, therapeutic uses, adverse effects, routes of administration, and calculation of dosages.