
Keller
Independent School District
HIGH SCHOOL ACADEMIC
PLANNING GUIDE
2027-2028

KELLER

INDEPENDENT SCHOOL DISTRICT

BOARD OF TRUSTEES

President | John Birt

Vice President | Heather Washington

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Trustees | Chris Coker

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Chelsea Kelly

Superintendent | Dr. Cory Wilson

Chief Academic Officer | Jennifer Price

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 (9th)** - 0 to 5.5 credits
- **Sophomore (10th)** - 6 to 11.5 credits
- **Junior (11th)** - 12 to 17.5 credits
- **Senior (12th)** - 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

MS courses for HS credit	INCLUDED in GPA calculation
GPA Scale	6.0
Course Weight	Regular courses maximum GPA 4.0 Honors/Dual Credit/Dual Enrollment courses maximum GPA 5.0 AP/UT OnRamps courses maximum GPA 6.0
Courses used in Weighted GPA Calculation	Core and LOTE only (See GPA Weighted Course List below) **Excludes:** 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

	*Unweighted GPA includes ALL courses taken for state HS credit except those graded as P/F Grades below 70 not included in calculation
Weighted GPA Exemptions for Class Rank	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.
Top 10%/GPA Posting	Weighted GPA/Rank available each semester on transcript GPA/Rank includes early graduates for that class
Date of Final Ranking	End of 3rd 9 weeks in 12th The final 3rd 9 weeks grade will be treated as the semester 2 grade for purposes of final GPA and rank calculation Valedictorian/Salutatorian cannot be early graduates

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

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 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).*

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 CORRECTIONS

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.
- March 12, 2027, the Friday before Spring Break will be the final day to request changes to course registration.

Schedule Corrections Guidelines

Only schedules that meet the following criteria will be considered for correction:

- Seniors not enrolled in a course REQUIRED for graduation
- Student is scheduled in a course for which they already have credit.
- Student has an incomplete schedule
- Student is enrolled/not enrolled in an application/audition/financial obligation course for which they were approved
- Student has failed a course and needs to repeat the course.

Request to change levels Honors/AP/Dual Credit/Dual Enrollment Courses

Students may submit a request for a level change in August before school begins through the first three days of school.

Request to exit Honors/AP/Dual Credit/Dual Enrollment Courses

1.) At the end of the first quarter
2.) The first five days of the spring semester for full-year classes only
3.) At the end of the third quarter for one semester spring AP courses **ONLY** (AP Government, AP Macroeconomics, AP Microeconomics)

Exit Guidelines for Dual Enrollment Courses

1. Students who withdraw from a dual enrollment class will be moved into an on-level class. The withdrawal grade earned in the exited class will be substituted for assignments missed.
2. Students who wish to withdraw from a dual enrollment class for which there is no non-dual equivalent will be placed in another course for which they may or may not receive high school credit towards graduation.
3. Dual enrollment courses may require tuition payment, fees, and textbook costs. Failure to pay your tuition prior to the school or college deadline will result in the student being automatically removed from the class.

Exit Guidelines for Honors and AP Courses

1. To exit an Honors and/or AP course, parent contact must occur with the teacher, and the student must confer with the counselor.
2. A student that exits out of an Honors and/or AP course will retain this grade in the new course. If a student exits with a grade below 70 in the original course, this may impact their UIL eligibility.
3. Exiting an Honors and/or AP course prior to the end of a semester will result in loss of weighted credit.
4. Students who wish to withdraw from an AP class, for which there is no non-AP equivalent will be placed in another course for which they may or may not receive high school credit towards graduation.

To exit Honors/AP courses, the following must occur:

- Attend documented tutorials and have all assignments completed.
- Parent/Teacher/Student conference
- Complete the campus request form and submit by the designated due date and time.

Requests that meet the established guidelines stated above will only be approved if there is a class available, and the change does not exceed the class size limit designated by administration.

GRADUATION REQUIREMENTS

Subject Area	Foundation with Endorsement	Distinguished Level of Achievement
English Language Arts	**Four credits:** - English I - English II - English III - Advanced English credit	**Four credits:** - English I - English II - English III - Advanced English credit
Mathematics	**Four credits:** - Algebra I - Geometry - Algebra II - Advanced math credit	**Four credits:** - Algebra I - Geometry - Algebra II - Advanced math credit
Science	**Four credits:** - Biology - IPC, Chemistry, or Physics - Advanced science credit -Advanced science credit	**Four credits:** - Biology - IPC, Chemistry, or Physics - Advanced science credit - Advanced science credit
Social Studies	**Four credits:** -World Geography -World History	**Four credits:** -World Geography -World History

	-US History -US Government & Economics (Class of 2028 & 2029) -US Government & Personal Financial Literacy (Class of 2030 & Beyond)	-US History -US Government & Economics (Class of 2028 & 2029) -US Government & Personal Financial Literacy (Class of 2030 & Beyond)
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.**	
Additional Graduation Requirements	-21st Century Skill -CPR/AED Training -Peace Officer Interaction Training -FAFSA/TASFA Completion -My Texas Future Completion	
STAAR (EOC) Requirements	Students must take and pass at the **"Approaches Grade Level"** standard or higher, the following assessments: -English I -Algebra I -Biology -US History	

Arts and Humanities Endorsement	Includes courses directly related to World Language, English Literature, History and Fine Arts	
Business and Industry Endorsement	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. Non CTE Programs of Study include Debate, Broadcast Journalism, and Yearbook.	
Public Services Endorsement	Includes courses directly related to Cosmetology, Health Sciences, Law Enforcement, Education and Training, JROTC	
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

PROGRAMS OF STUDY

Arts and Humanities	Business and Industry	Public Services	STEM
• 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	• 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	• 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	• Biology • Chemistry • Networking & Cybersecurity • Engineering • Environmental Science • Math • Physics • 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	Interior Design 1 Interior Design 2 Career Prep 1
Automotive	Automotive Basics	Automotive Technology 1	Automotive Technology 2	Practicum in Transportation Systems	Career Prep 1
Construction Technology	Principles of Construction	Construction Technology 1	Construction Technology 2	Practicum in Construction Technology	Entrepreneurship Career Prep 1
Electrician	Principles of Construction	Electrical Technology 1	Electrical Technology 2	Practicum in Construction Technology	Entrepreneurship Career Prep 1
HVAC Technician	Principles of Construction	HVAC 1 AND Electrical Technology 1	HVAC 2	Practicum in Construction Technology	Entrepreneurship Career Prep 1
Interior Design	Principles of Architecture	Interior Design 1	Interior Design 2	Practicum in Interior Design	Architectural Design 1 Architectural Design 2 Career Prep 1
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 AP Computer Science Career Prep 1
Plant Science	Principles of Agriculture, Food, & Natural Resources	Floral Design	Advanced Floral Design	Practicum in Agriculture (Floral) Practicum in Agriculture (Ag Center)	Horticulture Science Career Prep 1

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 Entrepreneurship Career Prep 1
Programming & Software Development	Computer Science 1 Honors	AP Computer Science	Computer Science 2: Python Programming AND/OR Video Game Design 1	Practicum in IT: Internships Video Game Design 2	Principles of Information Technology Entrepreneurship Career Prep 1
Veterinary Studies	Principles of Agriculture, Food, & Natural Resources	Veterinary Science	SRD: Veterinary Clinical Skills AND Advanced Animal Science OR Advanced Animal Science (Dual Credit)	Practicum in Agriculture (Veterinary) Practicum in Agriculture (Ag Center)	Wildlife, Fisheries, & Ecology Management Small Animal Management Equine Science Livestock and Poultry Production Agribusiness Marketing & Management Career Prep 1
Welding	Introduction to Welding	Welding 1	Welding 2	Practicum in Manufacturing	Entrepreneurship Career Prep 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	BIM 1 - Foundations of Business Communication AND Accounting 2 Honors	Practicum in Business Management	Financial Math Entrepreneurship Money Matters Career Prep 1
Business Management	Principles of Business, Marketing, & Finance	BIM 1 - Foundations of Business Communication Business Management	BIM 1 - Foundations of Business Communication BIM 2 - Business Communications Business Management Statistics & Business Decision Making	Practicum in Business Management Business Management Statistics & Business Decision Making BIM 2 - Business Communications	Entrepreneurship Career Prep 1
Marketing	Principles of Business, Marketing, & Finance	Choose 2 or more: Advertising Social Media Marketing Sports & Entertainment Marketing Fashion Marketing	Advanced Marketing	Practicum in Marketing	Entrepreneurship Statistics & Business Decision Making Career Prep 1
Teaching & Training	Principles of Education & Training	Child Development	Instructional Practices Instructional Practices (Dual Credit)	Practicum in Education & Training Practicum in Education & Training (Dual Credit)	Career Prep 1
Health Science: Exercise Science & Sports Medicine	Medical Terminology	Health Science Theory AND Kinesiology 1	Anatomy & Physiology AND Kinesiology 2	Practicum in Health Science: Exercise Science & Sports Medicine Practicum in Health Science: Patient Care Technician (PCT) Practicum in Health Science: Clinical Medical Assistant (CMA)	Pathophysiology Medical Microbiology Pharmacology

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	Entrepreneurship	Cosmetology 1	Cosmetology 2 AND Practicum in Entrepreneurship	
Culinary Arts	Introduction to Culinary Arts	Culinary Arts	Advanced Culinary Arts	Practicum in Culinary Arts	Entrepreneurship Career Prep 1
Animation	Principles of Arts, AV Technology, & Communications Animation 1	Animation 1 Animation 2	Animation 1 Animation 2 Practicum in Animation	Animation 2 Practicum in Animation	Commercial Photography Graphic Design & Illustration 1 Graphic Design & Illustration 2 Entrepreneurship
Graphic Design	Principles of Arts, AV Technology, & Communications Graphic Design & Illustration 1	Graphic Design & Illustration 1 Graphic Design & Illustration 2	Graphic Design & Illustration 1 Graphic Design & Illustration 2 Practicum in Graphic Design & Illustration	Graphic Design & Illustration 2 Practicum in Graphic Design & Illustration	Commercial Photography Animation 1 Animation 2 Entrepreneurship
Digital Communications	Principles of Arts, AV Technology, & Communications Audio/Video Production 1	Audio/Video Production 1 Audio/Video Production 2	Audio/Video Production 2 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	Aerospace Engineering Digital Electronics Honors Civil Engineering Robotics 1 SRD: Intro to Unmanned Aerial Vehicles Computer Integrated Manufacturing	Engineering Design & Problem Solving Honors Practicum in Engineering (Mobile Classroom) Practicum in Engineering (Internships) Practicum in Engineering (Electric Vehicles) Robotics 2	Career Prep 1
Law Enforcement	Principles of Law, Public Safety, Corrections, & Security	Law Enforcement 1	Law Enforcement 2 AND Forensic Science	Practicum in Law Enforcement	Counseling & Mental Health Career Prep 1

