ABILENE INDEPENDENT SCHOOL DISTRICT

COLLEGE AND CAREER

PLANNING GUIDE

2017-2018

ABILENE INDEPENDENT SCHOOL DISTRICT
2017-2018

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2800 North 6th
Abilene, Texas 79603
(325) 677-1731

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COOPER HIGH SCHOOL
3639 Sayles
Abilene, Texas 79605
(325) 691-1000

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WOODSON CENTER FOR EXCELLENCE
342 Cockerell
Abilene, Texas 79601
(325) 671-4736

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ACADEMY OF TECHNOLOGY, ENGINEERING, MATH & SCIENCE (ATEMS)
650 E. Highway 80
Abilene, Texas 79601
(325) 794-4140

Dr. Ketta Garduno	Principal
Cecilia Castillo	Career Counselor

HOLLAND MEDICAL HIGH SCHOOL
2442 Cedar
Abilene, Texas 79601
(325) 794-4120

Lyndsey Williamson	Principal

Abilene Independent School District

GOALS

- Abilene ISD will develop a strong literacy and numeracy foundation for every student.
- Abilene ISD will advance character development by nurturing habits of mind and ethical, principle-based leadership.
- Abilene ISD will prepare all students for success in college and the workforce.
- Abilene ISD will fully integrate student-led technology and develop innovative learning environments and facilities for the purpose of high student engagement, safety and academic success.
- Abilene ISD will secure high quality, effective staff who embrace diversity, are reflective of and responsive to the district's student body, utilize best practices and understand the importance of student engagement, rigorous and relevant learning environments and the significance of connecting with students to foster a desire to learn.

It is the policy of the Abilene Independent School District not to discriminate on the basis of race, color, national origin, age, sex, or disability in its educational and career and technical education programs, services, activities or employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Admission to these programs is based on grade placement, aptitude and interest.

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GENERAL INFORMATION

CLASSIFICATION

Classification is determined at the beginning of each school year based on the number of credits the student has earned by that time. Students, grades 9-12, will be classified on the following basis:

Credits Earned	Classification of Student
Promoted from grade 8	Grade 9 (Freshman)
6 (must include Algebra I and English I)	Grade 10 (Sophomore)
12	Grade 11 (Junior)
18	Grade 12 (Senior)

COURSE LIMITATIONS

Some courses listed in this guide may not work with some students' schedules due to availability, scheduling conflicts, or cancellations resulting from limited enrollment; therefore, students should always plan for alternative courses in case their first choices are unavailable.

Courses listed in the College and Career Planning Guide in the year which the student enters the 9th grade may or may not be offered in subsequent years, and additional courses may be added in subsequent years. Courses may be offered but will not be scheduled unless enrollment is sufficient to do so. New courses may be added by the Texas Education Agency and the State Board of Education or by local decision at any time.

Graduation requirements with Endorsements are established by the State Board of Education and Legislature. Starting with the freshman class of 2014-15, a new Foundation Plan will be implemented. Students who started high school before 2014-15 may opt to switch to this plan or complete their current plans.

COURSES

Students should be enrolled in 7 classes per semester. Students enrolled in Career Preparation or a Practicum course must take a minimum of 5 classes a day. A senior who is not on the Recommended or Distinguished Graduation Achievement plan, or the Foundation Plan with an endorsement and/or has not passed state assessments for graduation must be enrolled in seven (7) instructional classes per semester and will not be eligible for a reserve period.

To compete in UIL-sanctioned activities, students must be enrolled in school for a minimum of 5 credit bearing periods a day.

When registering for classes, please note that AISD will offer transportation between Abilene High and Cooper High, when possible, to accommodate students desiring to take courses not offered at their home campus.

HIGH SCHOOL COURSES OFFERED IN MIDDLE SCHOOL

Students who satisfactorily complete Algebra I, Geometry, Pre-AP Art I (full year) and/or Spanish I in middle school will receive the state required graduation credit(s) for grades 9-12.

Students who satisfactorily complete Principles of Manufacturing, Business Information Management, Gateway, Communication Applications, or Health in middle school will receive state graduation elective credit for these courses.

High school courses taken in middle school are not used in high school GPA calculations.

CREDITS

Students may earn credit in summer school immediately following promotion from the 7th grade.

Students are required to obtain approval in advance from the principal or appointed designee in order to take a distance learning course.

Students enrolled in grades 9-12 may be awarded credit toward high school graduation for completing college-level courses. Such courses shall be provided only by institutions of higher education that are accredited by one of the following accrediting agencies:

- Southern Association of Colleges and Schools
- Middle States Association of Colleges and Schools
- New England Association of Schools and Colleges
- North Central Association of Colleges and Schools
- Western Association of Schools and Colleges
- Northwest Association of Schools and Colleges

To be eligible to enroll and be awarded credit toward state graduation requirements, a student should enroll in district approved dual credit course(s).

STATE ASSESSMENTS

To graduate from high school in the state of Texas, students must have satisfactory performance on the five State of Texas Assessments of Academic Readiness (STAAR) End-of-Course Assessments for the following: English I, English II, Algebra I, Biology and U.S. History.

NINTH GRADE ACADEMY

To assist ninth grade students with the transition from middle school to high school Abilene Independent School District created the **Ninth Grade Academies** at Abilene and Cooper High Schools. Emphasis is placed on the development of the whole student – academics, extracurricular, and building positive relationships. Students are scheduled with a team of core area teachers similar to the schedule at middle school, and the academy classes are located in specially designated areas on each campus. The Academies have staff to serve ninth grade students only. The core team of teachers is available for conferencing with parents and students. Since the pilot Academy began in 2005-06, the number of ninth graders failing core classes has decreased, attendance has improved, and more students have advanced to tenth grade.

STUDENTS TRANSFERRING TO ABILENE ISD

The following guidelines apply to the evaluation of the transcripts of students transferring to the Abilene Independent School District:

- No credit will be given for office aide and Driver's Education.
- Units of credit granted by high schools accredited by the Texas Education Agency, Texas Private School Accreditation Association, other state education agencies, or Department of Defense Schools will be honored.
- Units of credit earned from non-accredited schools and home study programs will require validation according to the following guidelines:
  - Credit for elective courses may be accepted, subject to review.
  - Required courses taken in sequence can validate credit in previously completed courses. (Example: English III completed successfully will validate English I and English II. Algebra II completed successfully will validate Algebra I).
  - Required courses that have no sequential course must be validated by examination or administrative approval. (Example: Geometry, World History, United States History).

PHYSICAL EDUCATION SUBSTITUTIONS

Students may receive TEA approved physical education credit for the following activities:

Activity	Semester	Credits
Athletics	1st and 2nd	up to 4 credits
Athletic Trainer	1st and 2nd	up to 4 credits
Cheerleading	1st and 2nd	1 credit only
Drill Team	1st and 2nd	1 credit only
Pep Squad	1st and 2nd	1 credit only
Marching Band	1st only	1 credit only
JROTC	1st and 2nd	up to 4 credits

Private or Commercially-Sponsored Physical Activity Programs:
Students may also receive physical education credit by participating in private or commercially-sponsored physical activity programs, such as dance or martial arts, which have been approved by the Superintendent or designee. Students participating in this program may not be enrolled in another physical education class or athletics. Grades will be recorded as pass/fail and will not be calculated for GPA. Students interested in this program should contact the school counselor for an application.

SPECIAL EDUCATION

The special education department offers identified students with disabilities opportunities to develop abilities in the least restrictive environment. The ARD committee determines the course sequence for special education students as the graduation plan for each student is developed.

CREDIT BY EXAMINATION

CREDIT BY EXAM WITHOUT PRIOR INSTRUCTION

AVAILABILITY

Credit by Examination without prior instruction will be available to Abilene ISD students enrolled in grades 7-12 in the following courses:

Art 1
Algebra I, II
Biology
Chemistry
Economics
English I, II, III, IV
Environmental Systems
French I, II
Geometry
German I, II
Government
Health
Integrated Physics and Chemistry (IPC)
Latin I, II
Mathematical Models with Applications
Physics
Pre-Calculus
Spanish I, II
US History
World Geography
World History

UTILIZATION OF EXAMINATION SCORES

Credit for the respective course will be granted if a student scores at or above 80 on the placement examination. The examination score will be recorded on the academic achievement record transcript as the course grade. Grades earned through the credit by examination process will not be used in determining grade point averages or to establish eligibility.

CREDIT BY EXAM WITH PRIOR INSTRUCTION

AVAILABILITY

Subject to the limitation and eligibility criteria outlined in these guidelines, the credit by examination with prior instruction process will be available to Abilene ISD students enrolled in grades 7-12 who have failed any of the following courses:

Accounting
Algebra I, II
Art I
Banking and Financial Services
Business Information Management I
Biology
Business Law (1/2 credit)
Chemistry
Child Development (1/2 credit)
Communication Applications
Digital and Interactive Media
Dollars and Sense
Economics
English I, II, III, IV
Foundations of Personal Fitness
French I, II
Geometry
Government
Health
Individual Sports
Integrated Physics and Chemistry (IPC)
Math Models with Applications
Money Matters
Nutrition and Wellness
Physics
Principles of Information Technology
Pre-Calculus
Psychology
Sociology
Spanish I, II, III
Team Sports
Theatre Arts
Touch Systems Data Entry (1/2 credit)
US History
World Geography
World History

UTILIZATION OF EXAMINATION SCORES

Credit for the respective course will be granted if a student scores a grade at or above 70 on the examination. The examination score will be recorded on the academic achievement record transcript as the course grade. Grades earned through the credit by examination process will not be used in determining grade point averages or to establish eligibility.

EXAMINATION

All examinations are purchased from an approved university. Any student taking an exam must pay the examination fee charged by the university.

LIMITATION

Students who failed a course because they exceeded the maximum number of absences may not use credit by examination to receive credit for the respective course. Only 2 credits may be earned through credit by exam or correspondence.

STUDENT ELIGIBILITY

Unless excluded by the above limitation, a student will be permitted to attempt to receive credit by examination for a course if the following criteria are met:

- A written application which reflects parental approval has been submitted;
- The application is approved by the campus principal or designee.

DETERMINING GRADE POINT AVERAGE

The final grade point average (GPA) to determine the class rank for graduating students is computed by averaging the semester grades beginning with grade 9 and ending with the fifth six week grading period of the final year. The second semester average for the final year is determined by averaging the grades for the fourth and fifth six-week grading periods.

If a course is retaken, the highest grade will be used in GPA calculations. Grades earned from high school courses taken in middle school, from dual-credit courses, from distance learning courses, and through credit by examination* are not used in GPA calculations (unless the dual credit class is also an AP class).

The formula used for computing GPA is as follows:

$$\frac{\text{(sum of grades)}}{\text{(number of grades)}} + \frac{\text{(number of AP/IB/local advanced honors grades 70 or above X 10)} + \text{(number of PreAP/IB/local honors grades 70 or above x 5)}}{\text{(standard number of grades accumulated at this point in academic career)}} = \text{GPA}$$

The "standard number of grades accumulated" is as follows:

All graduates - 56
Mid-term Senior (7 semesters) - 49
Junior (6 semesters) - 42
Sophomore (4 semesters) - 28
Freshman (2 semesters) - 14

The valedictorian will be the student graduating with the highest GPA. The salutatorian will be the student with the second highest GPA. If a tie occurs, co-valedictorians will be named.

The four other students with the highest GPA in the graduating class, together with the valedictorian and salutatorian, will appear on the platform and be officially recognized as part of the commencement program. The 25 top-ranking students will be designated. Students with a GPA of 90 or above will be designated as honors graduates on the commencement program.

To be eligible for graduation honors described above, a student must complete the final two semesters prior to graduation in the District. Completion of a semester is defined as receiving semester grades from a District School.

Grades for transfer students will be recorded and averaged as received. Letter grades will be converted to numerical grades as follows:

A	=	95
B	=	85
C	=	77
D	=	72
F	=	no credit

A student may earn a maximum of one credit for a regular academic course, an advanced placement course, or a credit by examination* course with the same Texas Education Agency course number or one which covers the same required essential knowledge and skills.

Note: Juniors who wish to graduate early must notify the campus registrar and counselor of intent to graduate early. The deadline will be the end of the fourth six-weeks grading period of the junior year. Students must return the "Intent to Graduate Early" form to the counselor.

*__Credit by examination__—The District shall give a student in grades 6-12 credit for an academic subject in which the student has received no prior instruction if the student scores:

1. Eighty percent or above on a criterion-referenced examination for acceleration for the applicable course;
2. A three or higher on an advanced placement examination approved by the Board and developed by the College Board; or
3. A scaled score of 60 or higher on an examination approved by the Board and administered through the College-Level Examination Program.