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**
Legal Studies	Principles of Law, Public Safety, Corrections, & Security	Court Systems & Practices	Advanced Legal Skills and Professions AND Business Management	Practicum in Legal Studies	Forensic Science Career Prep 1
Health Science: Certified Nursing Assistant (CNA)	Medical Terminology	Health Science Theory	Anatomy & Physiology AND Practicum in Health Science: CNA	Practicum in Health Science: Patient Care Technician (PCT) Practicum in Health Science: Clinical Medical Assistant (CMA)	Pathophysiology Medical Microbiology Pharmacology
Health Science: Clinical Rotations	Medical Terminology	Health Science Theory	Anatomy & Physiology AND Practicum in Health Science: Clinical Rotations	Practicum in Health Science: Patient Care Technician (PCT) Practicum in Health Science: Clinical Medical Assistant (CMA)	Pathophysiology Medical Microbiology Pharmacology
Health Science: Emergency Medical Technician (EMT)	Medical Terminology	Health Science Theory	Anatomy & Physiology AND Pathophysiology	Practicum in Health Science: Emergency Medical Technician (EMT) Practicum in Health Science: Patient Care Technician (PCT) Practicum in Health Science: Clinical Medical Assistant (CMA)	Medical Microbiology Pharmacology
Health Science: Lab Tech	Medical Terminology	Health Science Theory	Anatomy & Physiology AND Medical Microbiology	Practicum in Health Science: Lab Tech Practicum in Health Science: Patient Care Technician (PCT) Practicum in Health Science: Clinical Medical Assistant (CMA)	Pathophysiology Pharmacology
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

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	Intro to Aerospace Engineering and Aviation	1 Credit	Yes	0802
7th or 8th Grade	Digital Media	1 Credit	Yes	0370
8th Grade	Project Based Research (PBR)	1 Credit	Yes	8555
Virtual - 8th Grade	Entrepreneurship	1 Credit	Yes	Z0822X
Virtual - 8th Grade	Principles of Business, Marketing & Finance	1 Credit	Yes	Z080X
Virtual - 8th Grade	Principles of Health Science	1 Credit	Yes	Z081X
Virtual - 8th Grade	Professional Communications	.5 Credit	Yes	Z0465X
Virtual - 8th Grade	Lifetime Nutrition & Wellness	.5 Credit	Yes	Z0825X

High School CTE Electives (Open to Any High School Student)

Credits	Course	Course Length	Course Number	Notes
0.5	Professional Communications	1 Semester	1465	21st Century Skill
1	Entrepreneurship	1 Semester	82533	21st Century Skill
0.5	Money Matters	1 Semester	81600	
1	Floral Design	Full Year	81800	Fine Arts Credit
0.5	Lifetime Nutrition & Wellness	1 Semester	82101	
1	BIM 1 - Foundations of Business Communication	Full Year	81401	Certification Opportunity
0.5	Social Media Marketing	1 Semester	82505	Certification Opportunity
0.5	Sports & Entertainment Marketing	1 Semester	82504	
1	Counseling & Mental Health	Full Year	82102	
1	Anatomy & Physiology	Full Year	3203; 3204 (Honors)	Science Credit
1	Forensic Science	Full Year	82420; 82430 (Honors)	Science Credit

Virtual High School CTE Courses

Grade Level	Course	Credits	Course Length	Course Number
Any	Professional Communications	0.5	1 Semester	Z1465
Any	Entrepreneurship	1	1 Semester	Z82533
Any	Money Matters	1	Full Year	Z8160
10, 11, or 12	BIM 1 - Foundations of Business Communication	1	Full Year	Z8401
9, 10, or 11	Principles of Business, Marketing, & Finance	1	Full Year	
10, 11, or 12	Forensic Science	1	Full Year	Z8833; Z8243 (Honors)
10, 11, or 12	Anatomy & Physiology	1	Full Year	Z3203; Z3213 (Honors)
9, 10, or 11	Medical Terminology	1	Full Year	Z8180

Air Force JROTC

Program	9th Grade	10th Grade	11th Grade	12th Grade	Notes
Air Force JROTC	ROTC 1	ROTC 2	ROTC 3	ROTC 4	This program is offered at Central High School for all KISD high school students

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

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: Playwrighting Acting/Camera	Theatre Production III **OR** Theatre IV **AND** one additional credit below: Musical Theatre I Musical Theatre II Theatre III: Directing Theatre III: Playwrighting Acting/Camera

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 the 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/ NMSQTÂ®) 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 sponsoring 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 DIPLOMA 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.

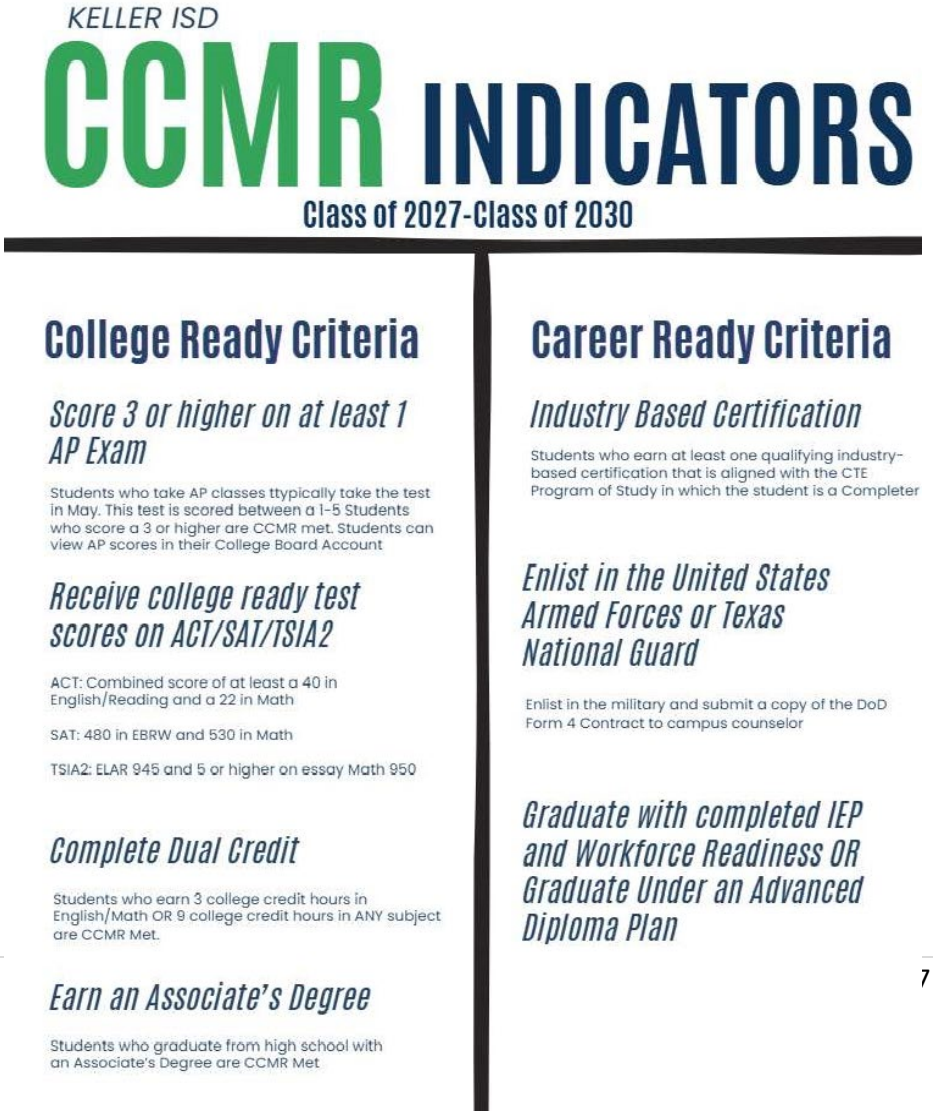
View additional information and requirements

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.



KELLER ISD

CCMR INDICATORS

Class of 2031 & Beyond

Foundational Postsecondary Readiness	Demonstrated Postsecondary Readiness	Advanced Postsecondary Readiness
Potential for college credit in any subject 1 AP passed exam with a 3 or higher 3 hours Dual Credit 3 hours OnRamps **OR** *Completer in an aligned program of study and Tier 3 IBC* **OR** *JROTC/NDCC completion and score of 31-49 on AFQT*	*ACT or SAT or TSIA 2 scores* **OR** *Completer in an aligned program of study and Tier 2 IBC* **OR** *JROTC/NDCC completion and score of 50-64 on AFQT* **OR** *Earned specific diploma plan and was Special Education at time of graduation* **OR** *Earned Workforce Readiness and IEP completion*	*Associate Degree* **OR** *ACT or SAT or TSIA 2 scores **AND** potential for college credit in any subject* 1 AP passed exam with a 3 or higher 3 hours Dual Credit 3 hours OnRamps **OR** *Completer in an aligned program of study and Tier 1 IBC* **OR** *Military Enlistment* **OR** *JROTC/NDCC completion and score of 65 or higher on AFQT*

COLLEGE PREPARATION AND TESTING INFORMATIONĠ

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 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/.

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 with 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

Reading 1
TEDS: 03270700 **KISD:** 1070
Credit: 1
Grade: 9

Incoming 9th grade students who did not achieve the "Approaches" standard on the 8th grade RLA STAAR Assessment will be scheduled into this course. This course is designed to support students in meeting individual goals within Reading Language Arts that are necessary for academic success, including meeting the English I EOC passing standard.

English I
TEDS: 03220100 **KISD:** 1003
Credit: 1 **Virtual:** Z1003
Grade: 9
Prerequisite: None

English I is designed to develop students as critical readers, writers, speakers, and thinkers through the Texas Essential Knowledge and Skills (TEKS) for English Language Arts and Reading. The TEKS emphasize the interconnected nature of listening, speaking, reading, writing, and thinking through seven integrated strands: foundational language skills, comprehension, response, multiple genres, author's purpose and craft, composition, and inquiry and research. Through these interconnected strands, students read and analyze increasingly complex literary, informational, argumentative, and multimodal texts; examine how authors use craft and structure to communicate meaning; compose texts for a variety of purposes and audiences; engage in the recursive writing process; and conduct inquiry and research. Students apply reading and writing skills together to deepen comprehension, develop and communicate ideas, and become increasingly independent and critical learners.

English I Honors

TEDS: 03220100 **KISD:** 1023
Credit: 1 **Virtual:** Z1023
Grade: 8-9
Prerequisite: None

In addition to the English I course expectations, students in English I Honors engage with increasingly complex literary and nonfiction texts and develop greater depth and independence in reading, writing, and analysis. Students give particular attention to writers' style, diction, syntax, argumentation, and logic while deepening their understanding of how written language functions rhetorically to communicate writers' intentions and elicit readers' responses in particular situations. Students apply this analysis to their own writing through increasingly sophisticated use of evidence, commentary, organization, style, and language. The increased complexity and depth of the course build a foundation for advanced English coursework such as AP Language, AP Literature, and Dual Enrollment.

English II

TEDS: 03220200 **KISD:** 1033
Credit: 1 **Virtual:** Z1033
Grade: 9-10
Prerequisite: English I

English II builds upon the skills developed in English I through the Texas Essential Knowledge and Skills (TEKS) for English Language Arts and Reading. The TEKS emphasize the interconnected nature of listening, speaking, reading, writing, and thinking through seven integrated strands: foundational language skills, comprehension, response, multiple genres, author's purpose and craft, composition, and inquiry and research. Through these interconnected strands, students analyze increasingly complex literary, informational, argumentative, and multimodal texts; examine how authors use literary, structural, and rhetorical choices to develop meaning; and apply their reading and analysis to their own composition. Students strengthen their ability to develop and support ideas with relevant textual evidence and original commentary, compose for varied purposes and audiences, and engage in recursive writing and inquiry and research.

English II Honors

TEDS: 03220200 **KISD:** 1053

Credit: 1 **Virtual:** Z1053

Grade: 9-10

Prerequisite: English I

In addition to the English II course expectations, students in English II Honors engage with increasingly complex literary and nonfiction texts and demonstrate greater depth, synthesis, and independence in reading, writing, and analysis. Students give particular attention to writers' style, diction, syntax, argumentation, and logic while deepening and expanding their understanding of how written language functions rhetorically to communicate writers' intentions and elicit readers' responses in particular situations. Students synthesize ideas within and across texts and apply their analysis to increasingly sophisticated compositions through purposeful use of evidence, commentary, organization, style, and language. The increased complexity and depth of the course prepare students for advanced English coursework such as AP Language, AP Literature, and Dual Enrollment.

English III

TEDS: 03220300 **KISD:** 1063

Credit: 1 **Virtual:** Z1063

Grade: 10-11

Prerequisite: English II

English III builds upon prior English coursework through the Texas Essential Knowledge and Skills (TEKS) for English Language Arts and Reading. The TEKS emphasize the interconnected nature of listening, speaking, reading, writing, and thinking through seven integrated strands: foundational language skills, comprehension, response, multiple genres, author's purpose and craft, composition, and inquiry and research. Through these interconnected strands, students engage with increasingly complex literary, informational, argumentative, and multimodal texts, including American literature across literary periods. Students analyze relationships among literary elements, historical and cultural contexts, authors' craft, rhetoric, and argument and apply this analysis to their own writing. Students compose analytical, informational, and argumentative texts, including literary and rhetorical analysis, and engage in sustained inquiry and research using credible

sources and ethical citation practices.

AP Language and Composition

TEDS: A3220100 **KISD:** 1083
Credit: 1
Grade: 10-12
Recommended prerequisite: English II Honors

AP English Language and Composition is an introductory college-level composition course that focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, students read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods. 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
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*

***While ENGL 1301 is a part of the Texas Core Curriculum and is required by nearly all public colleges and universities, American Literature (ENGL 2326) is generally not required for most college degree plans. Universities typically accept these literature courses for elective college credit.*

English IV

TEDS: 03220400 **KISD:** 1093
Credit: 1 **Virtual:** Z1093
Grade: 11-12
Prerequisite: English III

English IV builds upon prior English coursework through the Texas Essential Knowledge and Skills (TEKS) for English Language Arts and Reading. The TEKS emphasize the interconnected nature of listening, speaking, reading, writing, and thinking through seven integrated strands: foundational language skills, comprehension, response, multiple genres, author's purpose and craft, composition, and inquiry and research. Through these interconnected strands, students critically read increasingly complex literary, informational, argumentative, and multimodal texts, including British literature across literary periods. Building upon the analysis emphasized in previous English courses, students move toward critiquing and evaluating texts, authors' choices, arguments, and ideas, considering their effectiveness and impact on meaning and audiences. Students apply this deeper examination of texts and craft to their own writing and compose for a variety of authentic academic, professional, and personal purposes, including informational

and argumentative texts, literary and rhetorical analyses, resumes, personal essays, and professional correspondence, while engaging in sustained inquiry and research.

AP Literature and Composition

TEDS: A3220200 **KISD:** 1113
Credit: 1
Grade: 10-12
Prerequisite: English II Honors

The AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

Dual Enrollment English IV

TSU ENGL 1302-Composition 2/ENGL 2321 British Literature
TEDS: 03220400 **KISD:** 1104
Credit: 1
Grade: 11/12
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.*

***While ENGL 1302 is a part of the Texas Core Curriculum and is required by nearly all public colleges and universities, British Literature (ENGL 2321) is generally not required for most college degree plans. Universities typically accept these literature courses for elective college credit.*

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
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
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
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
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
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
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
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
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
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
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: 03380002/03380022 **KISD:** 1087
Credit: 1
Grade: 9-12
Prerequisite: English II

Interdisciplinary Perspectives and Inquiry" follows the AP Seminar framework. AP Seminar is the first course in the two-year AP Capstone™ experience. AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students learn to investigate a problem or issue, analyze arguments, compare different perspectives, synthesize information from multiple sources, and work alone and in a group to communicate their ideas. Students complete research-based written work and individual and team presentations as well as an end-of-course AP Exam. AP Seminar prepares students for AP Research,

the second course in the AP Capstone experience. *This course will count as the student's 21st century skill requirement for graduation.*

Advanced Research and Synthesis
TEDS: 03380003/03380023 **KISD:** 1097
Credit: 1
Grade: 9-12
Prerequisite: English II

Advanced Research and Synthesis follows the AP Research framework. AP Research is the second course in the two-year AP Capstone™ experience, with AP Seminar as a prerequisite. AP Research 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, students further the skills acquired in AP Seminar 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 and a presentation with an oral defense. To earn the AP Capstone Diploma™, students must earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing.

Debate I-III
TEDS: 03240600 I **KISD:** 1403
TEDS: 03240700 II **KISD:** 1413
TEDS: 03240800 III **KISD:** 1423
Credit: 1
Grade: 9-12
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
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
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
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
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
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.

English Language Development and Acquisition I
TEDS: 03200800 **KISD:** 1123
Credit: 1
Grade: 9-12
Prerequisite: Language proficiency test and/or LPAC recommendation
Designed for emergent bilingual students with beginning English proficiency, ELDA I develops foundational skills in listening, speaking, reading, and writing. Instruction emphasizes basic vocabulary, literacy, and social language through structured supports and scaffolded instruction. This course is taken alongside an English language arts course. **Placement in this course is based on LPAC recommendation.**

English Language Development and Acquisition II
TEDS: 03200810 **KISD:** 1223
Credit: 1
Grade: 9-12
Prerequisite: Language proficiency test and/or LPAC recommendation
Designed for emergent bilingual students with intermediate English proficiency, ELDA II builds academic language skills across listening, speaking, reading, and writing. Instruction focuses on expanding vocabulary, comprehension, and communication in academic contexts. This course is taken alongside an English language arts course. **Placement in this course is based on LPAC recommendation.**

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
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: 0.5
Grade: 9-12
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: 0.5
Grade: 9-12
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.

Contemporary Media
TEDS: 03241401 **KISD:** 1365
Credit: 1
Grade: 9-12
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

Quest 9
TEDS: 84100XXX **KISD:** 2113
Credit: 1
Grade: 9
Incoming 9th grade students who did not achieve the "Approaches" standard on the 8th grade Math STAAR Assessment will be scheduled into this course. This course is designed to support students in meeting individual goals within math that are necessary for academic success, including meeting the Algebra I EOC passing standard.

Algebra I
TEDS: 03100500 **KISD:** 2003
Credit: 1 **Virtual:** Z2003
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 **Virtual:** Z2013
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 **Virtual:** Z2424
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 **Virtual:** Z2213
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 **Virtual:** Z2223
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 **Virtual:** Z2043
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 **Virtual:** Z2033
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:** 2053
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.

Financial Math
TEDS: 13018000 **KISD:** 8414
Credit: 1
Grade: 10-12
Prerequisite: Algebra I
Financial Mathematics prepares students with practical skills to make confident, informed financial decisions now and in the future. Students use real-world mathematics to explore earning and managing income, taxes, budgeting, banking, credit, housing, vehicle costs, insurance, investing, and retirement planning. They also examine how education and career choices affect income, expenses, and long-term financial goals. Through relevant applications and technology, students develop the mathematical and financial skills needed to manage money effectively through adulthood.

Precalculus
TEDS: 03101100 **KISD:** 2303
Credit: 1 **Virtual:** Z2303
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 **Virtual:** Z2322
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.

Statistics
TEDS: 03102530 **KISD:** 2417
Credit: 1 **Virtual:** Z2417
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
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:** 2415
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.

Multivariable Calculus
TEDS: N1110018 **KISD:** 2464
Credit: 1 **Virtual:** Z2464
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.**

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. 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 **c**lass is taught at the Keller Center for Advanced Learning.

College Preparatory Math
TEDS: CP111228 **KISD:** 2376
Credit: 1
Grade: 12
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. 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

Prerequisite: Language proficiency test and/or LPAC recommendation
Enrollment is limited to Emergent Bilingual students indicated as English learners in 9^{th}-12^{th} 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
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
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
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
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 though 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
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
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 geo-matric 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
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

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

Credit: 1 **Virtual:** Z3003

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. Incoming 9^{th} grade students who did not achieve the "Approaches" standard on the 8^{th} grade Science STAAR Assessment will be scheduled into this course.