If such credit is given, the District shall enter the examination score on the student's transcript, and the student is not required to take an end-of-the-course assessment instrument under Education Code 39.023(c) for that subject.

Students will have an annual review of their graduation plan to assess progress, discuss necessary adjustments and update the plan to revise course choices in order to meet new or additional goals. Students will be advised of courses recommended for college and career preparation and should keep themselves informed of changes in entry requirements and career trends. Parents/guardians will be consulted if major changes occur. (Note: In addition to completing curriculum requirements for graduation, all students must pass the required End-of-Course tests and complete the final semester of work to receive a diploma.)

Foundation High School Program with Endorsements

Students who complete the **Foundation High School Program** including Algebra II as one of four mathematics credits and the credit requirements specific to at least one endorsement will graduate with the **Distinguished Level of Achievement.** All students shall specify in writing the endorsement(s) the student intends to earn. Distinguished Level of Achievement allows students to be eligible for college admission under the top 10% automatic admissions provision.

Endorsements can be found on page 11.

A student may also earn **Performance Acknowledgements** that will be placed on the student's diploma and transcript. Performance Acknowledgements may be earned by completing the following:

1. Outstanding Performance in a Dual Credit course:
   - 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 and locally articulated courses, with a grade of the equivalent of 3.0 or higher on a scale of 4.0; or
   - an associate degree while in high school.

2. Outstanding Performance in Bilingualism or Biliteracy:
   - Completing all English Language Arts requirements and maintaining a minimum GPA of the equivalent of 80 on a scale of 100 and satisfying one of the following:
     - completion of a minimum of three credits in the same language in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; and satisfying one of the following:
       - ❖ demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
       - ❖ completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of 80 on a scale of 100; or
       - ❖ demonstrated proficiency in one or more languages other than English through one of the following methods:
         - ➢ score of 3 or higher on a College Board Advanced Placement exam for a language other than English, or
         - ➢ score of 4 or higher on an International Baccalaureate Exam (IB) for a higher-level language other than English courses, or
         - ➢ performance on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent.
   - ELL students must complete the above criteria and also have participated and met the exit criteria for a bilingual or ESL program and scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).

3. Outstanding Performance on a College Board Advanced Placement test or International Baccalaureate examination by earning:
   - a score of three or above on a college Board advanced placement examination
   - a score of four or above on an International Baccalaureate examination for a higher-level course.

4. Outstanding Performance on the PSAT, the ACT-PLAN, the SAT or the ACT:
   - a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognition Program (NBHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation; or.
   - achieving the college readiness benchmark score on at least two of the four subject tests on the ACT PLAN exam; or
   - a combined critical reading and mathematics score of at least 1250 on the SAT; or
   - a composite score on the ACT exam (without writing) of 28.

5. Earning a nationally or internationally recognized business or industry certification or license:
   - performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification; or
   - performance on an examination sufficient to obtain a government–required credential to practice a profession.

(Note: In addition to completing curriculum requirements for graduation, all students must pass the required End-of-Course tests and complete the final semester of work to receive a diploma.)

IMPORTANT NOTICE TO PARENTS

Students are eligible for admission to any general academic teaching institution (4-year state university) if they have completed the **Foundation High School Plan**. Students graduating on the Minimum Program may not be eligible for admission to a 4-year university. The legislation also adds the requirement that students in the top 10 percent of their high school graduating class are eligible for automatic admission to institutions of higher education *only* if they have completed the Foundation Distinguished Level diploma program. The University of Texas at Austin accepts the top 7 percent.

Foundation School Program with Endorsements

REQUIRED COURSES	FOUNDATION SCHOOL PROGRAM WITH ENDORSEMENTS
ENGLISH LANGUAGE ARTS	**4 Credits English:** ELA I, II, III and one credit in any authorized advanced English course (see pg.12 for course list).
MATHEMATICS	**4 Credits Mathematics:** Algebra 1**,** Geometry, two credits in any authorized advanced math course (STEM must take Algebra II.) **Distinguished Level of Achievement:** Algebra I, Geometry, Algebra II, one credit in any authorized advanced math course (see pg. 12 for course list.)
SCIENCE	**4 Credits Science:** Biology, two credits in any advanced science course, one credit in IPC, Chemistry or Physics (see pg.12) for course list).
SOCIAL STUDIES	**4 Credits Social Studies Highly Recommended** (3 Required)**:** World Geography is highly recommended; World History, U.S. History, and Government/Economics are required
PHYSICAL EDUCATION	**1 Credit:** Required credit may be from any combination of the following one-half to one credit courses: Foundations of Personal Fitness, Adventure/Outdoor Education, Aerobic Activities, or Team or Individual Sports. Credit may not be earned for any TEKS-based course more than once. Credit for any of the courses listed above may be earned through participation in the following activities: Athletics (up to 4 credits) Approved private/commercial (up to 4 credits) JROTC (1 credit) Drill Team (up to 1 credit) Marching Band (up to 1 credit) Cheerleading (up to 1 credit)
LANGUAGES OTHER THAN ENGLISH	**2 Credits**: In the same language or 2 credits selected from Computer Science I, II, or III.
FINE ARTS	**1 Credit**
ELECTIVES	**6 Credits** Must be selected from the State Board of Education approved courses for grades 9-12
TOTAL CREDITS	**26 (22 + 4 Including Endorsements)**

Endorsements

STEM	BUSINESS/INDUSTRY	PUBLIC SERVICE	ARTS & HUMANITIES	MULTIDISCIPLINARY STUDIES
▪ Science, Technology, Engineering, & Mathematics (STEM)	▪ Agriculture, Food & Natural Resources ▪ Architecture & Construction ▪ Arts, Audio-Visual Technology & Communications ▪ Business Management & Administration ▪ Finance ▪ Hospitality & Tourism ▪ Information Technology ▪ Manufacturing ▪ Marketing ▪ Transportation, Distribution & Logistics	▪ Education & Training ▪ Government & Public Administration ▪ Health Science ▪ Human Services ▪ Law, Public Safety, Corrections & Security ▪ Four years JROTC	▪ Arts ▪ Humanities	Select courses from the curriculum of each of the other endorsement areas; Credits in a variety of advanced courses from multiple content areas sufficient to complete the distinguished level of achievement under the foundation program.

PERFORMANCE ACKNOWLEDGEMENTS

- **Outstanding performanc**e: Dual credit coursework; bilingualism, bi-literacy; college AP or IB exam; PSAT, ACT-PLAN, SAT or ACT
- **Certification:** Nationally or internationally recognized business or industry certification or license

(see pg. 10 for details)

Note: Guidelines in the College and Career Planning Guide are subject to change based on updates from the Texas Education Agency, the State Board of Education and the Texas Legislature. Any updates will be placed in the online version of the College and Career Planning Guide.

APPROVED ADVANCED COURSES FOR THE FOUNDATION AND ENDORSEMENT HIGH SCHOOL PLAN

These courses satisfy the advanced course requirements for then new Foundation & Endorsement High School Plan in English, Mathematics, and Science.

ENGLISH LANGUAGE ARTS:

- Advanced Journalism: Newspaper III
- Advanced Journalism: Yearbook III/Literary Magazine
- AP English Language & Composition
- Business English
- Communications Applications (must be combined with another half-credit from this list)
- Creative Writing
- Debate III
- English IV or AP English Literature & Composition
- Independent Study in English: Hebrew Scriptures
- Independent Study in English: New Testament
- Independent Study in Speech
- Literary Genres
- Oral Interpretation III
- Public Speaking III
- Research and Technical Writing
- College Prep for Post-Secondary Readiness in English Language Arts
- Humanities
- Independent Study in Journalism
- Advanced Broadcast Journalism
- IB International Baccalaureate Language Studies A1 Higher Level
- Dual Credit Courses

MATHEMATICS:

- Algebra II or PAP Algebra II
- AP Calculus AB
- AP Calculus BC
- AP Computer Science
- AP Statistics
- Calculus
- Independent Study in Math
- Mathematical Applications in Agriculture, Food, and Natural Resources (CTE)
- Mathematical Models with Applications**
- Pre-calculus or PAP Pre-calculus
- Statistics & Business Decision Making (CTE)
- Algebraic Reasoning
- Financial Mathematics (CTE)
- College Prep for Post-Secondary Readiness in Mathematics
- Digital Electronics
- Engineering Mathematics
- Discrete Mathematics for Computer Science
- Discrete Mathematics for Problem Solving
- Robotics Programming and Design
- Advanced Quantitative Reasoning
- IB Mathematical Studies Standard Level
- IB Mathematics Standard Level
- IB Mathematics Higher Level
- IB Further Mathematics Higher Level
- Dual Credit Courses

SCIENCE:

- Anatomy & Physiology (CTE)
- AP Biology
- AP Chemistry
- AP Environmental Science
- AP Physics I: Algebra-Based
- AP Physics II: Algebra-Based
- Chemistry or PAP Chemistry
- Environmental Systems
- Medical Microbiology (CTE)
- Pathophysiology (CTE)
- Physics or PAP Physics
- Principles of Engineering (CTE)
- College Prep for Post-Secondary Readiness in Science
- Aquatic Science
- Astronomy
- Earth and Space Science
- AP Physics C
- Advanced Animal Science (CTE)
- Advanced Plant and Soil Science (CTE)
- Food Science (CTE)
- Forensic Science (CTE)
- Advanced Biotechnology (CTE)
- Principles of Technology (CTE)
- Scientific Research and Design (CTE)
- Engineering Design and Problem Solving (CTE)
- IB Biology
- IB Chemistry
- IB Physics
- IB Environmental Systems
- Dual Credit Courses

*This list is subject to being updated at any time by the Texas Education Agency and the State Board of Education.
**May be taken after Algebra I in any sequence, for Foundation Plus Endorsement Plan, but will only count as a student's third math credit. Does not qualify as an advanced math or as a math course for the STEM Endorsement

APPROVED ADVANCED CTE COURSES OFFERED IN AISD, BY CAREER CLUSTERS, FOR THE FOUNDATION PLUS ENDORSEMENT HIGH SCHOOL PLAN

***There are Advanced CTE Courses approved by the Texas Education Agency that are not currently offered in Abilene ISD which are permissible for completing an endorsement.**

AGRICULTURE, FOOD & NATURAL RESOURCES

- Mathematical Applications in Agriculture, Food and Natural Resources
- Agricultural Facilities Design and Fabrication
- Practicum In Agriculture, Food, and Natural Resources
- Veterinary Medical Applications
- Advanced Animal Science
- Agribusiness Management and Marketing
- Advanced Environmental Technology
- Food Processing
- Range Ecology and Management
- Landscape Design and Management
- Turf Grass Management
- Advanced Plant and Soil Science
- Agricultural Power Systems

ARCHITECTURE AND CONSTRUCTION

- Construction Technology II
- Electrical Technology I
- Electrical Technology II
- HVAC and Refrigeration Technology I(at Cisco College)
- HVAC and Refrigeration Technology II (at Cisco College)
- Practicum in Construction Management
- Interior Design II
- Practicum in Interior Design
- Architectural Design II
- Practicum in Architectural Design
- Construction Management II
- Mill and Cabinetmaking Technology
- Building Maintenance Technology I
- Building Maintenance Technology II
- Plumbing Technology I
- Plumbing Technology II

ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS

- Fashion Design II
- Practicum in Fashion Design
- Animation I
- Animation II
- Audio Video Productions II
- Practicum in Audio Video Production
- Radio Broadcasting II
- Graphic Design and Illustration II
- Practicum in Graphic Design and Illustration
- Commercial Photography I
- Commercial Photography II
- Printing and Imaging Technology I
- Practicum in Printing and Imaging Technology
- Video Game Design

BUSINESS MANAGEMENT AND ADMINISTRATION

- Business Information Management I
- Business Information Management II
- Business Law
- Global Business
- Virtual Business
- Business Management
- Practicum in Business Management

EDUCATION AND TRAINING

- Instructional Practices in Education and Training
- Practicum in Education and Training

FINANCE

- Accounting II
- Statistics and Business Decision Making
- Financial Analysis
- Financial Math

GOVERNMENT AND PUBLIC ADMINISTRATION

- Political Science II
- Revenue, Taxation, and Regulation
- National Security
- Foreign Service and Diplomacy
- Practicum in Local, State, and Federal Government

HEALTH SCIENCE

- Medical Terminology
- Practicum in Health Science
- Anatomy and Physiology
- Medical Microbiology
- Pathophysiology
- World Health Research
- Medical Biotechnology
- Principles of Biomedical Science
- Human Body Systems
- Medical Interventions

APPROVED ADVANCED CTE COURSES OFFERED IN AISD, BY CAREER CLUSTERS, FOR THE FOUNDATION PLUS ENDORSEMENT HIGH SCHOOL PLAN

***There are Advanced CTE Courses approved by the Texas Education Agency that are not currently offered in Abilene ISD which are permissible for completing an endorsement.**

HOSPITALITY SERVICES

- Culinary Arts I
- Culinary Arts II
- Practicum in Culinary Arts
- Hospitality Services
- Practicum in Hospitality and Tourism
- Food Science

HUMAN SERVICES

- Child Guidance
- Practicum in Human Services
- Cosmetology I
- Cosmetology II
- Counseling and Mental Health
- Barbering II

INFORMATION TECHNOLOGY

- Networking
- Computer Technician Practicum
- Web Technologies
- Project-Based Research
- Computer Programming II
- Database Fundamentals (Oracle)
- Database Programming (Oracle)
- Internetworking Technologies I (Cisco)
- Internetworking Technologies II (Cisco)
- Geographic Information Systems
- Raster Based Geographic Information Systems
- Spatial Technology and Remote Sensing
- Research in Information Technology Solutions

LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

- Law Enforcement II
- Court Systems and Practices
- Correctional Services
- Security Services
- Forensic Science
- Firefighter II
- Practicum in Law, Public Safety, Corrections, and Security
- Forensic Psychology

MANUFACTURING

- Welding II
- Practicum In Manufacturing
- Precision Metal Manufacturing II
- Flexible Manufacturing II
- Manufacturing Engineering

MARKETING

- Marketing Dynamics
- Practicum In Marketing Dynamics

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM)

- Practicum in Science, Technology, Engineering, and Mathematics
- Computer Integrated Manufacturing (PLTW)
- Engineering Design and Development (PLTW)
- Engineering Design and Presentation II
- Biotechnology II
- Engineering Mathematics
- Solid State Electronics
- Principles of Technology
- Scientific Research and Design
- Engineering Design and Problem Solving
- Aerospace Engineering
- Biotechnology Engineering
- Civil Engineering and Architecture
- Data Acquisition and Analysis
- Engineering: the Digital Future (Infinity)

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS

- Automotive Technology I: Maintenance & Light Repair
- Automotive Technology II: Automotive Service
- Practicum in Transportation
- Practicum in Distribution & Logistics
- Aircraft Powerplant Technology
- Collision Repair
- Distribution & Logistics
- Paint and Refinishing
- Small Engine Technology I
- Small Engine Technology II
- Management of Transportation Systems

❖ *ADVANCED PLACEMENT/HONORS PROGRAM*

PURPOSES OF ADVANCED PLACEMENT/HONORS COURSES

Advanced Placement courses are college level courses taken by high school students in which they may receive college credit by passing a national exam. Students must take an AP exam to receive college credit. Colleges and universities set their own standards for awarding credit. Over 90% of the U.S. colleges and universities as well as those in twenty other countries award credit for AP exams.

AP courses are taught by high school teachers or university professors who receive College Board training. Since AP students are working on a college level, AP courses are designated as Bonus Points courses, and the students receive additional points toward their GPA. All AP courses are open to students in grades 9-12 who are in good academic standing and have met the criteria for selection.

CRITERIA FOR SELECTION

Students who meet the following criteria should consider enrolling in Advanced Placement, PreAP or honors courses:

- Gifted and talented student;
- Have a semester grade of at least 80 in an AP, PreAP or honors course in the same or comparable academic area the previous semester;
- Have a grade of at least 90 in an on-level course in the same or comparable academic area the previous semester;
- Have teacher, counselor, or principal recommendation to enroll in the class.

NEW STUDENTS TO ABILENE ISD

A student new to Abilene ISD who has been enrolled in/or approved for an Advanced Placement, PreAP or honors program or the equivalent in a previous school will be offered placement in the Abilene ISD Advanced Placement program.

ADVANCED PLACEMENT/HONORS COURSES AVAILABLE

English	**Mathematics**	**Science**
PreAP English I	PreAP Algebra I	PreAP Biology
PreAP English II	PreAP Geometry	PreAP Chemistry
AP English III	PreAP Algebra II	AP Biology
AP English IV	PreAP Pre-Calculus	AP Chemistry
	AP Calculus	AP Physics 1: Algebra-Based
Fine Arts	AP Statistics	AP Physics 2: Algebra-Based
PreAP Art I	AP Computer Science	AP Physics C
PreAP Art II – Drawing		AP Environmental Science
PreAP Art III –Drawing	**Social Studies**	Principles of Engineering
AP Art/Drawing Portfolio	PreAP World Geography	**Foreign Language**
AP 2D Design Portfolio	AP Human Geography	PreAP Spanish I
PreAP Art II – Photography	AP World History	PreAP Spanish II
PreAP Art III – Photography	AP US History	PreAP Spanish III
AP 2D Design Portfolio –	AP US Government and Politics	AP Spanish IV
Photography/Digital Imaging	AP Macroeconomics	AP Spanish V
AP 3D Design Portfolio	AP European History	PreAP French II
AP History of Art	AP Psychology	PreAP French III
AP Music Theory	AP Go	AP French IV

For additional information, see your counselor and visit www.apcentral.collegeboard.com

PROJECT LEAD THE WAY HONORS COURSES AVAILABLE

Introduction to Engineering Design
Computer Integrated Manufacturing
Aerospace Engineering
Engineering Design and Development

❖ *DUAL CREDIT COURSES*

Abilene ISD students have dual credit opportunities at six colleges and universities (Abilene Christian University, Angelo State University, Cisco College, Hardin-Simmons University, McMurry University, and Texas State Technical College-West Texas) and through the state-wide Advanced Technical Credit (ATC) Program. AISD may negotiate agreements with additional colleges for dual credit. Additional dual credit courses may be added at any time. Students must meet eligibility criteria for each course.

Students may earn both high school and college credit at the same time when enrolled in a dual credit course. Credit is posted to the student's high school transcript and college transcript upon successful completion of the course. The student is taught and graded in the same way as college students who take the same course. **Only AP dual credit grades are included in GPA calculations.**

Dual enrollment classes are taught by one of the following teaching arrangements:

- The course may be taught on the college campus by a college instructor
- The course may be taught on a high school campus by a college instructor
- The course may be taught on a high school campus by a high school/college teacher

Policies regarding college tuition, fees, and required instructional supplies are set by the college or university. Students must meet specific college and Abilene ISD criteria before being accepted for enrollment in a dual credit course. Students should check with individual institutions of higher learning for admission requirements and details for awarding credit. Please note that students may be responsible for the cost of tuition and books. Interested students should check with their counselor for information and requirements for enrollment.

Please refer to the online or published 2016-2017 Dual Credit Supplement for the dual credit course offerings and conditions of enrollment. The Dual Credit Supplement has specific information from the universities regarding course offerings, course descriptions, fees, requirements and important dates. This supplement will be available in April. A District Dual Credit Informational Meeting also will be scheduled in the spring and registration dates for students to register with the universities will be announced them.

❖ *ARTICULATED CREDIT—ADVANCED TECHNICAL CREDIT*

Abilene ISD students can also receive college credit for designated high school courses through the state-wide, Advanced Technical Credit (ATC) program. ATC articulated courses are tuition free. However, not all public two-year colleges in Texas participate in the Advanced Technical Credit program, and not all participating colleges offer all courses covered by the ATC program. For additional information regarding ATC and a comprehensive list of two-year colleges participating in ATC, go to: www.atctexas.org. Students should check with the school counselor for additional AISD career and technical education courses that are eligible for Advanced Technical Credit. The following AISD CTE courses are eligible for statewide articulated credit (for those courses taken in 11th or 12th grades) through the Advanced Technical Credit program.

AISD Courses	College Courses
Accounting I	Principles of Accounting or Introduction to Accounting I
Advanced Welding	Introduction to Welding fundamentals or Introduction to Shielded Metal Arc Welding
Agricultural Mechanics and Metal Technology *	Shop Safety and Procedures or Welding Fundamentals or Farm and Ranch Shop Skills I
Business Computer Information Management I *	Computer Applications I or Introduction to Computers
Child Guidance*	Child Guidance or Child Development Associate Training II
Computer Maintenance*	Introduction to Computer Maintenance
Computer Technician*	Computer systems Maintenance
Court Systems and Practices*	Fundamentals of Criminal Law or Court Systems and Practices
Entrepreneurship	Small Business Management/Entrepreneurship
Health Science*	Essentials of Medical terminology or Medical Terminology or Medical Terminology I
Law Enforcement I*	Criminalistics I
Lifetime Nutrition and Wellness *	Nutrition for the Food Service Professional
Principles of Business, Marketing and Finance*	Introduction to Business
Principles of Health Science*	Intro to Health Professionals
Principles of Information Technology*	Introduction to Computers
Principles of Law, Public Safety, Corrections & Security*	Introduction to Criminal Justice
Telecommunications & Networking*	Fundamentals of Networking Technologies

*In those course sections with teachers who are ATC certified

WHAT COUNTS IN COLLEGE ADMISSIONS

Factors Influencing Admission Decisions (NACAC Annual Admissions Survey)	
Grades in Academic/Challenging Courses	(80%)
SAT/ACT Scores	(52%)
Grades in All Subjects	(45%)
Class Rank	(31%)
Essay	(20%)
Teacher/Counselor Recommendations	(17%)
Community Service	(8%)
Work/School Activities	(8%)

The single most important credential in the applicant's folder is his/her academic record, particularly the junior year and the first half of the senior year. Usually you can help your college chances by making a strong effort to improve your course selections and grades during this time, showing you are "on the way up." College preparatory courses taken throughout high school are the most important factor in the college admission decision and will receive scrutiny by admissions officers.

The college admissions process is complex. Here are some points that may be valuable as you try to unravel its mysteries:

- Standardized examinations play a major role in the admission process. Students should take the PSAT, SAT, and ACT during their junior year. These scores are considered reliable predictors for college success when combined with high school grades in academic courses and rank in class.

- Extracurricular activities and community service play an important role in the admissions process. Colleges frequently state they look for students who will make a significant contribution to the college community. Because around 70% to 80% of all students can handle the academics, colleges often look for that extra dimension – musicians, editors, actors, photographers, athletes and others with a developed and usable talent as well as students with leadership qualities. Students with superior ability in these areas can expect to receive a special review by faculty with expertise and careful consideration by the admissions office.

- For most competitive colleges, recommendations are an essential part of an applicant's file. The exceptions to this rule are large state universities where written recommendations are often not required or given as much weight. Recommendations describe not only achievements and skills, but also character, motivation, integrity and patterns of growth. Teachers' reports also play an important role in selection process, particularly when the teachers know the student well and are willing to detail potential in specific areas.

- Correspondence with colleges should be initiated and followed up by the student. Many college admissions people see this as a reflection of a student's sense of responsibility and independence. It also indicates such items as accuracy, clarity, courtesy, and maturity. If there is a particular problem on the school record or the application that needs further clarification, the student should feel free to write the college. Just as colleges keep files on students, students should keep files on the colleges. Included in the files should be copies of letters, notes, and drafts of essays. Your guidance counselor and English teacher are excellent resources when corresponding with colleges, filling out applications, and writing the required essays.

For more information visit the Abilene Education Foundation's website at www.aaeeff.org.

A.T.E.M.S.

ACADEMY OF TECHNOLOGY, ENGINEERING, MATH & SCIENCE

A T-STEM High School

Located on the college campus of:
TSTC
650 E. HWY 80
Abilene, Texas 79601
325-794-4140

The Academy of Technology, Engineering, Mathematics & Science is a Texas Education Agency designated T-STEM public high school within Abilene ISD. As a Texas STEM school, our academic focus is on providing challenging, high-quality STEM instruction in order to prepare our students for success in STEM careers and higher education. We emphasize academic excellence, personal responsibility, respect, professional communication, community service, and leadership.

All students who attend ATEMS select one of two areas of study: engineering or information technology. Our engineering courses are part of the nationally-recognized Project Lead the Way program which provides course curriculum and extensive teacher-training. ATEMS utilizes traditional instruction as well as Project-Based Learning (PBL) and Problem-Based Learning (PrBL) and provides 1-to-1 technology access for all students. ATEMS offers rigorous Pre-AP, AP, and dual-credit courses as well as solid academic courses. In order to encourage both communication and collaboration, our students and teachers use Schoology, a web-based learning management system.

ATEMS provides numerous opportunities for student leadership and involvement including Student Council, UIL academic competitions, robotics, National Honor Society, National Technical Honor Society, Mouse Squad, STARS, and conference-led activities and community service projects. In addition, ATEMS students may choose to participate in athletics, band, orchestra, choir, and Junior ROTC at Abilene and Cooper high schools.