Biology
TEDS: 03010200 **KISD:** 3103
Credit: 1 **Virtual:** Z3103
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 **Virtual:** Z3113
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
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
Credit: 1 **Virtual:** Z3303
Grade: 9-12
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 **Virtual:** Z3313
Grade: 9-12
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.**

DE Chemistry
TSU College Chemistry I/Lab
TEDS: 03040000 **KISD:** 3315
Credit: 1
Grade: 11-12
Prerequisite: Algebra II credit or concurrently enrolled
In Dual Enrollment Chemistry students will learn fundamental principles of chemistry for majors in the sciences, health sciences, and engineering; topics include measurements, fundamental properties of matter, states of matter, chemical reactions, chemical stoichiometry, periodicity of elemental properties, atomic structure, chemical bonding, molecular structure, solutions, properties of gases, and an introduction to thermodynamics and descriptive chemistry.

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

Physics
TEDS: 03050000 **KISD:** 3403
Credit: 1 **Virtual:** Z3403
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 prerequisites: 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 prerequisites: 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 prerequisites: 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 prerequisites: 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
Credit: 1 **Virtual:** Z3513
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 **Virtual:** Z3503
Grade: 10-12
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: 10-12
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
Credit: 1 **Virtual:** Z3533
Grade: 10-12
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
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
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
Prerequisite: ARD decision

This course uses modified 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
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
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
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. 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.

SOCIAL STUDIES COURSES

World Geography
TEDS: 03320100 **KISD:** 4203
Credit: 1 **Virtual:** Z4203
Grade: 9
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 **Virtual:** Z4223
Grade: 9
Prerequisite: None
World Geography Honors addresses the Texas Essential Knowledge and Skills for World Geography Studies with greater depth and complexity. Students examine people, places, and environments at local, regional, national, and international scales, emphasizing the influence of geography on past and present events and contemporary issues. Students analyze physical processes, landforms, climates, ecosystems, settlement and population patterns, and the political, economic, and cultural characteristics of regions. Honors expectations emphasize deeper analysis of geographic relationships, evaluation of primary and secondary sources, and application of problem-solving and decision-making skills. Students communicate evidence-based conclusions through writing and discussion.

AP Human Geography
TEDS: A3360100 **KISD:** 4501
Credit: 1
Grade: 9-12
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
Credit: 1 **Virtual:** Z4103
Grade: 10
Prerequisite: None
World History Studies is a survey of the history of humankind, emphasizing significant people, events, and issues from the earliest times to the present. Students examine major developments in civilizations around the world and analyze how geography, government, economics, religion, philosophy, science, and technology have shaped history. Students investigate the causes and effects of imperialism and major political revolutions, the development of constitutional governments, and the historical origins of contemporary economic systems. Through historical inquiry, students research, interpret, and use evidence from primary and secondary sources to explain historical events and developments.

AP World History: Modern Course
TEDS: A3370100 **KISD:** 4123
Credit: 1
Grade: 10
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
Credit: 1 **Virtual:** Z4003
Grade: 11
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
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
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 **Virtual:** Z4301
Grade: 12
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
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
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 with Emphasis on the Free Enterprise System and Its Benefits
TEDS: 03310300 **KISD:** 4302
Credit: .5 **Virtual:** Z4302
Grade: 12
Prerequisite: None

Economics with Emphasis on the Free Enterprise System and Its Benefits focuses 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. Students apply critical-thinking skills using economic concepts to evaluate the costs and benefits of economic issues.

AP Macroeconomics
TEDS: A3310200 **KISD:** 4322
Credit: .5
Grade: 12
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
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.

**BUSI 1307 Personal Finance provides students with transferable college credit that is accepted by most colleges and universities as elective credit.*

AP Microeconomics
TEDS: A3310100 **KISD:** 4312
Credit: .5
Grade: 12
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 **Virtual:** Z4342
Grade: 11-12
Prerequisite: None

Personal Financial Literacy and Economics provides a foundation in both microeconomics and macroeconomics. Students will survey the impact of demand, supply, various industry structures, and government policies on the market for goods, services, and wages for workers. Macroeconomic study involves economic systems with an emphasis on free enterprise market systems, goals of full employment, price stability, and growth while examining problems such as unemployment and inflation and the policies enacted to address them. It is an integrative course that applies the same economic way of thinking developed to making choices about how to allocate scarce resources in an economy to how to make them at the personal level. The course requires that students demonstrate critical thinking by exploring how to invest in themselves with education and skill development, earn income, and budget for spending, saving, investing, and protecting. Students will examine their individual responsibility for managing their personal finances and understand the impact on standard of living and long-term financial well-being. Further, students will connect how their financial decision making impacts the greater economy.

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: 10-12
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
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: 10-12
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: American Indian/Native Studies
TEDS: N1130030 **KISD:**
Credit: 1
Grade: 10-12
Prerequisite: None

In Ethnic Studies: American Indian/Native Studies, an elective course, high school students learn about the history and living cultures of American Indians/Natives. This course is designed to assist students in understanding issues and events from American Indian/Native perspectives and should be presented in which each Native Nation is studied as a sovereign nation. This course is a survey course of Nations in Texas and the United States that develops an understanding of the roots of American Indian/Native cultures, especially as it pertains to social, economic, and political interactions within the broader context of North American history. It requires an analysis of important ideas, social and cultural values, beliefs, and traditions. Knowledge of how past events affect the present provides students of the 21st century with a broader context within which to address the complex experiences of American Indian/Native communities in the United States today.

Ethnic Studies: African American Studies
TEDS: 03380085 **KISD:** 4305
Credit: 1
Grade: 10-12
Prerequisite: None

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
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
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 from 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
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
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.

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
Prerequisite: Language Proficiency test and/or LPAC recommendation

Enrollment is limited to Emergent Bilingual students indicated as English learners in 9^{th}-12^{th} 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.

Basic World Geography
TEDS: 03220100 **KISD:** M4203
Credit: 1
Grade: 9
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
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
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
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: 03320100 **KISD:** T4203
Credit: 1
Grade: 9
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
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
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

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
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
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
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
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
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
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
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
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 with 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
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
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
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
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
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
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
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
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
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 **Virtual:** Z6013
Grade: 9-12
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 **Virtual:** Z6003
Grade: 9-12
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 **Virtual:** Z6033
Grade: 9-12
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 **Virtual:** Z6083
Grade: 9-12
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 **Virtual:** Z6043
Grade: 10-12
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: AP Spanish IV

AP Spanish V 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. AP Spanish V 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
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

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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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
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**: 79040
Credit: 1
Grade: 11-12
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
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
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
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
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
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
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
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
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
Prerequisite: Art I
Digital Media emphasizes the elements and principles of art through traditional art projects competed 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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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:PES00056II **KISD:** 50366
TEDS:PES00053III**KISD:** 50377
Credit: 1
Grade: 9-12
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.

KELLER ISD CTE
INNOVATE • COLLABORATE • EDUCATE

CAREER AND TECHNICAL EDUCATION (CTE)

kellerisd.net/cte

Career and Technical Education (CTE) is a dynamic educational pathway designed to prepare high school students for a successful future in a wide range of industries. Unlike traditional classroom learning, CTE integrates academic knowledge with practical, hands-on skills, enabling students to explore their passions, gain valuable industry-specific experience, and charting a course toward a fulfilling career. At Keller ISD, we are committed to providing an enriching CTE program that opens doors to endless opportunities for our students.

CTE encompasses a variety of courses and programs that focus on specific career fields such as healthcare, engineering, business, information technology, culinary arts, and many others. These courses are carefully designed to equip students with the skills, knowledge, and attitudes necessary to thrive in the workforce. Through a blend of classroom instruction, real-world projects, internships, and mentorships, CTE empowers students to make informed decisions about their future careers.

Opportunities Through CTE:

- Hands-On Learning
- Industry-Relevant Skills
- Certifications and Credentials
- Career Exploration
- College Credit Opportunities
- Professional Networks
- Internships and Work Based Learning

In Keller ISD CTE, we recognize the immense potential of our students and are dedicated to nurturing their talents through our comprehensive CTE program. By engaging in hands-on learning, gaining industry-specific skills, and exploring diverse career options, our students are well-prepared to embark on successful and fulfilling careers. We invite students to explore the world of opportunities available through CTE, guiding them toward a future filled with achievement and personal growth.

CTE Programs of Study

Business & Industry Endorsement

- Accounting & Financial Services
- Architectural Design
- Animation
- Automotive
- Business Management
- Construction Technology
- Culinary Arts
- Digital Communications
- Electrician
- HVAC Technician
- Graphic Design
- Interior Design
- Marketing
- Networking & Cybersecurity
- Plant Science/Floral Design
- Plumbing Technology
- Veterinary Studies
- Welding

Public Services Endorsement

- Cosmetology
- Health Science: Lab Tech
- 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

STEM Endorsement

- Networking & Cybersecurity
- Engineering
- Programming & Software Development

Military Ready

- Air Force JROTC

High School CTE Electives (Open to Any High School Student)

Credits	Course	Course Length	Course Number	Notes
0.5	Professional Communications	1 Semester	1465	21st Century Skill
1	Entrepreneurship	1 Semester	82533	21st Century Skill
1	Money Matters	Full Year	81600	
1	Floral Design	Full Year	81800	Fine Arts Credit
0.5	Lifetime Nutrition & Wellness	1 Semester	82101	
1	BIM 1 - Foundations of Business Communication	Full Year	81401	Certification Opportunity
0.5	Social Media Marketing	1 Semester	82505	Certification Opportunity
0.5	Sports & Entertainment Marketing	1 Semester	82504	
1	Counseling & Mental Health	Full Year	82102	
1	Anatomy & Physiology	Full Year	3203; 3204 (Honors)	Science Credit
1	Forensic Science	Full Year	82420; 82430 (Honors)	Science Credit

Virtual High School CTE Courses

Grade Level	Course	Credits	Course Length	Course Number
Any	Professional Communications	0.5	1 Semester	Z1465
Any	Entrepreneurship	1	1 Semester	Z82533
Any	Money Matters	1	Full Year	Z8160
10, 11, or 12	BIM 1 - Foundations of Business Communication	1	Full Year	Z8401
9, 10, or 11	Principles of Business, Marketing, & Finance	1	Full Year	Z8140
10, 11, or 12	Forensic Science	1	Full Year	Z8833; Z8243 (Honors)
10, 11, or 12	Anatomy & Physiology	1	Full Year	Z3203; Z3213 (Honors)
9, 10, or 11	Medical Terminology	1	Full Year	Z8180

Program of Study	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Veterinary Studies	**Principles of Agriculture, Food and Natural Resources** (1 credit)	**Veterinary Science** (1 credit)	**Advanced Animal Science/ Advanced Animal Science Honors or Dual Credit** (1 credit) **AND** **Scientific Research & Design: Veterinary Clinical Skills/Honors** (1 credit)	**Practicum in Agriculture, Food and Natural Resources (Veterinary)** (2 credits) **OR** **Practicum in Agriculture, Food and Natural Resources (Ag Barn)** (2 credits)	**Wildlife, Fisheries, and Ecology Management** (1 credit) **Small Animal Management** (.5 credit) **Equine Science** (.5 credit) **Agribusiness Mgmt. and Marketing** (1 credit) **Livestock and Poultry Production** (1 credit) **Introduction to Welding** (1 credit) **Career Prep** (2 credits)
Floral Design	**Principles of Agriculture, Food and Natural Resources** (1 credit)	**Floral Design** (1 credit)	**Advanced Floral Design** (1 credit)	**Practicum in Agriculture, Food and Natural Resources (Floral)** (2 credits) **OR** **Practicum in Agriculture, Food and Natural Resources (Ag Barn)** (2 credits)	**Horticultural Science** (1 credit) **Career Prep** (2 credits)

Optional electives **do not replace required pathway courses**

Industry Based Certification Opportunities	Additional Course Information
Certified Veterinary Assistant (CVA) Equine Specialist (iCEV) Elanco Veterinary Medical Applications (iCEV) Elanco Animal Science (iCEV) TSFA Level 1 Floral TSFA Knowledge Based Floral	Credits: Advanced Animal Science, Scientific Research & Design: Veterinary Clinical Skills can be used for science credit. Floral Design can be used for fine arts credit.
Career and Technical Student Organization (CTSO)	Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.
National FFA Organization	Location: Courses shaded in gray will be taught at the Keller Center for Advanced Learning.

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, but are not limited to, veterinary practices as they relate 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 both high school and college credit upon successful completion of the class. This is a college level class 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 or
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 with 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 predominantly in a lab setting learning skills such as blood work, diagnostics, sterilization of equipment, bandaging, and so on. Students should ideally take this course in 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 (Veterinary)
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. Students will have the opportunity to earn their Certified Veterinary Assistant (CVA) credentials and gain practical experience through an internship at a veterinary clinic. 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, but not limited to, veterinary clinics, farms and ranches, equine facilities, dog grooming, and boarding facilities.
Recommended Prerequisite: a minimum of three credits from the courses in the Agriculture, Food, and Natural Resources cluster.

Practicum in Agriculture, Food, and Natural Resources (Ag Center)
TEDS: 13002500 **KISD:** 81932
Credit: 2
Grade: 11-12
Prerequisite: 3 credits of agriculture courses
This course is recommended for students in Grades 11-12. In Barn Practicum, students gain supervised, hands-on experience in the daily operations and maintenance of the Agriscience Learning Center. Students will maintain the premises, clean and maintain animal pens, set up and tear down stalls and event spaces, and assist with the preparation and upkeep of facilities and equipment. Students will develop professional workplace skills while applying knowledge of animal care, facility management, safety, teamwork, and responsible stewardship in an agricultural setting.

Career Preparation
TEDS: 12701121 **KISD:** 82244
Credit: 2
Grade: 12
Prerequisite: 2 credits of courses in same Program of Study
This course is a work-based instructional arrangement, which develops essential knowledge and skills through classroom, technical knowledge and 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 assist with the development, promotion, and everyday functioning of 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: None

Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. Floral Design satisfies a fine

arts credit requirement for students on the Foundation High School Program.

Advanced Floral Design
TEDS: 13001850 **KISD:** 81811
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.
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.

Practicum in Agriculture - Floral Design
TEDS: 13002500 **KISD:** 81963
Credit: 2
Grade: 11-12
Prerequisite: Floral Design, Advanced Floral Design
This course is recommended for students in Grades 11-12. Practicum in Floral Design provides students with supervised, hands-on application of floral design knowledge and skills in a professional setting. Students will create arrangements for customers and events, receive and process flowers, install and remove event designs, process containers, and organize and store merchandise. Students will develop professional workplace skills, including customer service, teamwork, safety, and time management, while gaining practical experience in the floral industry.

Horticultural Science
TEDS: 13002000 **KISD:** 82801
Credit: 1
Grade: 10-12
Prerequisite: Principles of Agriculture, Food, and Natural Resources
This course is recommended for students in Grades 10-12. Prerequisites: at least one credit in a course from the Agriculture, Food, and Natural Resources Career Cluster. Recommended prerequisite: Principles of Agriculture, Food, and Natural Resources. Students develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. To prepare for careers in horticultural industry systems, students must attain academic knowledge and skills, acquire technical knowledge and skills related to horticulture and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

Program of Study	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Architectural Design	**Principles of Architecture** (1 credit)	**Architectural Design I** (1 credit)	**Architectural Design II** (2 credits)	**Practicum in Architectural Design** (2 credits)	**Interior Design I** (1 credit) **Interior Design II** (1 credit) **Career Prep** (2 credits)
Construction Technology	**Principles of Construction** (1 credit)	**Construction Technology I** (2 credits)	**Construction Technology II** (2 credits)	**Practicum in Construction Technology** (2 credits)	**Entrepreneurship** (1 credit but taught in 1 semester) **Career Prep** (2 credit)
HVAC (Heating, Ventilation and Air Conditioning)	**Principles of Construction** (1 credit)	**HVAC and Refrigeration Technology I** (1 credit) **AND** **Electrical Technology I** (1 credit)	**HVAC and Refrigeration Technology II** (2 credits)	**Practicum in Construction Technology** (2 credits)	**Entrepreneurship** (1 credit but taught in 1 semester) **Career Prep** (2 credits)
Plumbing Technology	**Principles of Construction** (1 credit)	**Plumbing Technology I** (1 credit) **AND** **Pipefitting Technology I** (1 credit)	**Plumbing Technology II** (2 credits)	**Practicum in Construction Technology** (2 credits)	**Introduction to Welding** (1 credit) **Entrepreneurship** (1 credit but taught in 1 semester) **Career Prep** (2 credits)
Electrical Technology	**Principles of Construction** (1 credit)	**Electrical Technology I** (1 credit)	**Electrical Technology II** (2 credits)	**Practicum in Construction Technology** (2 credits)	**Entrepreneurship** (1 credit but taught in 1 semester) **Career Prep** (2 credits)
Interior Design	**Principles of Architecture** (1 credit)	**Interior Design I** (1 credit)	**Interior Design II** (2 credits)	**Practicum in Interior Design** (2 credits)	**Architectural Design I** (1 credit) **Architectural Design** II (2 credits) **Career Prep** (2 credits)

Optional electives <u>do not</u> replace required pathway courses

Industry Based Certification Opportunities
Autodesk Revit Certified User (Architecture) NCCER Core (Construction) NCCER Electrical Level 1 NCCER HVACR EPA 608 (HVAC) Tradesman Plumber - Limited
Career and Technical Student Organization (CTSO)
TSA—Technology Student Association SkillsUSA FCCLA—Family Career & Community Leaders of America

Additional Course Information
Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply. Location: Courses shaded in gray will be taught at the Keller Center for Advanced Learning.

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 the 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 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 the integration of academic and technical knowledge and skills.

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 about 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 introduces students to the fundamentals of interior design and how designers create spaces that are both functional and visually appealing. Students explore color, design elements and principles, architectural and furniture styles, textiles, flooring, lighting, window treatments, space planning, and current design trends. Through hands-on projects, students learn to develop design concepts, create professional design boards, communicate ideas to clients, and make informed selections for residential spaces.

Interior Design II
TEDS: 13004400 **KISD:** 81203
Credit: 2
Grade: 11-12
Prerequisite: Interior Design I
Interior Design II builds on the skills learned in Interior Design I with a greater emphasis on space planning, technical design, and industry practices. Students use Autodesk Revit and other design tools to create floor plans, elevations, 3D models, and renderings while completing more advanced design projects. Students begin with detailed residential spaces, including

kitchens and bathrooms, and progress into commercial interior design, where they consider how the needs of users, accessibility, traffic flow, function, and building requirements influence larger public and professional spaces. Throughout the course, students consider client needs, materials, finishes, furnishings, and current industry trends as they develop increasingly detailed and professional design solutions. Students will have the opportunity to take the Autodesk Revit User Certification exam at the end of the course.

Practicum in Interior Design
TEDS: 13004800 **KISD:** 81212
Credit: 2
Grade: 11-12
Prerequisite: Interior Design II
Practicum in Interior Design is an advanced, career-focused course that gives students the opportunity to apply their design skills to realistic residential and commercial projects. Students work more independently through the complete design process, from client research and concept development to space planning, material selections, Revit drawings, renderings, and professional presentations. Projects may include residential, commercial, healthcare, hospitality, or other specialized design environments. When opportunities are available, students may participate in an internship with an industry professional, allowing them to gain firsthand experience in the interior design field.

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 on 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.

Career Preparation
TEDS: 12701121 **KISD:** 82244
Credit: 2
Grade: 12
Prerequisite: 2 credits of courses in same Program of Study
This course is a work-based instructional arrangement, which develops essential knowledge and skills through classroom, technical knowledge and 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.

Entrepreneurship
TEDS: 13011101 **KISD:** 82533
Credit: 1 **Virtual:** Z82533
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.

Program of Study	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Welding	**Introduction to Welding** (1 credit)	**Welding I** (2 credits)	**Welding II** (2 credits)	**Practicum in Manufacturing** (2 credits)	**Entrepreneurship** (1 credit but taught in 1 semester) **Career Prep** (2 credits)

Optional electives **do not replace required pathway courses**

Industry Based Certification Opportunities
AWS D1.1 Structural Steel Welding Level 1
Career and Technical Student Organization (CTSO)
National FFA Organization

Additional Course Information
Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply. Location: Courses shaded in gray will be taught at the Keller Center for Advanced Learning.