Students who are interested in attending ATEMS may apply online at www.abileneisd.org/atems. Application dates and information are also available at that website. For information regarding coursework and extra-curricular participation, please contact the ATEMS counselor.

General schedule overview for students attending ATEMS

Grade 9	Grade 10	Grade 11	Grade 12
English 1- Academic or Pre-AP	English II- Academic or Pre-AP	English III- Academic or AP/DC	English IV- Academic or AP/DC
Algebra 1- Academic or Pre-AP, Geometry- Academic or Pre-AP	Geometry- Academic or Pre-AP, Algebra II- Academic or Pre-AP	Algebra II- Academic or Pre-AP, Pre-Calculus- Academic or Pre-AP	Pre-Calculus- Academic or Pre-AP, AP Calculus, AP Statistics
World Geography or AP Human Geography	World History	U.S. History Academic or AP U.S. History	Government/Economics Academic or AP Government/AP Economics
Biology- Academic or Pre-AP	Chemistry- Academic or Pre-AP	Physics Academic or AP Physics I, Additional science as offered	AP Physics II, AP/DC Biology, Additional science as offered
Spanish I- Academic or Pre-AP	Spanish II-Academic or Pre-AP	Spanish II Pre-AP or other elective	Elective
PE, JROTC, Athletics, or Fine Arts	PE, JROTC, Athletics, Fine Arts or elective	PE, JROTC, Athletics, Fine Arts or other elective	PE, JROTC, Athletics, Fine Arts or other elective
Information Technology or Engineering	Information Technology or Engineering	Information Technology or Engineering	Information Technology or Engineering

ENGINEERING PATHWAY

(STEM Endorsement)

- **Introduction to Engineering Design**
- **Engineering Science**
- **Computer Integrated Manufacturing and/or Aerospace Engineering**
- **Engineering Design & Development**

INFORMATION TECHNOLOGY PATHWAY

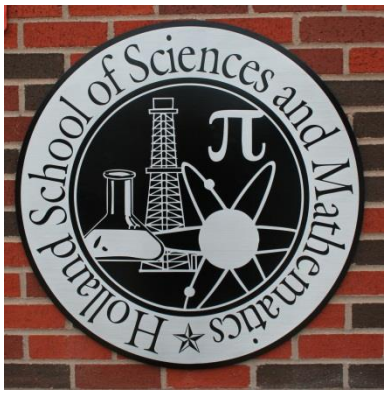
(Business and Industry Endorsement)

- **Principles of Information Technology**
- **Digital Media**
- **Web Technologies**
- **Practicum in Information Technology**

HOLLAND MEDICAL HIGH SCHOOL

Students interested in pursuing careers in the health care field have the opportunity to attend Holland Medical High School on the beautiful campus of Hardin-Simmons University. Holland is a unique, collaborative partnership between HSU, Cisco College and the Abilene Independent School District. Constructed on the corner of Cedar and Vogel, Holland Med High is located near the largest medical community in West Texas and is adjacent to Hendrick Health System.

Holland houses the AISD Health Science program of study and is available to eleventh and twelfth grade students interested in the health field. Health Science students divide their time each day between Holland and their home campuses. Beginning their junior year, students attend Holland Medical High School for three periods each day (either morning or afternoon) with the remainder of the day spent at their home campus as well as to participate in extracurricular activities, such as athletics and fine arts. Principles of Health Science, a required prerequisite course, is available at both Cooper High and Abilene High for 10th through 12th graders. Medical Terminology, a recommended prerequisite, is open to 9th through 12th grade students, is open to 9th through 12th grade. Students completing a course of study in health sciences will have a Public Services Endorsement for graduation.



Health Science Courses offered at Holland are:

- Health Science Theory/Health Science Clinical – Certified Nurse Aide
- Health Science Theory/Health Science Clinical – Diversified Healthcare Skills
- Practicum in Health Science – Pharmacy Technician
- Practicum in Health Science – Dental Assistant
- Practicum in Health Science – Medical Assistant
- Anatomy and Physiology
- Medical Microbiology
- Project-based Research - Phlebotomy
- Project-based Research – Research and Design

Holland students will have the opportunity to complete numerous certifications and licenses recognized by the health care industry. These certifications may include: First Aid; CPR-AHA Healthcare Provider; CPR-AHA Heartsaver Adult Only; CPR—Adult and PBLS; Certified Nurse Aide; Pharmacy Technician; Registered Dental Assistant (Radiology, Infection Control, and Jurisprudence); Certified Electrocardiograph Technician; Certified Clinical Medical Assistant; and Phlebotomy Technician.

For additional information on Holland Medical High School and the AISD Health Science program of study, contact Mrs. Lyndsey Williamson, Principal of Holland at 794-4120.

Science, Technology, Engineering and Mathematics (STEM) Endorsement

Subject to State Board of Education approval and updates:

A student may earn a Science, Technology, Engineering and Mathematics Endorsement (STEM) by completing the requirements including Algebra II, chemistry, physics and:

1. a coherent sequence of courses for four or more credits in career and technical education (CTE) that consists of at least two courses in the same career cluster, including at least one advanced CTE course which includes any course that is the third or higher course in a sequence. The final course in the sequence must be obtained from the STEM career cluster.
2. a coherent sequence of four courses in computer science; or
3. five courses in mathematics by successfully completing Algebra I, geometry, Algebra II and two additional math courses for which Algebra II is a prerequisite; or
4. five courses in science by successfully completing biology, chemistry, physics and two additional science courses.
5. in addition to Algebra II, chemistry and physics, a coherent sequence of three additional credits from no more than two of the areas listed in 1, 2, 3 and 4.

Endorsement	Career Clusters	Course Name	Local Course Number	State Course Number	Location	Credits
SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS (STEM)	SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS	Business Information Management I*	08826	13011400	AHS/CHS	1
		Introduction to Engineering Design	08900	N1303742	ATEMS	1
		Engineering Science	08981	13037500	ATEMS	1
		Aerospace Engineering*	08982	N1303745	ATEMS	1
		Computer Integrated Manufacturing*	08902	N1303748	ATEMS	1
		Engineering Design and Development*	08903	N1303749	ATEMS	1
		Robotics I	08983	13037000	ATEMS	1
		Robotics II	08984	13037050	ATEMS	1
		Scientific Research & Design-Drones*	08943	13037200	ATEMS	1
		Practicum in Science, Technology, Engineering, and Mathematics*	08891	13037400	ATEMS	2
		Advanced Placement or Calculus AB and/or BC	05403	A3100101/ A3100102	AHS/CHS/ ATEMS	1
		Advanced Placement or Dual Credit Statistics	05405	A3100200	AHS/CHS/ ATEMS	1
		Other Advanced Placement or Dual Credit Mathematics			AHS/CHS/ ATEMS	1
		Advanced Placement or Dual Credit Biology	06373	A3010200	AHS/CHS/ ATEMS	1
		Advanced Placement or Dual Credit Environmental Science	06309	A03020000	AHS/CHS	1
		Advanced Placement or Dual Credit Physics	AP Physics C-06425 AP Physics 1-06427 AP Physics 2-06429	A3050002; A3050003; A3050004	AHS/CHS/ ATEMS	1
		Advanced Placement or Dual Credit Chemistry	06473	A3040000	AHS/CHS/ ATEMS	1
		Other Advanced Placement or Dual Credit Science Courses			AHS/CHS/ ATEMS	1

*Advanced CTE Course

Abilene ISD Sample **SCIENCE, TECHNOLOGY, ENGINEERING and MATHEMATICS** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
__**X**__STEM
____Business and Industry
____Arts and Humanities
____Public Services
____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certification Available: Autodesk Inventor

Graduation Plan--Foundation + Endorsement

Discipline	Credits	____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	3*		
Science	3*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	5		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as a 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

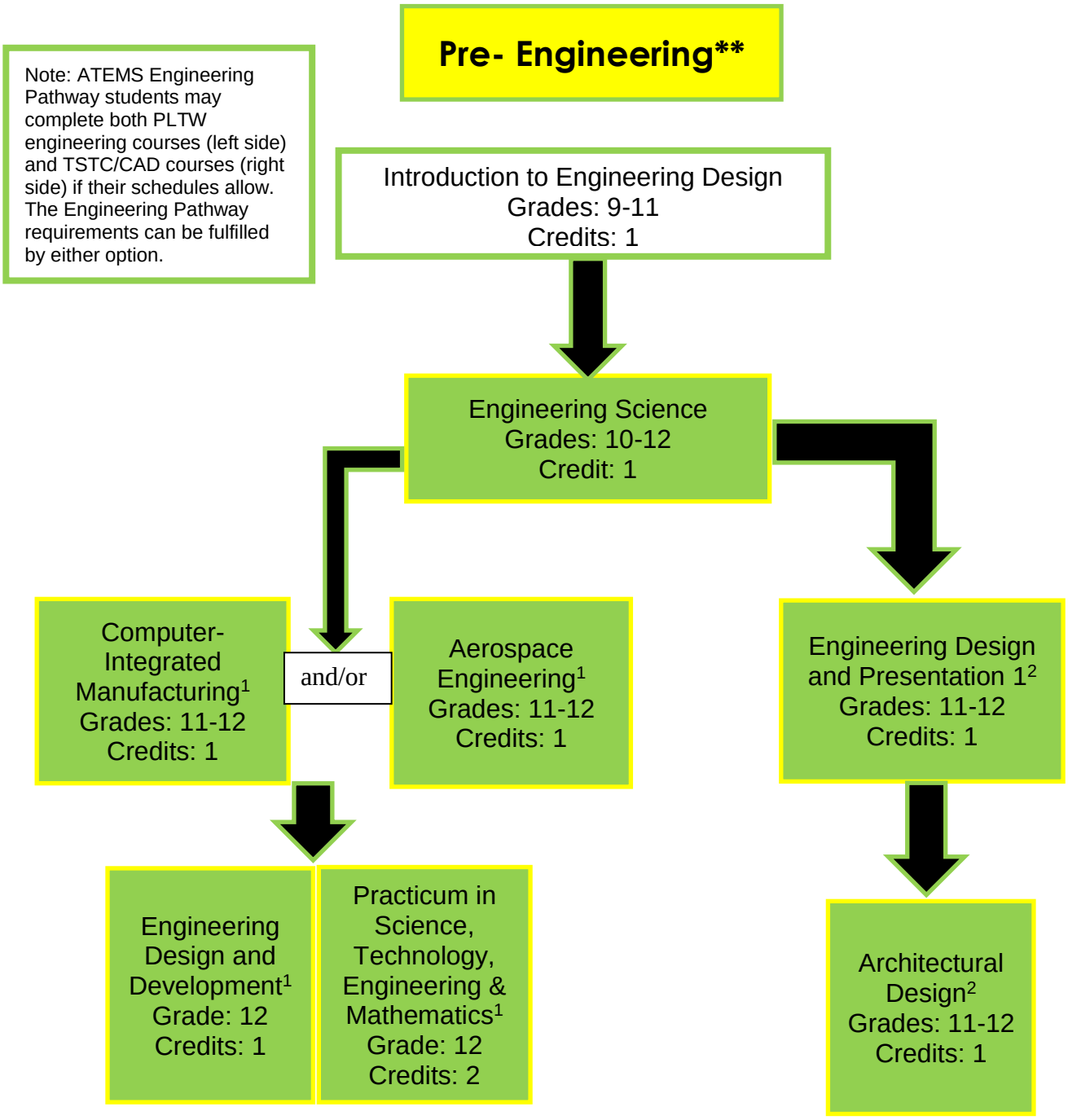
Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English/Technical Writing
2		Algebra I	Geometry	Algebra II	PreCalculus	Calculus
3			Biology	Chemistry	Chemistry/Physics/Astronomy/ Career and Tech Science	Advanced Placement/Dual Credit/Career and Tech Science
4			World History	Advanced Placement/Dual Credit U. S. History	Government and Economics	Engineering and Mathematics/ Additional Advanced Placement/Dual Credit Math/Science
5		Business Information Management	Introduction to Engineering Design	Engineering Science	Computer Integrated Manufacturing/Aerospace Engineering	Engineering Design and Development/Practicum in STEM
6			P.E./Athletics/ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language/ Fine Art I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Postsecondary Options in Science, Technology, Engineering, and Mathematics:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Civil Engineering Technology Computer Engineering Technology Electronics Engineering Technology Industrial Engineering Technology Electrical Power Production Technology	Aerospace Engineering Civil Engineering Electrical Engineering Mechanical Engineering Electronics Engineering Communication Engineering System Design Engineering Project Engineering Industrial Design Industrial Production Technology General Engineering Architectural Engineering Automotive Engineering	Certified Electronics Technician Drafter Certification AutoCAD 2016 Autodesk Inventor

Technology, Engineering, and Mathematics
Project Lead the Way®/
Engineering

NEW DISCOVERIES ARE MADE EVERY DAY. Scientists, technologists, engineers, and mathematicians are pushing the boundaries of human knowledge by seeking to better understand and improve the world around us. They spend their time exploring everything from vast galaxies of stars to the tiniest subatomic particles. They invent the technologies that make our lives easier and more rewarding and develop solutions to problems that threaten our future. Thanks to the men and women on the cutting edge, we know more than ever before. If you are curious about the universe, dream of exploring new worlds of knowledge, or want to solve the planet's problems, then Science, Technology, Engineering & Mathematics could be the right career cluster for you.