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 tools 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 provides 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 the 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

This course provides students with advanced, hands-on experience in welding, fabrication, and manufacturing. Students apply previously learned technical skills in a real-world, shop-based environment. Coursework includes interpreting fabrication drawings, job planning, material preparation, fit-up, welding, and quality control. Students work independently and in crews to complete authentic fabrication projects and shop responsibilities. Emphasis is placed on safety, craftsmanship, problem-solving, teamwork, leadership, and time management. Students develop the technical and employability skills needed for success in postsecondary education and the manufacturing workforce.

Career Preparation
TEDS: 12701121 **KISD:** 82244
Credit: 2
Grade: 12
Prerequisite: 2 credits of courses in same Program of Study

This course is a work-based instructional arrangement, which develops essential knowledge and skills through classroom, technical knowledge and 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.

Entrepreneurship
TEDS: 13011101 **KISD:** 82533
Credit: 1 **Virtual:** Z82533
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.

Program of Study	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Animation	**Principles of Arts, Audio/Video Technology and Communications** (1 credit) **OR** **Animation I** (1 credit)	**Animation I** (1 credit) **OR** **Animation II** (2 credits)	**Animation I** (1 credit) OR **Animation II** (2 credits) **Practicum in Animation** (2 credits)	**Choose 1 or more of the following courses:** **Animation II** (2 credits) **Practicum in Animation (I or II)** (2 credits)	**Commercial Photography I** (1 credit) **Graphic Design & Illustration I** (1 credit) **Graphic Design & Illustration II/Lab** (2 credits) **Entrepreneurship** (1 credit but taught in 1 semester)
Graphic Design	**Principles of Arts, Audio/Video Technology and Communications** (1 credit) **OR** **Graphic Design & Illustration I** (1 credit)	**Graphic Design & Illustration I** (1 credit) **OR** **Graphic Design & Illustration II** (2 credits)	**Animation I** (1 credit) OR **Graphic Design & Illustration/Lab II** (2 credits) **Practicum in Graphic Design and Illustration** (2 credits)	**Choose 1 or more of the following courses:** **Graphic Design & Illustration/Lab II** (2 credits) OR **Practicum in Graphic Design and Illustration (I or II)** (2 credits)	**Commercial Photography I** (1 credit) **Graphic Design & Illustration I** (1 credit) **Graphic Design & Illustration II** (I credit) **Entrepreneurship** (1 credit but taught in 1 semester)
Digital Communications	**Principles of Arts, Audio/Video Technology and Communications** (1 credit) **OR** **Audio / Video Production I** (1 credit)	**Audio / Video Production I** (1 credit) **OR** **Audio / Video Production II** (2 credits)	**Audio / Video Production II** (2 credits) **OR** **Practicum in Audio/Video Production** (2 credits)	**Practicum in Audio/Video Production** (2 credits) **OR** **Practicum in Audio/Video Production II** (2 credits)	**Commercial Photography I** (1 credit) **SR &D: UAV** (1 credit)

Optional electives **do not replace required pathway courses*

Industry Based Certification Opportunities
Adobe Premiere Pro (Audio/Video) Adobe InDesign (Graphic Design) Adobe Photoshop (Graphic Design/Commercial Photography) Adobe Illustrator (Graphic Design)
Career and Technical Student Organization (CTSO)
SkillsUSA TSA—Technology Student Association

Additional Course Information
Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply. Location: Courses shaded in gray will be taught at the Keller Center for Advanced Learning.

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.

Entrepreneurship
TEDS: 13011101 **KISD:** 82533
Credit: 1 **Virtual:** Z82533
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.

Scientific Research & Design: Introduction to Unmanned Aerial Vehicles
TEDS: 13037200 **KISD:** 82733
Credit: 1
Grade: 10-12
Prerequisite: None
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.

Program of Study	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Business Management	**Principles of Business, Marketing, and Finance** (1 credit)	**Foundations of Business Communication (BIM 1)** (1 credit) OR **Business Management** (1 credit)	**Choose 2 or more** **Foundations of Business Communication (BIM 1)** (1 credit) **Business Communication (BIM 2)** (1 credit) **Business Management** (1 credit) **Statistics and Business Decision Making** (1 credit)	**Choose 1 or more** **Practicum in Business Management** (2 credits) **Business Management** (1 credit) **Business Communication (BIM 2)** (1 credit) **Statistics and Business Decision Making** (1 credit)	**Entrepreneurship** (1 credit but taught in 1 semester) **Career Preparation I/Extended Career Prep** (3 Credits)
Accounting and Finance	**Principles of Business, Marketing, and Finance** (1 credit)	**Accounting I** (1 credit)	**Foundations of Business Communication (BIM 1)** (1 credit) **AND** **Accounting II Honors** (1 credit)	**Practicum in Business Management** (2 credits)	**Entrepreneurship** (1 credit but taught in 1 semester) **Money Matters** (1 credit) **Financial Math** (1 credit) **Career Preparation I/Extended Career Prep** (3 Credits)
Marketing	**Principles of Business, Marketing & Finance** (1 credit)	**Choose 2 or more:** **Advertising** (.5 credit) **Social Media Marketing** (.5 credit) **Sports & Entertainment Marketing** (.5 credit) **Fashion Marketing** (.5 credit)	**Advanced Marketing** (2 credits)	**Practicum in Marketing** (2 credits)	**Entrepreneurship** (1 credit but taught in 1 semester) **Statistics and Business Decision Making** (1 credit) **Career Preparation I/Extended Career Prep** (3 Credits)

Optional electives **do not replace required pathway courses**

Industry Based Certification Opportunities
Microsoft Office Specialist (MOS) Excel Expert Microsoft Office Specialist (MOS) Word Expert Microsoft Office Specialist (MOS) Access Expert Microsoft Office Specialist (MOS) 2016 Master NOCTI Accounting Foundations NOCTI General Management Stukent
Career and Technical Student Organization (CTSO)
BPA—Business Professionals of America DECA—Academic Marketing Association FBLA—Future Business Leaders of America

Additional Course Information
Credits: Accounting II Honors and Statistics and Business Decision Making can be used for math credit. Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.

Principles of Business, Marketing, and Finance
TEDS: 13011200 **KISD:** 81400
Credit: 1 **Virtual:** Z8140
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 (BIM I)
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 (BIM II)
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 in business decision-making. This course counts as a math credit.

Career Preparation I/Extended Career Preparation
TEDS: 12701141 **KISD:** 82003
Credit: 3
Grade: 12
Prerequisite: 2 credits of business 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.

Money Matters
TEDS: 13016200 **KISD:** 81600
Credit: 1 **Virtual:** Z8160
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.

Financial Math
TEDS: 13018000 **KISD:** 8414
Credit: 1
Grade: 10-12
Prerequisite: Algebra I
This course is recommended for students in Grades 10-12. Prerequisite: Algebra I. This course satisfies a high school mathematics graduation requirement. Students shall be awarded one credit for successful completion of this course. Financial Mathematics is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. Financial Mathematics will integrate career and postsecondary education planning into financial decision making.

Entrepreneurship
TEDS: 13011101 **KISD:** 82533
Credit: 1 **Virtual:** Z82533
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.

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 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.

Social Media Marketing
TEDS: 13034650 **KISD:** 82505
Credit: .5
Grade: 10-12
Prerequisite: Principles of Business, Marketing, and Finance
Social Media Marketing is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Students will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.

Advanced Marketing
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.

Program of Study	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Culinary Arts	**Introduction to Culinary Arts** (1 credit)	**Culinary Arts** (2 credits but taught in 1 period)	**Advanced Culinary Arts** (2 credits)	**Practicum in Culinary Arts** (2 credits)	**Entrepreneurship** (1 credit but taught in 1 semester) **Career Prep** (2 credits)

Optional electives **do not replace required pathway courses**

Industry Based Certification Opportunities
ServSafe Food Manager

Career and Technical Student Organization (CTSO)
FCCLA—Family Career & Community Leaders of America National High School Barbecue Team

Additional Course Information
Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply. Location: Courses shaded in gray will be taught at the Keller Center for Advanced Learning.

Introduction to Culinary Arts
TEDS: 13022550 **KISD:** 81901
Credit: 1
Grade: 9-12
Prerequisite: None
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.

Career Preparation
TEDS: 12701121 **KISD:** 82244
Credit: 2
Grade: 12
Prerequisite: 2 credits of culinary 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.

Entrepreneurship
TEDS: 13011101 **KISD:** 82533
Credit: 1 **Virtual:** Z82533
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.

Program of Study	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Networking & Cybersecurity	**Principles of Information Technology** (1 credit)	**Networking** (1 credit)	**Digital Forensics** (1 credit) Prerequisite: Networking **AND** **Cybersecurity Capstone** (1 credit)	**Practicum in IT: Networking & Cybersecurity** (2 credits) **OR** **Practicum in IT: Internships** (2 credits)	**Computer Maintenance** (1 credit) **Computer Science 1 Honors** (1 credit) **AP Computer Science** (1 credit) **Career Prep** (2 credits)

Optional electives **do not replace required pathway courses**

Industry Based Certification Opportunities
NOCTI Cybersecurity Fundamentals Comp Tia IT Fundamentals Comp Tia Network + Comp Tia Security +
Career and Technical Student Organization (CTSO)
SkillsUSA

Additional Course Information
Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply. Location: Courses shaded in gray will be taught at the Keller Center for Advanced Learning.

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: 03580855 **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 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. Placement is competitive, and opportunities are available on a first-come, first-served basis for each school year.

Career Preparation I
TEDS: 12701121 **KISD:** 82244
Credit: 2
Grade: 12
Prerequisite: 2 credits of courses in same Program of Study
This course is a work-based instructional arrangement, which develops essential knowledge and skills through classroom, technical knowledge and 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.

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. 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 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.

Program of Study	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Automotive	**Automotive Basics** (1 credit)	**Automotive Technology I: Maintenance and Light Repair** (2 credits)	**Automotive Technology II: Automotive Service** (2 credits)	**Practicum in Transportation Systems** (2 credits)	**Career Prep** (2 Credits)

Optional electives **do not replace required pathway courses**

Industry Based Certification Opportunities
ASE Student Certifications
Career and Technical Student Organization (CTSO)
Automotive Technology Club SkillsUSA

Additional Course Information
Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply. Location: Courses shaded in gray will be taught at the Keller Center for Advanced Learning.

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: Maintenance and Light Repair
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: Automotive Service
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 application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories. The Practicum can be either school lab-based or work-based.

Career Preparation
TEDS: 12701121 **KISD:** 82244
Credit: 2
Grade: 12
Prerequisite: 2 credits of automotive 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 in order for students to qualify for enrollment in this program.