[1]Advanced CTE course
[2]Dual Credit – Online TSTC

Note: sequences available at ATEMS only

Science, Technology, Engineering, and Mathematics
Project Lead the Way®

Abilene Independent School District implemented the Project Lead the Way® Pre-engineering Program for grades 9 -12. Project Lead the Way® (PLTW) is a standards-based curriculum that will challenge the student to solve real-world engineering problems by applying the knowledge and skills related to mathematics, science, and technology. A student who completes the challenging pre-engineering and academic curriculum will:

- use state-of-the-art computer hardware and software technology in use in the engineering industry;
- participate in a hands-on, team-oriented activity-based program;
- have the opportunity to enroll in a sequence of four courses covering the essentials of engineering technology; and
- take courses that will apply and reinforce the study of math, science and technical communication

Requirements to participate in Project Lead the Way® include

- having a strong interest in pursuing a career in engineering or engineering technology;
- enrolling in at least one college preparatory mathematics course each year in high school; and
- having a strong interest in science

The four-year sequence for pre-engineering Project Lead the Way® will be:

9th grade: Introduction to Engineering Design
10th grade: Engineering Science
11th grade: Computer Integrated Manufacturing and/or Aerospace Engineering
12th grade: Engineering Design and Development

All Project Lead the Way® courses are designated as Honors courses and are eligible for weighted grade points. All Project Lead the Way® courses are only available at the Academy of Technology, Engineering, Mathematics and Science (ATEMS) and are only open to ATEMS students.

Introduction to Engineering Design (PLTW) (IED) (Honors)

Course #: 08900	***Credits: 1***
PEIMS #: N1303742	***Grades: 9-12***

This is the first course in the AISD Project Lead the Way® Pre-Engineering Program sequence. Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software and use an engineering notebook to document their work. **This course is only offered at ATEMS.**

Prerequisites: None

Engineering Science (ENGSCIEN) (Honors)

Course #:08981	***Credits: 1***
PEIMS #: 13037500	***Grades: 10-12***

Engineering Science is an engineering course designed to expose students to some of the major concepts and technologies that they will encounter in a postsecondary program of study in any engineering domain. Students will have an opportunity to investigate engineering and high-tech careers. Students will employ science, technology, engineering, and mathematical concepts in the solution of real-world challenge situations. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community. This course cannot be entered at mid-term. **This course is only offered at ATEMS.**

Prerequisites: Algebra I; Biology, Chemistry, IPC or Physics; Introduction to Engineering Design

Computer Integrated Manufacturing* (PLTW) (CIM) (Advanced Honors)

Course #: 08902	***Credits: 1***
PEIMS #: N1303748	***Grades: 11-12***

This course is part of the AISD Project Lead the Way® Pre-Engineering sequence. Manufactured items are part of everyday life, yet most students have not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge System. This course cannot be entered at mid-term. **This course is only offered at ATEMS.**

Prerequisites: Introduction to Engineering Design and/or Principles of Engineering or Engineering Science

*Advanced CTE course

Aerospace Engineering (PLTW) (AERO) (Advanced Honors)*

Course #: 08982 ***Credits: 1***

PEIMS #: N1303745 ***Grade: 11-12***

In this course students learn the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles. **This course is only offered at ATEMS.**

Prerequisites: IED and POE; must either (1) have earned a final average of at least 85 in Pre-Cal or Physics or at least an 80 in PreAP Pre-Cal or (2) be currently enrolled in AP Physics and/or Pre-AP Pre-Cal

Engineering Design and Presentation 1 (ENGDSPR1)

Option for Dual Enrollment – TSTC

Course #: T8889 ***1 high school credit***

PEIMS: 13036500 ***Grades: 11-12***

TSTC Course: Basic CAD ***Fall***

TSTC Course #: DFTG1409 ***4 college semester hours***

An introduction to computer-aided drafting. Emphasis is placed on setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding text and dimensions, using layers, coordinated systems and plot/print to scale. **(Online AISD Computer Lab)**

Prerequisites: Prerequisites: Introduction to Engineering Design and/or Principles of Engineering

TSTC Course: Intermediate CAD

TSTC Course #: DFTG2319 ***3 college semester hours***

A continuation of practices and techniques used in basic computer-aided drafting including the development and use of prototype drawings, construction of pictorial drawings, extracting data, and basics of 3D. **(Online AISD Computer Lab)**

Prerequisites: Basic CAD

Architectural Design (ARCHDSN1)

Option for Dual Enrollment – TSTC

Course #: T8892 ***1 high school credit***

PEIMS: 13004600 ***Grades: 11-12***

TSTC Course: Specialized Basic CAD ***Fall***

TSTC Course #: DFTG1317 ***3 college semester hours***

A supplemental course to Basic Computer-Aided Drafting using an alternative computer-aided drafting (CAD) software to create detail and working drawings. **(Online AISD Computer Lab)**

Prerequisites: Basic CAD, Intermediate CAD

Practicum in Science, Technology, Engineering, and Mathematics* (PRCSTEM1)

Course #: 08891 ***Credits: 2***

PEIMS #: 13037400 ***Grade: 12***

This course is recommended for students in grade 12. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the science, technology, engineering, and mathematics career cluster. **This course is only offered at ATEMS.**

Prerequisites: Principles of Engineering or Engineering Science, Introduction to Engineering Design, and Computer Integrated Manufacturing

Engineering Design and Development (PLTW) (EDD) (Advanced Honors)*

Course #: 08903 ***Credits: 1***

PEIMS #: N1303749 ***Grade: 12***

The knowledge and skills students acquire throughout PLTW Engineering come together in Engineering Design and Development as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing Engineering Design and Development ready to take on any post-secondary program or career. This course cannot be entered at mid-term. **This course is only offered at ATEMS.**

Prerequisites: Principles of Engineering or Engineering Science, Introduction to Engineering Design, and Computer Integrated Manufacturing

Robotics I (ROBOTIC1)

Course #:08983 ***Credits: 1***

PEIMS: 13037000 ***Grades: 9-10***

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

Prerequisites: Principles of Applied Engineering Recommended

Robotics II (ROBOTIC2)

Course #:08942 ***Credits: 1***

PEIMS: 13037050 ***Grades: 10-12***

In this course, 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.

Prerequisites: Robotics I

Scientific Research and Design-Drones* (SCIRD)

Course #:08943 ***Credits: 1***

PEIMS: 13037200 ***Grades: 11-12***

In this course, students will utilize drone-based technology and apply math and science skills as they complete a scientific program of study including problem identification, investigation design, data collection and analysis, formulation, and presentation. Student will prepare for and take the exam for the Part 107 License for Drones.

Prerequisites: Biology, Chemistry or Physics. This course satisfies high school science graduation requirement.

Business and Industry Endorsement

Subject to State Board of Education approval and updates:

A student may earn a Business and Industry Endorsement by completing the following requirements:

1. a coherent sequence of courses for four or more credits in career and technical education (CTE) that includes at least two courses in the same career cluster, including at least one advanced CTE course which includes any course that is the third or higher course in a sequence. The final course in the sequence must be selected from one of the following CTE career clusters:
    - Agriculture, Food and Natural resources
    - Architecture and Construction
    - Arts, Audio/Visual Technology and Communications
    - Business Management and Administration
    - Finance
    - Hospitality and Tourism
    - Information Technology
    - Manufacturing
    - Marketing
    - Transportation, Distribution and Logistics; or
2. four English elective courses, including three levels of one of the following areas:
    - Advanced Broadcast Journalism; or
    - Advanced Journalism: Newspaper; or
    - Advanced Journalism: Yearbook
    - Public Speaking; or
    - Debate
3. four technology applications credits
4. a coherent sequence of four credits from 1, 2, or 3.

Endorsement	Career Clusters	Course Name	Local Course Number	State Course Number	Location	Credits
BUSINESS AND INDUSTRY	AGRICULTURE, FOOD AND NATURAL RESOURCES	Business Information Management I*	08826	13011400	AHS/CHS	1
		Principals of Agriculture , Food and Natural Resources	08800	13000200	AHS/CHS	1
		Livestock Production	08714	13000300	AHS/CHS	1
		Veterinary Medical Applications*	08941	13000600	AHS/CHS	1
		Wildlife, Fisheries, and Ecology Management	08715	13001500	AHS/CHS	1
		Agricultural Mechanics & Metal Technologies	08807	13002200	AHS/CHS	1
		Agricultural Structures Design and Fabrication*	08808	13002300	AHS/CHS	1
		Practicum in Agriculture, Food, and Natural Resources*	08809	13002500	AHS	2
		Practicum & Extended Practicum in Agriculture, Food, and Natural Resources*	08944	13002505	AHS	3
	ARCHITECTURE AND CONSTRUCTION	Business Information Management I*	08826	13011400	AHS/CHS	1
		Principles of Construction	08702	13004220	AHS/CHS	1
		Construction Technology I	08812	13005100	AHS/CHS	2
		Construction Technology II*	08813	13005200	AHS/CHS	2
		Electrical Technology I*	08814	13005600	AHS	1
		Electrical Technology II*	08815	13005700	AHS	2
		Practicum in Construction Technology*	08818	13006200	AHS	2
	ARTS, A/V TECHNOLOGY & COMMUNICATIONS	Business Information Management I*	08826	13011400	AHS/CHS	1
		Principles of Information Technology	08863	13027200	AHS/CHS/ ATEMS	1
		Digital Media	08869	13027800	AHS/CHS/ ATEMS	1
		Graphic Design and Illustration I	T8819	13008800	Online TSTC	1
		Project-Based Research-Visual Communications	T8963	12701500	Online TSTC	1
	BUSINESS MANAGEMENT AND ADMINISTRATION	Business Information Management I*	08826	13011400	AHS/CHS	1
		Principles of Business, Marketing and Finance	08917	13011200	AHS/CHS	1
		Business Information Management II*	08827	13011500	AHS/CHS	1
		Business Management*	08830	13012100	AHS/CHS	1
		Global Business*	08829	13011800	AHS/CHS	.5
		Business English	08908	13011600	AHS/CHS	1
		Business Law*	08716	13011700	AHS/CHS	1
		Practicum in Business Management*	08831	13012200	AHS/CHS	2
	FINANCE	Business Information Management I*	08826	13011400	AHS/CHS	1
		Principles of Business, Marketing and Finance	08917	13011200	AHS/CHS	1
		Money Matters	08931	13016200	AHS/CHS	1
		Banking & Financial Services	08717	13016300	AHS/CHS	.5
		Accounting I	08838	13016600	AHS/CHS	1
		Accounting II*	08839	13016700	AHS/CHS	1
		Statistics & Business Decision Making*	08840	13016900	AHS/CHS	1
		Financial Mathematics	08939	1301800	AHS/CHS	1