Program of Study	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Teaching and Training	**Principles of Education and Training** (1 credit)	**Child Development** (1 credit)	**Instructional Practices** (2 credits) **Instructional Practices Dual Credit/EDUC 1301** (2 credits)	**Practicum in Education & Training** (2 credits) **Practicum in Education & Training Dual Credit/EDUC 2301** (2 credits)	**Career Prep** (2 Credits)

Optional electives **do not replace required pathway courses**

Industry Based Certification Opportunities	Additional Course Information
Educational Aide I	Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.
Career and Technical Student Organization (CTSO)	
FCCLA—Family Career & Community Leaders of America TAFE—Texas Association of Future Educators	

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.

Instructional Practices/EDUC 1301 (Dual Enrollment Tarleton Today)
TEDS: 13014400 **KISD:** 81522
Credit: 2
Grade: 11-12
Prerequisite: Child Development
This course allows students to earn 3 hours of college credit through Tarleton State University. This course is structured so that high school students receive the rigor of college courses while also meeting requirements for their high school course. An introduction and analysis of the culture of schooling and classrooms. Students will examine teaching as a profession through directed experiences.

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.

Practicum in Education and Training/EDUC 2301 (Dual Enrollment Tarleton Today)
TEDS: 13014500 **KISD:** 81544
Credit: 2
Grade: 12
Prerequisite: Instructional Practices
This course allows students to earn 3 hours of college credit through Tarleton State University. The course is an enriched, integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspectives of language, gender, socioeconomic status, ethnic and academic diversity, and equity with an emphasis on factors that facilitate learning. The course provides students with opportunities to participate in early field observations of P- 118 12 special populations and should be aligned as applicable with State

Board for Educator Certification Pedagogy and Professional Responsibilities standards. Must include a minimum of 16 contact hours of field experience in P-12 classrooms with special populations.

Program of Study	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Health Science: Lab Tech	**Medical Terminology** (1 credit)	**Health Science Theory** (1 credit)	**Anatomy and Physiology or Anatomy and Physiology Honors** (1 credit) **AND** **Medical Microbiology or Medical Microbiology Honors** (1 credit)	**Practicum in Health Science: Lab Tech** (2 credits) **OR** **Practicum in Health Science: PCT** (2 credits) **OR** **Practicum in Health Science: CMA** (2 credits)	**Pathophysiology or Pathophysiology Honors** (1 credit) **Pharmacology** (1 credit)
Health Science: Clinical Rotations	**Medical Terminology** (1 credit)	**Health Science Theory** (1 credit)	**Anatomy and Physiology or Anatomy and Physiology Honors** (1 credit) **AND** **Practicum in Health Science I: Clinical Rotations** (2 Credits)	**Practicum in Health Science: PCT** (2 credits) **OR** **Practicum in Health Science: CMA** (2 credits)	**Medical Microbiology or Medical Microbiology Honors** (1 credit) **Pathophysiology or Pathophysiology Honors** (1 credit) **Pharmacology** (1 credit)
Health Science: Certified Nursing Assistant (CNA)	**Medical Terminology** (1 credit)	**Health Science Theory** (1 credit)	**Anatomy and Physiology or Anatomy and Physiology Honors** (1 credit) **AND** **Practicum in Health Science I: CNA** (2 credits)	**Practicum in Health Science: PCT** (2 credits) **OR** **Practicum in Health Science: CMA** (2 credits)	**Medical Microbiology or Medical Microbiology Honors** (1 credit) **Pathophysiology or Pathophysiology Honors** (1 credit) **Pharmacology** (1 credit)
Health Science: Emergency Medical Technician (EMT)	**Medical Terminology** (1 credit)	**Health Science Theory** (1 credit)	**Anatomy and Physiology or Anatomy and Physiology Honors** (1 credit) **AND** **Pathophysiology or Pathophysiology Honors** (1 credit)	**Practicum in Health Science: EMT** (2 credits) **OR** **Practicum in Health Science: PCT** (2 credits) **OR** **Practicum in Health Science: CMA** (2 credits)	**Medical Microbiology or Medical Microbiology Honors** (1 credit) **Pharmacology** (1 credit)

Health Science: Pharmacy	**Medical Terminology** (1 credit)	**Health Science Theory** (1 credit)	**Anatomy and Physiology or Anatomy and Physiology Honors** (1 credit) **AND** **Pharmacology** (1 credit)	**Practicum in Health Science: Pharmacy** (2 credits) **OR** **Practicum in Health Science: PCT** (2 credits) **OR** **Practicum in Health Science: CMA** (2 credits)	**Medical Microbiology or Medical Microbiology Honors** (1 credit) **Pathophysiology or Pathophysiology Honors** (1 credit)
Health Science: Exercise Science and Sports Medicine	**Medical Terminology** (1 credit)	**Health Science Theory** (1 credit) **AND** **Kinesiology I** (1 credit)	**Anatomy and Physiology or Anatomy and Physiology Honors** (1 credit) **AND** **Kinesiology II** (1 credit)	**Practicum in Health Science I: Sports Medicine** (2 credits) **OR** **Practicum in Health Science: PCT** (2 credits) **OR** **Practicum in Health Science: CMA** (2 credits)	**Medical Microbiology or Medical Microbiology Honors** (1 credit) **Pathophysiology or Pathophysiology Honors** (1 credit) **Pharmacology** (1 credit)

Industry Based Certification Opportunities
Certified Nursing Aide
Certified Patient Care Technician
Emergency Medical Technician
Certified Pharmacy Technician
Certified Medical Assistant
Certified Personal Trainer
Certified EKG Technician
Certified Phlebotomist
Career and Technical Student Organization (CTSO)
HOSA—Health Occupation Students of America

Additional Course Information
Credits: Anatomy & Physiology, Medical Microbiology, Pathophysiology can be used as a science credit. Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply. Location: Courses shaded in gray will be taught at the Keller Center for Advanced Learning.

Medical Terminology
TEDS: 13020300 **KISD:** 81801
Credit: 1 **Virtual:** Z8180
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 become familiar with industry-based standards for documenting and maintaining medical information; research industry employment requirements, including education, certification, and licensing requirements; and evaluate ethical and legal responsibilities of health science professionals. Students will employ hands-on experiences for continued clinical knowledge and skill development.

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
The Medical Microbiology course is designed to explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug-resistant organisms, and emerging diseases. 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 requirements 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: Lab Tech
TEDS: 13020500 I **KISD:** 81850
TEDS: 13020510 II **KISD:** 82850
Credit: 2
Grade: 11-12
Prerequisite: Medical Microbiology
Lab Techs are healthcare professionals who can be found working both on the frontlines and behind the scenes. Lab Techs 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 and more.

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 course is designed to provide high school students with an opportunity to observe healthcare professionals in a variety of hospitals and clinical settings. The course is designed to provide high school students with a variety of observational experiences in hospitals and clinical settings while also providing opportunities to develop workplace skills on campus. Students will observe healthcare professionals in various clinical environments and gain insight into healthcare careers. On campus, students will develop essential employability skills and receive instruction and preparation for the EKG Technician certification.

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 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
PCTs are on the front line of patient care and assist patients with achieving Activities of Daily Living. PCTs assist Registered Nurses and Doctors in providing basic patient-care tasks such as dressing changes, vital signs, ambulation, EKGs, removing IVs and collecting lab samples. Patient Care Technicians are key to patients' success throughout their healthcare experience.

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. Students will have the opportunity to sit for the Medical Assistant Certification Exam offered by the National Healthcareer Association.

Practicum in Health Science: Emergency Medical Technician (EMT)
TEDS: 13020500 I **KISD:** 81815
TEDS: 13020510 II **KISD:** 82842
Credit: 2
Grade: 12
Prerequisite: Health Science Theory; Pathophysiology (can be taken concurrently with EMT Practicum)
In the Emergency Medical Technician 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 knowledge and skills training to prepare for 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. 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: 12
Prerequisite: Pharmacology
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: 10-12
Prerequisite: Kinesiology I
Kinesiology II is designed to integrate key aspects of exercise science while building upon the foundational knowledge and skills developed in Medical Terminology and Kinesiology I. The course incorporates hands-on activities that allow students to apply their learning and gain a deeper understanding of key concepts. Students explore nutrition, food, and wellness while

developing knowledge and skills aligned with an entry-level industry-based certification. In addition, students are introduced to physical therapy concepts and skills aligned with the Physical Therapy Technician for an industry-based certification. This course prepares students to advance into the Health Science Practicum, where they can further apply their knowledge and skills in clinical and professional settings.

Practicum in Health Science: Sports Medicine
TEDS: 13020500 I **KISD:** 81817
TEDS: 13020510 II **KISD:** 81827
Credit: 2
Grade: 12
Prerequisite: Kinesiology II
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.

Program of Study	9th Grade	10th Grade	11th Grade	12th Grade
Cosmetology	**N/A**	**Professional Communications** (.5 credit) **AND Entrepreneurship**	**Cosmetology I/Cosmetology I Lab** (3 credits)	**Cosmetology II** (2 credits) **AND** **Practicum in Entrepreneurship** (2 credits)

Industry Based Certification Opportunities
TDLR—Texas Department of License and Regulation Cosmetology License

Career and Technical Student Organization (CTSO)
SkillsUSA

Additional Course Information
Fees Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply. Location: Courses shaded in gray will be taught at the Keller Center for A dvanced Learning.

Cosmetology- 4 Year Plan								
Freshman	English I	Algebra I	Biology	World Geography	Language Level 1	Fine Art	Elective	Elective
Sophomore	English II	Geometry	IPC, Physics, Chemistry	World History	Language Level 2	PE	Professional Communications/ Entrepreneurship	Elective
Junior	English III	Algebra II	Advanced 3rd Science	U.S. History	Elective	Cosmetology I	Cosmetology I	Cosmetology I
Senior	Advanced English Course	Algebra II or Advanced 4th Math	Advanced 4th Science	Government / Economics	Cosmetology II	Cosmetology II	Practicum in Entrepreneurship	Practicum in Entrepreneurship
In order to be eligible for the Cosmetology program of study, it is suggested that you have an intentional four-year plan. Above you will find the recommended sequence for high school graduation and completion of the cosmetology program.								

Professional Communications
TEDS: 13009900 **KISD:** 1465
Credit: .5 **Virtual:** Z1465
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.

Entrepreneurship
TEDS: 13011101 **KISD:** 82533
Credit: 1 **Virtual:** Z82533
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.