*Advanced CTE course

Endorsement	Career Clusters	Course Name	Local Course Number	State Course Number	Location	Credits
BUSINESS AND INDUSTRY	HOSPITALITY & TOURISM	Business Information Management I*	08826	13011400	AHS/CHS	1
		Principles of Hospitality and Tourism	08909	13022200	AHS/CHS	1
		Introduction to Culinary Arts	08703	13022550	AHS/CHS	1
		Culinary Arts*	08884	13022600	AHS/CHS	2
		Advanced Culinary Arts*	08946	13022650	AHS/CHS	2
		Practicum in Culinary Arts*	08852	13022700	AHS/CHS	2
	INFORMATION TECHNOLOGY	Business Information Management I*	08826	13011400	AHS/CHS	1
		Principles of Information Technology	08863	13027200	AHS/CHS/ ATEMS	1
		Digital Media	08869	13027800	AHS/CHS/ ATEMS	1
		Web Technologies*	08870	13027900	ATEMS/ online AHS &CHS	1
		Computer Programming I	08867	13027600	ATEMS	1
		Computer Programming II	08868	13027700	ATEMS	1
		Computer Maintenance	08933	13027300	AHS/CHS	1
		Computer Maintenance/Computer Maintenance Lab	08704	13027310	AHS/CHS	2
		Networking*	08865	13027400	AHS/CHS	1
		Computer Technician Practicum*	08866	13027500	AHS/CHS	2
		Practicum in Information Technology	08871	13028000	ATEMS	2
		Project-Based Research-Digital Marketing	08965	12701500	AISD Online	1
		Project-Based Research-Database and Web Programming	08964	12701500	AISD Online	1
	MANUFACTURING	Business Information Management I*	08826	13011400	AHS/CHS	1
		Principles of Manufacturing	08878	13032200	AHS/CHS	1
		Introduction to Welding	08709		CHS	1
		Welding I	08879	13032300	CHS	2
		Welding II*	08880	13032400	CHS	2
		Practicum in Manufacturing*	08883	13033000	CHS	2
	MARKETING	Business Information Management I	08826	13011400	AHS/CHS	1
		Principles of Business, Marketing and Finance	08917	13011200	AHS/CHS	1
		Money Matters	8931	13016200	AHS/CHS	1
		Fashion Design I	08821	13009300	AHS/CHS	1
		Fashion Design II*	08929	13009400	AHS/CHS	1
		Practicum in Fashion Design*	08930	13009500	AHS/CHS	2
		Sports and Entertainment Marketing	08937	13034600	AHS	.5
		Social Media Marketing	08705	13034650	AHS	.5
		Entrepreneurship	08934	13034400	AHS/CHS	1
		Advanced Marketing	08886	13034700	AHS	2
	TRANSPORTATION, DISTRIBUTION & LOGISTICS	Business Information Management I*	08826	13011400	AHS/CHS	1
		Automotive Basics	08706	13039550	AHS	1
		Automotive Technology I: Maintenance & Light Repair*	08932	13039600	AHS	2
		Automotive Technology II: Automotive Service	08896	13039700	AHS	2
		Practicum In Transportation Systems*	08948	13040450	AHS	2

Endorsement	Career Clusters	Course Name	Local Course Number	State Course Number	Location	Credits
Business and Industry	OTHER	Journalism	01131	03230100	AHS/CHS	1
		Advanced Journalism--Yearbook I, II, III	01225; 01325; 01341	03230110; 03230120; 03230130	AHS/CHS	1
		Advanced Journalism: Literary Magazine	01229; 01329; 01429	03230170; 03230180; 03230160	AHS/CHS	1
		Advanced Journalism: Newspaper I, II, III	01263; 01362; 01365	03230140; 03230150; 03230160	AHS/CHS	1
		Public Speaking I, II, III	01255; 01275; 01277	03240900; 03241000; 03241100	AHS/CHS	1
		Debate I, II, III	01246; 01248; 01346	03240600; 03240700; 03240800	AHS/CHS	1
		Oral Interpretation I, II, III	01237; 01261; 01361	03240200; 03240300; 03240400	AHS/CHS	1

Abilene ISD Sample **AGRICULTURE, FOOD & NATURAL RESOURCES** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
_____STEM
__X__Business and Industry
_____Arts and Humanities
_____Public Services
_____*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certifications Available: NCCER Core, OSHA

Graduation Plan--Foundation + Endorsement

Discipline	Credits	____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II for mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-Plan, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	3*		
Science	3*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	7		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as a 3rd or 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2		Algebra I	Geometry	Algebra II	Career and Tech/Dual Credit/Advanced Placement Math	Career and Tech/Dual Credit/Advanced Placement Math
3			Integrated Physics & Chemistry	Biology	Career & Tech Science/Chemistry or Physics	Career and Tech Science/ Chemistry or Physics
4			World History	U. S. History	Government and Economics	Practicum in Agriculture, Food & Natural Resources/Agricultural Mechanics & Metal Technologies
5			Principles of Ag, Food and Natural Resources	Livestock Production/Ag Mechanics and Metal Technology	Wildlife, Fisheries & Ecology Management/Ag Facilities Design and Fabrication/Veterinary Medical Applications	Practicum in Agriculture, Food & Natural Resources/Agriculture Facilities Design & Fabrication
6		Business Information Management	P.E./Athletics/ROTC	Fine Arts/Athletics / Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD Sample **ARCHITECTURE & CONSTRUCTION** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: Grade: Date Initiated: Date(s) Amended:

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
____STEM
__**X**__Business and Industry
____Arts and Humanities
____Public Services
____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certifications Available: NCCER Core, NCCER Electrical, NCCER Carpentry

Graduation Plan--Foundation + Endorsement			
Discipline	**Credits**	**____Distinguished Level of Achievement with Performance Acknowledgment**	
English	4	(Include Algebra II for mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	3*		
Science	3*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	5		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as a 3rd or 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	**7th Grade**	**8th Grade**	**9th Grade**	**10th Grade**	**11th Grade**	**12th Grade**
1			English I	English II	English III	English IV or equivalent course
2		Algebra I	Geometry	Career and Tech/Dual Credit/ Advanced Placement Math	Career and Tech/Dual Credit/ Advanced Placement Math	Career and Tech/Dual Credit/ Advanced Placement Math
3			Integrated Physics & Chemistry	Biology	Career & Tech Science/ Chemistry or Physics	Career and Tech Science/ Chemistry or Physics
4			World History	U. S. History	Government and Economics	Endorsement Elective
5			Principles of Construction	Construction Technology I/ Electrical Technology I	Construction Technology II/ Electrical Technology II	Practicum in Construction Technology
6		Business Information Management	P.E./Athletics/ROTC	Fine Arts/Athletics / Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD Sample **ARTS, A/V TECHNOLOGY & COMMUNICATIONS** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
_____STEM
__X__Business and Industry
_____Arts and Humanities
_____Public Services
____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Graduation Plan--Foundation + Endorsement			
Discipline	**Credits**	**____Distinguished Level of Achievement with Performance Acknowledgment**	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	3*		
Science	3*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	5		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as a 3rd or 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2		Algebra I	Geometry	Career and Tech/Dual Credit/ Advanced Placement Math	Career and Tech/Dual Credit/ Advanced Placement Math	Career and Tech/Dual Credit/ Advanced Placement Math
3			Biology	IPC or Chemistry	Chemistry/Physics/ CTE Science Elective	Science Elective/CTE Science Elective/Advanced Placement/ Dual Credit
4			World History	U. S. History	Government and Economics	Endorsement Elective
5			Principles of Information Technology/Business Information Management II	Principles of Information Technology/Digital Media	Digital Media/ Graphic Design and Illustration	Project-Based Research -Visual Communications
6		Business Information Management	P.E./Athletics	Fine Arts/Athletics / Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD Sample **BUSINESS MANAGEMENT & ADMINISTRATION** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
___STEM
__**X**_Business and Industry
____Arts and Humanities
____Public Services
____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certifications Available: Microsoft Office Specialist (MOS): Word, Excel, and PowerPoint

Graduation Plan--Foundation + Endorsement			
Discipline	**Credits**	**____Distinguished Level of Achievement with Performance Acknowledgment**	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	Any, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	3*		
Science	3*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	5		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as a 3rd or 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2		Algebra I	Geometry	Algebra II or Career and Technical Math	PreCalculus or Advanced Math	Advanced Math or Elective
3			Biology	IPC or Chemistry	Chemistry or Physics/Career and Tech Science	Advanced Placement/Dual Credit/Career and Tech Science
4			World History	U.S. History	Government and Economics	Dual Credit Business/Practicum of Business Management/Business English
5		Business Information Management	Principles of Business, Marketing & Finance/ Business Information Management II	Business Information Management II/ Business Management/ Business Law/Global Business	Business Management/Global Business/Business Law	Dual Credit Business/Practicum of Business Management/Extended Practicum in Business Management/Business English
6			P.E./Athletics/ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD Sample **FINANCE** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
___STEM
__**X**__Business and Industry
___Arts and Humanities
___Public Services
___ (*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certifications Available: Everfi Financial Literacy

Graduation Plan--Foundation + Endorsement			
Discipline	Credits	____**Distinguished Level of Achievement with Performance Acknowledgment**	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	3*		
Science	3*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	5		
Total Credits Required for Graduation:	26*		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as a 3rd or 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2		Algebra I	Geometry	Algebra II or Career & Technical Math	PreCalculus or Advanced Math	Advanced Math or Elective
3			Biology	IPC or Chemistry	Chemistry or Physics/ Career & Tech Science	Advanced Placement/Dual Credit/ Career & Tech Science
4			World History	U.S. History	Government and Economics	Statistics & Business Decision Making
5		Business Information Management	Principles of Business, Marketing & Finance	Money Matters/Banking & Financial Services/Accounting I	Money Matters/Banking & Financial Services/Accounting II/Statistics & Business Decision Making	Practicum in Business Management/Extended Practicum in Business Mgmt.
6			P.E./Athletics/ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD Sample **HOSPITALITY & TOURISM** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
_____STEM
__**X**__Business and Industry
_____Arts and Humanities
_____Public Services
_____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certifications Available: Serv/Safe (through AISD); Certified Culinary Specialist (through TSTC course)

Graduation Plan--Foundation + Endorsement

Discipline	Credits	_____**Distinguished Level of Achievement with Performance Acknowledgment**	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	3*		
Science	3*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	5		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as a 3rd or 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2			Algebra I	Geometry	Algebra II/ Career & Tech Math	Career and Tech/Dual Credit/ Advanced Math
3			Integrated Physics & Chemistry	Biology	Career & Tech Science/Chemistry or Physics	Career and Tech Science/ Chemistry or Physics
4			World History	U. S. History	Advanced Placement/Dual Credit Government and Economics	Endorsement Elective
5		Fine Art	Introduction to Culinary Arts	Culinary Arts	Advanced Culinary Arts	Practicum in Culinary Arts
6		Business Information Management	P.E./Athletics/ROTC	Fine Arts/Athletics / Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD Sample **INFORMATION TECHNOLOGY** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
____STEM
__**X**__Business and Industry
_____Arts and Humanities
_____Public Services
_____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certifications Available: IC3 Certification; Adobe Certified Associate: Photoshop, Flash, Dreamweaver, Illustrator and InDesign; Test Out: PC Pro, Network Pro, Linux Pro and Security Pro

Graduation Plan--Foundation + Endorsement

Discipline	Credits	____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	3*		
Science	3*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	5		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as a 3rd or 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2		Algebra I	Geometry	Algebra II or Career and Technical Math	PreCalculus or Advanced Math	Advanced Math or Elective
3			Biology	IPC or Chemistry	Chemistry or Physics/ CTE Science Elective	Advanced Placement/Dual Credit/Career and Tech Science
4			World History	U. S. History	Government and Economics	Practicum in Technology
5		Business Information Management	Principles of Information Technology	Computer Maintenance/Digital Media	Web Technologies/Computer Programming/Networking	Computer Technician Practicum/ Practicum in Information Technology/Computer Programming II
6			P.E./Athletics/ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Digital Marketing/ Database and Web Programming	Public Speaking and Endorsement Elective

Abilene ISD Sample **MANUFACTURING** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
___STEM
__**X**__Business and Industry
___Arts and Humanities
___Public Services
___(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certifications Available: AWS Entry Level Welder

Graduation Plan--Foundation + Endorsement

Discipline	Credits	____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	3*		
Science	3*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	5		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as a 3rd or 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2			Algebra I	Geometry	Career and Tech/Algebra II	Career and Tech/Dual Credit/ Advanced Placement Math
3			Integrated Physics & Chemistry	Biology	Career & Tech Science/ Chemistry or Physics	Career & Tech Science/ Chemistry or Physics
4			World History	U. S. History	Government and Economics	Endorsement Elective
5		Principles of Manufacturing	Introduction to Welding	Welding I	Welding II	Practicum in Manufacturing
6		Business Information Management	P.E./Athletics/ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD Sample **MARKETING** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
____STEM
__X__Business and Industry
_____Arts and Humanities
_____Public Services
____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Graduation Plan--Foundation + Endorsement

Discipline	Credits	____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	3*		
Science	3*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	5		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2		Algebra I	Geometry	Algebra II or Career & Technical Math	Pre-Calculus or Advanced Math	Calculus/Advanced Math or Elective
3			Biology	IPC or Chemistry	Chemistry or Physics/ CTE Science Elective	Advanced Placement/Dual Credit/Career and Tech Science
4			World History	U. S. History	Government and Economics	Endorsement Elective
5		Business Information Management	Principles of Business, Marketing & Finance	Money Matters/ Fashion Design I/ Sports & Entertainment Marketing/ Social Media Marketing	Money Matters/Fashion Design II/Entrepreneurship	Practicum in Marketing/ Advanced Marketing
6			P.E./Athletics/ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD Sample **TRANSPORTATION, DISTRIBUTION & LOGISTICS** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: Grade: Date Initiated: Date(s) Amended:

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
___STEM
_**X**_Business and Industry
___Arts and Humanities
___Public Services
___(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certifications Available: EPA Section 609 MVAC Technician

Graduation Plan--Foundation + Endorsement			
Discipline	**Credits**	**____Distinguished Level of Achievement with Performance Acknowledgment**	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	3*		
Science	3 *		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	5		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	**7th Grade**	**8th Grade**	**9th Grade**	**10th Grade**	**11th Grade**	**12th Grade**
1			English I	English II	English III	English IV or equivalent course
2			Algebra I	Geometry	Algebra II or Career and Technical Math	Career and Tech/Dual Credit/ Advanced Placement Math or Elective
3			Integrated Physics & Chemistry	Biology	Career & Tech Science/Chemistry or Physics	Career and Tech Science/ Chemistry or Physics
4			World History	U. S. History	Government and Economics	Advanced Automotive Technology/Diesel Mechanics/Aircraft Maintenance/ Practicum in Transportation, Distribution & Logistics
5		Public Speaking	Automotive Basics	Automotive Technology I: Maintenance & Light Repair/ Introduction to Aircraft Technology	Automotive Technology II: Automotive Service /Diesel Mechanics/Aircraft Airframe Technology	Diesel Mechanics/Aircraft Powerplant Technology/ Practicum in Transportation Systems
6		Business Information Management	P.E./Athletics/ ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Endorsement Elective

Postsecondary Options in Agriculture, Food, and Natural Resources:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Agribusiness Management General Agriculture Environmental Science Technology Horticulture Agricultural Pest Management Agricultural Productions Agricultural Technology Fish and Wildlife Environmental Studies Natural Resource and Wildlife Conservation Outdoor Parks and Recreation Landscape Gardening Greenhouse/Grounds Maintenance Biological and Agricultural Engineering	Agribusiness Management Agricultural and Extension Education Crop Science Biological Science Environmental and Molecular Technology Zoology Animal Science Poultry Science Environmental Science Forestry Outdoor Parks and Recreation Natural Resource and Wildlife Conservation Horticulture Science Botany Microbiology Crop Science Biological and Agricultural Engineering Food Science Chemistry	Building Carpentry Technician Commercial or Non-Commercial Pesticide Applicator Licensed Landscape Irrigation Installer Licensed Landscape Irrigator Certified Landscape Technician Meat Processing Certification Outdoor Power Equipment Tech Private Pesticide Applicator Texas Beef Quality Assurance Texas Certified Nursery Professional Texas Master Gardner Certified Veterinary Assistant High School Floral Certification Welding Technician

Postsecondary Options in Architecture and Construction:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Architectural Technology Landscape Architecture Technology Machining Technology Facility Maintenance Technology Insurance Adjuster Construction Management Technology Building Construction Technology Construction Management Technology Carpentry Furniture Production Technology Fine and Creative Woodworking Woodworking	Construction Management Landscape Architecture Industrial/Manufacturing Technology Industrial Design Architectural Engineering Industrial Production Technology Construction/Building Technology Construction Engineering Trade and Industrial Education (Secondary and Postsecondary) Construction Management Industrial Production Technology Wood Science Technology	NCCER Carpentry NCCER Electrical Technician Electrical Apprentice Certified Electronics Technician AutoCAD ADDA Drafter Consumer Electronics Certification (CEC) Roofer Apprentice Associate Electronics Technician Home Builders Institute/National Assn. of Home Builders (multiple crafts)

Postsecondary Options in Business, Management, & Administration

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Business Administration Insurance Office Systems Technology Human Resources Management Information Systems International Business	Advertising Business Administration Business Management Administrative Support Public Administration Management International Business	Adobe Certified Expert (ACE) Certified Internet Webmaster (CIW) Microsoft Office Specialist (MOS) A*S*K – Fundamental Business Concepts

Postsecondary Options in Finance:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Accounting Banking and Finance Business Administration Insurance Human Resources Management Hotel and Restaurant Management	Accounting Banking Finance Public Administration Management Management Information Systems Real Estate Management International Business	Bookkeeping Fundamentals Microsoft Office Specialist (MOS) Certified Bank Teller A*S*K – Concepts of Finance

Postsecondary Options in Hospitality & Tourism:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Culinary Technology Hotel and Restaurant Management Travel and Hospitality	Food, Nutrition, and Food Service Management Culinary Arts Food and Nutrition—Dietetics Food Systems Management	Serv/Safe Manager Certified Culinary Specialist Certified Food Manager

Postsecondary Options in Information Technology:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Desktop Publishing Office Systems Technology Graphic Design Information Systems Computer Repair and Maintenance Web Development Networking Technician	Administrative Support Management Information Systems International Business Computer Science Computer Programming	A+ Computer Technician Certification Adobe Certified Expert (ACE) Certified Internet Webmaster (CIW) Cisco Certified Network Associate (CCNA) IC3 Microsoft Office Specialist (MOS) Network+ Certification Oracle Certified Database Associate C-Tech Microsoft Technology Associate (MTA)

Postsecondary Options in Manufacturing:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Manufacturing Engineering Technology Electrical Power Production Technology Machining Technology Facility Maintenance Technology Welding Technology	Manufacturing Process Engineering Industrial/Manufacturing Technology Industrial Design Industrial Production Technology	Precision Machining Manufacturing Skills Standards Council Certification (MSSC) American Welding Society Welder

Postsecondary Options in Marketing:

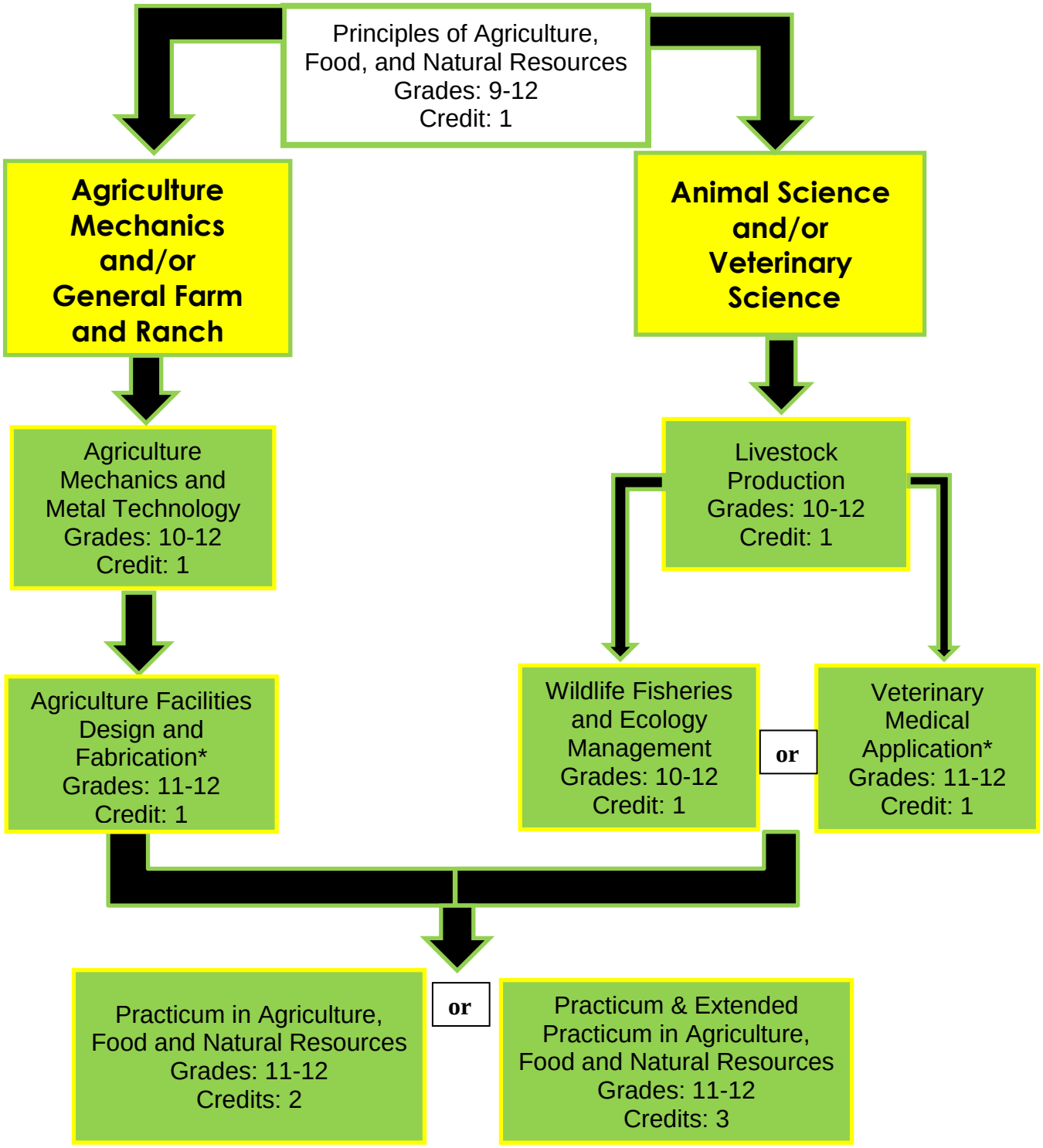
Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Marketing and Retailing Advertising and Graphic Design Fashion Design	Advertising Marketing Merchandising Fashion Merchandising	Certified Customer Service A*S*K – Fundamental Marketing Concepts

Postsecondary Options in Transportation, Distribution, & Logistics:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
GIS/Global Positioning Automotive Systems Technology Motorcycle Mechanics Automotive Parts Sales Representative Insurance Adjuster Wind Energy Technician	Mechanical Engineering Automotive Engineering Automobile Design Energy Plant Management	Automotive Service Excellence (ASE) I-CAR Damage Analysis and Estimating Certification Engine Machinist Parts Specialist Certification

Agriculture, Food, and Natural Resources

Careers in Agriculture, Food & Natural Resources involve planning and managing agriculture, food, fiber, and natural resource systems. They also include the production of agricultural commodities such as food, fiber, wood products, horticultural crops, and other plant and animal products. Other important parts of these careers are: financing, processing, marketing and distribution of agricultural products; farm production, supply and service industries; horticulture and landscaping services; the conservation and use of land and water resources; the development and maintenance of recreational resources operations; and related environmental management services.



*Advanced CTE Course

Agriculture, Food, and Natural Resources

Principles of Agriculture, Food and Natural Resources (PRINAFNR)

Course #: 08800 ***Credits: 1***

PEIMS #: 13000200 ***Grades: 9-12***

This course will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices and expectations. This course may be taken to satisfy the speech credit.

Prerequisites: None

Livestock Production (LIVEPROD)

Course #: 08714 ***Credits: 1***

PEIMS #: 13000300 ***Grades: 10-12***

This course is designed to develop 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. Students will have the opportunity to complete certification in Beef Quality Assurance.

Prerequisites: None

Wildlife, Fisheries, and Ecology Management (WFECGT)

Course #: 08715 ***Credits: 1***

PEIMS #: 13001500 ***Grades: 10-12***

This course is designed to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources.

Prerequisites: None

Agricultural Mechanics and Metal Technologies (AGMECHMT)

Course #: 08807 ***Credits: 1***

PEIMS #: 13002200 ***Grades: 10-12***

This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tools operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques. Students will have the opportunity to complete certification in NCCER Core.

Prerequisites: Principles of Agriculture, Food and Natural Resources Recommended

Agricultural Structures Design and Fabrication* (AGSDF)

Course #: 08808 ***Credits: 1***

PEIMS #: 13002300 ***Grades: 11-12***

In this course students will explore career opportunities, entry requirements, and industry expectations. Students will have the opportunity to complete certification in NCCER Core. This course cannot be entered at mid-term.

Prerequisites: Ag Mechanics and Metal Technologies Recommended

Veterinary Medical Applications* (VETMEDAP)

Course #:08941 ***Credits: 1***

PEIMS #: 13000600 ***Grades: 11-12***

This course covers topics relating to veterinary practices, including practices for large and small animal species.