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: 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.

Program of Study	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Legal Studies	**Principles of Law, Public Safety, Corrections, and Security** (1 credit)	**Court Systems and Practices** (1 credit)	**Advanced Legal Skills and Professions** (1 credit)	**Practicum in Law, Public Safety, Corrections, and Security: Legal** (2 credits)	**Forensic Science** (1 credit)
Law Enforcement: Police	**Principles of Law, Public Safety, Corrections, and Security** (1 credit)	**Law Enforcement I** (1 credit)	**Forensic Science** (1 credit) AND **Law Enforcement 2** (1 credit)	**Practicum in Law, Public Safety, Corrections, and Security: Law** (2 credits)	**Counseling & Mental Health** **Career Prep 1**

Industry Based Certification Opportunities
Non-commissioned Security Officer 2
IAED Emergency Telecommunicator
Career and Technical Student Organization (CTSO)
SkillsUSA

Additional Course Information
Credits: Forensic Science can be used as a science credit. Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply. Location: Courses shaded in gray will be taught at the Keller Center for Advanced Learning.

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.

Law Enforcement II
TEDS: 13029400 **KISD:** 82412
Credit: 2
Grade: 11-12
Prerequisite: Principles of Law, Public Safety, Corrections, and Security, Law Enforcement I
Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. Students will understand ethical and legal responsibilities, patrol procedures, first responder roles, telecommunications, emergency equipment operations, and courtroom testimony.

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. 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.

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.

Practicum in Law, Public Safety, Corrections and Security
TEDS: 13030100 **Legal Studies KISD:** 82461
Credit: 2 **Law Enforcement KISD:** 82462
Grade: 12
Prerequisite: 3 credits in the law program
This Practicum is a senior-level capstone course designed for students who have completed advanced coursework in the Law and Legal Studies pathway and are ready to apply their knowledge through real-world and career-focused experiences. This course bridges classroom instruction with practical applications in the profession. 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.

Program of Study	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Programming and Software Development	**Computer Science I Honors** (1 credit)	**AP Computer Science** (2 credits but taught in 1 period)	**Computer Science II: Python Programming** **AND/OR** **Video Game Design I** (2 credits)	**Video Game Design II** (2 credits) **OR** **Practicum in IT: Internships** (2 credits)	**Principles of Information Technology** (1 Credit) **Entrepreneurship** (1 credit but taught in 1 semester) **Career Prep** (2 Credits)

Industry Based Certification Opportunities
Information Technology Specialist Java Certified Entry-Level Python Programmer (PCEP)
Career and Technical Student Organization (CTSO)
SkillsUSA

Additional Course Information
Credits: AP Computer Science can be used for math and LOTE credit. Computer Science I Honors, Computer Science II, and Computer Science III can be used for LOTE credit. Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply. Location: Courses shaded in gray will be taught at the Keller Center for Advanced Learning.

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 study 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 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: 03580200 **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.

Video Game Design I (Practicum)
TEDS: 13011111 **KISD:** 82465
Credit: 2
Grade: 11-12
Prerequisite: AP Computer Science
This advanced computer science course explores video game design using Unreal Engine, a leading industry tool. Students will apply creativity, innovation, and problem-solving to design, develop, and present meaningful game projects while collaborating with peers and instructors to address complex challenges. Through hands-on experiences, students will deepen their understanding of advanced computer science concepts, including game mechanics, interactive storytelling, data structures, and technology operations. The course also emphasizes digital citizenship, including the ethical use of technology and adherence to current laws and regulations. Students will build skills that prepare them for further study and careers in game design, software development, and related technology fields. This course receives Advanced Placement (AP) weight in GPA calculations.

Video Game Design II (Practicum)
TEDS: 13028010 **KISD:** 82466
Credit: 2
Grade: 12
Prerequisite: Video Game Design I
This capstone course gives students the opportunity to bring together and apply the knowledge and skills developed throughout their computer science experience. Over the course of the year, students will design, develop, test, and refine one substantial video game project that serves as an expression of their creativity, technical skills, and understanding of computer science. Students will experience the full development process while strengthening their programming, problem-solving, computational thinking, project management, and communication skills. Using industry-standard tools and practices, students will overcome technical challenges, adapt their ideas, and bring their projects from concept to completion. The finished project will demonstrate their growth and provide a foundation for continued study and careers in software development, game design, and related technology fields.

Practicum in Information Technology: Internships
TEDS: 13028000 **KISD:** 82368
Credit: 2
Grade: 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.

Program of Study	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Engineering	**Engineering Design Process** (1 credit)	**Engineering Science** (1 credit)	**Aerospace Engineering** (1 credit) **Digital Electronics Honors** (1 credit) **Civil Engineering (Design and Presentation II)** (2 credits but taught in 1 period) **Robotics I** (1 credit) **Scientific Research & Design: Introduction to Unmanned Aerial Vehicles** (1 credit) **Computer Integrated Manufacturing** (1 credit)	**Practicum in Engineering (Mobile Classroom)** (2 credits) **Practicum in Engineering (Internships)** (2 credits) **Practicum in Engineering (Electric Vehicles)** (2 credits) **Engineering Design and Problem-Solving Honors** (1 credit) **Robotics 2** (1 credit)	**Career Prep** (2 credits)

Industry Based Certifications		Additional Course Information
FAA Part 107 Remote Drone Pilot NOCTI Engineering Technology Foundations		Credits: Digital Electronics and Robotics II can be used as math credits. Engineering Science, Scientific R&D: Unmanned Aerial Vehicles, and Engineering Design & Problem Solving can be used as science credits. Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply. Location: Courses shaded in gray will be taught at the Keller Center for Advanced Learning.
Career and Technical Student Organization (CTSO)		

KCAL Robotics (Local Chapter)-VEX, BEST, FIRST
TSA
Bell Robotics Challenge
Electric Vehicle Racing Team
WIT (Workforce Industry Training

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
TEDS: 12756040 **KISD:** 82665
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. Students will use mathematical processes to acquire and demonstrate mathematical understanding. Students will learn and contribute productively as an individual and as a member of a project team. 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: 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
Credit: 2
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)
Credits: 2
Grade: 12
Prerequisite: 3 credits in the engineering program
This year-long practicum offers students 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.

Air Force JROTC					
Program	**9th Grade**	**10th Grade**	**11th Grade**	**12th Grade**	**Notes**
Air Force JROTC	**ROTC 1**	**ROTC 2**	**ROTC 3**	**ROTC 4**	This program is offered at Central High School for all KISD high school students

ROTC I
TEDS: 03160100/PES00004 **KISD:** 80403/50403
Credit: 1
Grade: 9-12
Prerequisite: None
This course is designed for students enrolled in Air Force (AFJROTC), Army (AJROTC), Coast Guard (CGJROTC), Marine Corps (MCJROTC), Navy (NJROTC), and Space Force (SFJROTC) programs. JROTC I may count as PE credit. JROTC I focuses on Milestones in Aviation and Introduction to Leadership.

ROTC II
TEDS: 03160200 **KISD:** 81533
Credit: 1
Grade: 9-12
Prerequisite: ROTC I
This course is designed for students enrolled in Air Force (AFJROTC), Army (AJROTC), Coast Guard (CGJROTC), Marine Corps (MCJROTC), Navy (NJROTC), and Space Force (SFJROTC) programs. JROTC II covers the Science of Flight, World Cultures, and Communication and Awareness in Leadership

ROTC III
TEDS: 03160300 **KISD:** 81633
Credit: 1
Grade: 9-12
Prerequisite: ROTC II
This course is designed for students enrolled in Air Force (AFJROTC), Army (AJROTC), Coast Guard (CGJROTC), Marine Corps (MCJROTC), Navy (NJROTC), and Space Force (SFJROTC) programs. JROTC III is all about exploring Space and Leadership Life Skills and Career Opportunities.

ROTC IV
TEDS: 03160400 **KISD:** 81733
Credit: 1
Grade: 9-12
Prerequisite: ROTC III
This course is designed for students enrolled in Air Force (AFJROTC), Army (AJROTC), Coast Guard (CGJROTC), Marine Corps (MCJROTC), Navy (NJROTC), and Space Force (SFJROTC) programs. JROTC IV covers the principles of management

AVID COURSES

AVID I
TEDS: N1290001 **KISD:** 5762
Credit: 1
Grade: 9-12
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
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
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
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
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

Methodology for Academic and Personal Success (MAPS)

TEDS: N1130021 I KISD: M8301

TEDS: 85000XXX KISD: M8302

TEDS: 85000XXX KISD: M8305

TEDS: 85000XXX 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 though 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 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 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
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.

AGRICULTURE				
Dual Advanced Animal Science	HS Campus	1	Weatherford College	AGRI 1419 Animal Science
AVIATION MAINTENANCE TECHNOLOGY: AIRFRAME-AVIA.D002.UG				
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
PROFESSIONAL_PILOT-ATPP.D004.UG				
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

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:

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

Keller Collegiate Academy - Associate of Science Credit Check		
Student Name:	**Keller Student ID:**	**TCC Student ID:**

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 Blk)	MATH 2413	
	English IV B	ENGL 2333			Calculus II (Dbl Blk)	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	
					SCIRD II A	CHEM 1411	
					SCIRD II B	CHEM 1412	
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		
					AVID III A		
Speech (0.5)	Professional Communications	SPCH 1321			AVID III B		
Phys. Ed. (1.0)	HS PE A,B	KINE 1164			AVID IV A		
					AVID IV B		
Fine Arts (1.0)	HS Art A,B	ARTS 1301		MISC	Certification		Obtained
					PCT		☐
Electives (5.5)	General Psych	PSYC 2301			MED ASST		☐
	HS Med Term				Programs		
	Dual Med Term	HPRS 1206			SPED		☐
	HS Hlth Sc Theory A				LPAC		☐
	HS Hlth Sc Theory B				G/T		☐
	SPTSS	GOVT 2306			AVID		☐
	Practicum in HST (PCT) A (1 credit)				TESTS		
	Practicum in HST (PCT) B (1 credit)				TSIA2		☐
	Practicum in HST II (MED ASST) A (1.5 credits)				SAT/ACT		☐
	Practicum in HST II (MED ASST) B (1.5 credits)				PSAT		☐

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: 03100600 **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: 03102501/03102502 **KISD:** 2322PA/2322PB
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 studies, 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: 7543**PD
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:** 5041PD
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.