Prerequisites: Equine Science, Small Animal Management or Livestock Production

*Advanced CTE course

Practicum in Agriculture, Food and Natural Resources*(First Time Taken) (PRACAFNR)

Course #: 08809 ***Credits: 2***

PEIMS #: 13002500 ***Grades: 11-12***

Practicum in Agriculture, Food and Natural Resources* (Second Time Taken)(PRACAFNR2)

Course #:08810 ***Credits: 2***

PEIMS #: 13002510 ***Grades: 12***

This course is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. To prepare for careers in agriculture, food and natural resources, students must attain academic skills and knowledge, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. **A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills. The course is only available at AHS.**

Prerequisites: Minimum age of 16 at time of enrollment, application and teacher approval; recommended a minimum of one credit in Ag, Food & Natural Resources

Practicum & Extended Practicum in Agriculture, Food and Natural Resources*(First time taken) (EXPRAFNR1)

Course #: 08944 ***Credits: 3***

PEIMS #: 13002505 ***Grades: 11-12***

Practicum & Extended Practicum in Agriculture, Food and Natural Resources*(Second time taken) (EXPRAFNR2)

Course #: 08945 ***Credits: 3***

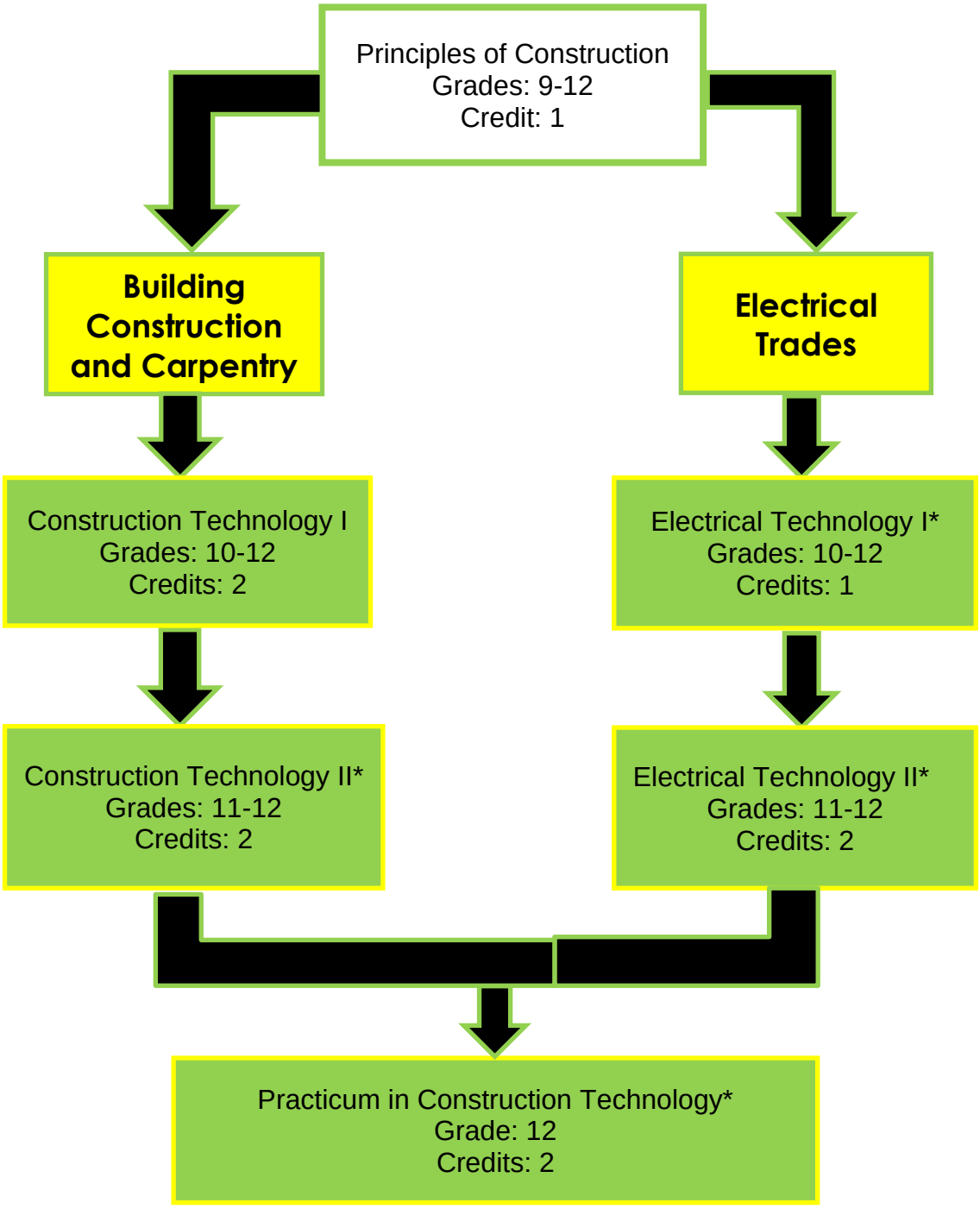
PEIMS #: 13002515 ***Grades: 12***

This course is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. To prepare for careers in agriculture, food and natural resources, students must attain academic skills and knowledge, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. **A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills. The course is only available at AHS.**

Prerequisites: Minimum age of 16 at time of enrollment, application and teacher approval; recommended a minimum of one credit in Ag, Food & Natural Resources

Architecture and Construction

LOOK AROUND YOU. You are likely inside a room in a building, maybe your school. You are in a structure that started with an idea in an architect's head. He or she imagined how tall it would be, how many rooms it would hold, where the walls and doorways would stand. The architect drew up the plans that guided teams of people as they went about constructing the building…..plumbers, electricians, masons, roofers, framers, and so on. And now the building is finished, another team of people manage and maintain it, keeping equipment up and running, the spaces clean and organized, and the windows glistening. These are the people who work in the Architecture & Construction cluster. If you like to design and build things, tinker with tools and technology, or decorate homes and offices with flooring, paint, furniture, and art, then Architecture & Construction could be the right career cluster for you.



*Advanced CTE course

Architecture and Construction

Principles of Construction (PRINCON)

Course #: 08702 ***Credits: 1***

PEIMS #: 13004220 ***Grades: 9-12***

This course is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. For safety and liability considerations, limiting course enrollment to 15 students is recommended. This course also provides communication and occupational skills to assist the student in obtaining and maintaining employment. Students will have the opportunity to complete the NCCER Core certification.

Prerequisites: None

Construction Technology I (CONTECH I)

Course #: 08812 ***Credits: 2***

PEIMS #: 13005100 ***Grades: 10-12***

In this course students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended. Students will have the opportunity to complete the NCCER Carpentry certification. **This course cannot be entered at mid-term and may not be offered on both high school campus, but is open to all AISD students.**

Prerequisites: Principles of Construction Recommended *or* ***NCCER Core Certificate***

Construction Technology II* (CONTECH 2)

Course #: 08813 ***Credits: 2***

PEIMS #: 13005200 ***Grades: 11-12***

In this course students will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians, or supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish-out skills. For safety and liability considerations, limiting course enrollment to 15 students is recommended. Students will have the opportunity to complete the NCCER Carpentry certification. **This course cannot be entered at mid-term and may not be offered on both high school campus, but is open to all AISD students.**

Prerequisites: Construction Technology I

Electrical Technology I* (ELECTEC1)

Course #: 08814 ***Credits: 1***

PEIMS #: 13005600 ***Grades: 10-12***

In this course 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 on 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. Students will have the opportunity to complete certification in NCCER Electrical trades. Hours completed during the course can be transferred to advanced licenses in the industry. **This course is offered on the Abilene High School campus, but is open to all AISD students. This course cannot be entered at mid-term.**

Prerequisites: Principles of Construction or Principles of Architecture and Construction Recommended or NCCER Core Certificate

Electrical Technology II* (ELECTEC2)

Course #: 08815 ***Credits: 2***

PEIMS #: 13005700 ***Grades: 11-12***

In this course 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. Students will have the opportunity to complete certification in NCCER Electrical trades. Hours completed during the course can be transferred to advanced licenses in the industry. **This course is offered on the Abilene High School campus, but is open to all AISD students.** Students cannot enter this course at mid-term.

Prerequisites: Electrical Technology or Electrical Technology I Required; Principles of Construction or Principles of Architecture & Construction Recommended

Practicum in Construction Technology* (PRACCT1)

Course #: 08818 ***Credits: 2***

PEIMS #: 13006200 ***Grades: 12***

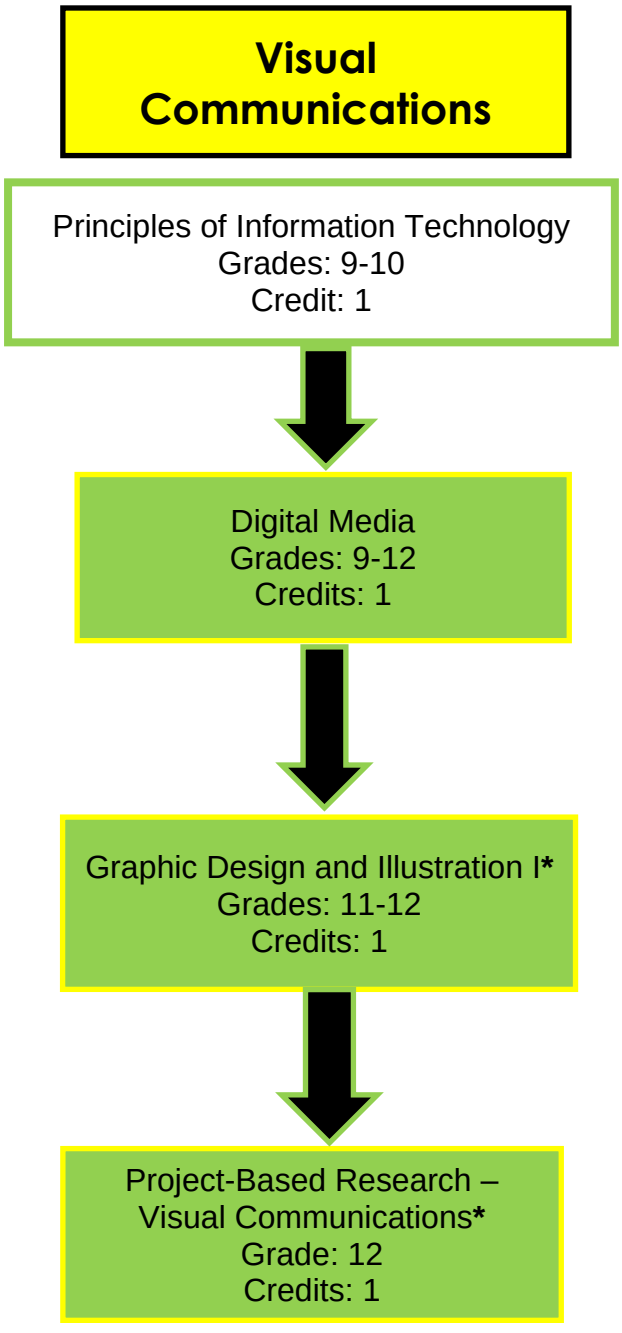
In Practicum in Construction Technology, students will be challenged with the application of gained knowledge and skills from Construction Technology I and II. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved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

Prerequisites: Advanced Construction Technology or Construction Technology I or Advanced Electrical Technology or Electrical Technology II

*Advanced CTE course

Arts, A/V Technology and Communications

Careers in Arts, A/V Technology & Communications involve performing, visual, literacy, and media arts as well as studies in humanities and culture. Those that choose a career in this pathway are able to use their individual talents in many different ways. Careers in this area include direct interaction with people. Such jobs depend on the person's ability to express ideas to others using spoken, written, and non-verbal language. They also include the ability to listen effectively and react appropriately, especially in group situations.



***TSTC Online AISD Computer Lab**

Arts, A/V Technology, and Communications

Some of the courses in this cluster are offered through a partnership with Texas State Technical College West Texas. These classes are dual credit classes that will be offered through an online agreement with TSTC.

Principles of Information Technology (PRINIT)

Course #: 08863 ***Credits: 1***

PEIMS #: 13027200 ***Grades: 9-10***

Students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment. Students will have the opportunity to complete the IC3 certification. This course cannot be entered at mid-term.

Prerequisites: None

Audio Video Production I (AVPROD1)

Course #: 09289 ***Credits: 1***

PEIMS #: 13008500 ***Grades: 10-12***

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 the focus on pre-production, production, and post-production audio and video activities. Students must be 16 years old and have transportation to Shotwell Stadium. **Only offered at Cooper High.**

Prerequisites: Principles of Information Technology

Digital Media (DIMEDIA)

Course #: 08869 ***Credits: 1***

PEIMS #: 13027800 ***Grades: 9-12***

Students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students will enhance reading, writing, computing, communication, and critical thinking and apply them to the IT environment. At ATEMS only, students will have the opportunity to complete the Adobe Photoshop certification. This course cannot be entered at mid-term.

Prerequisites: None

Graphic Design and Illustration I (GRAPHDI1)

Dual Credit TSTC– Online

Course #: T8819 ***Credits: 1***

PEIMS #: 13008800 ***Grades: 11-12***

Graphic design and illustration is an online course with TSTC that will 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.

Prerequisites: Principles of Information Technology recommended

Project-Based Research – Visual Communications (PROBS1)

Dual Credit TSTC– Online

Course #: T8963 ***Credits: 1***

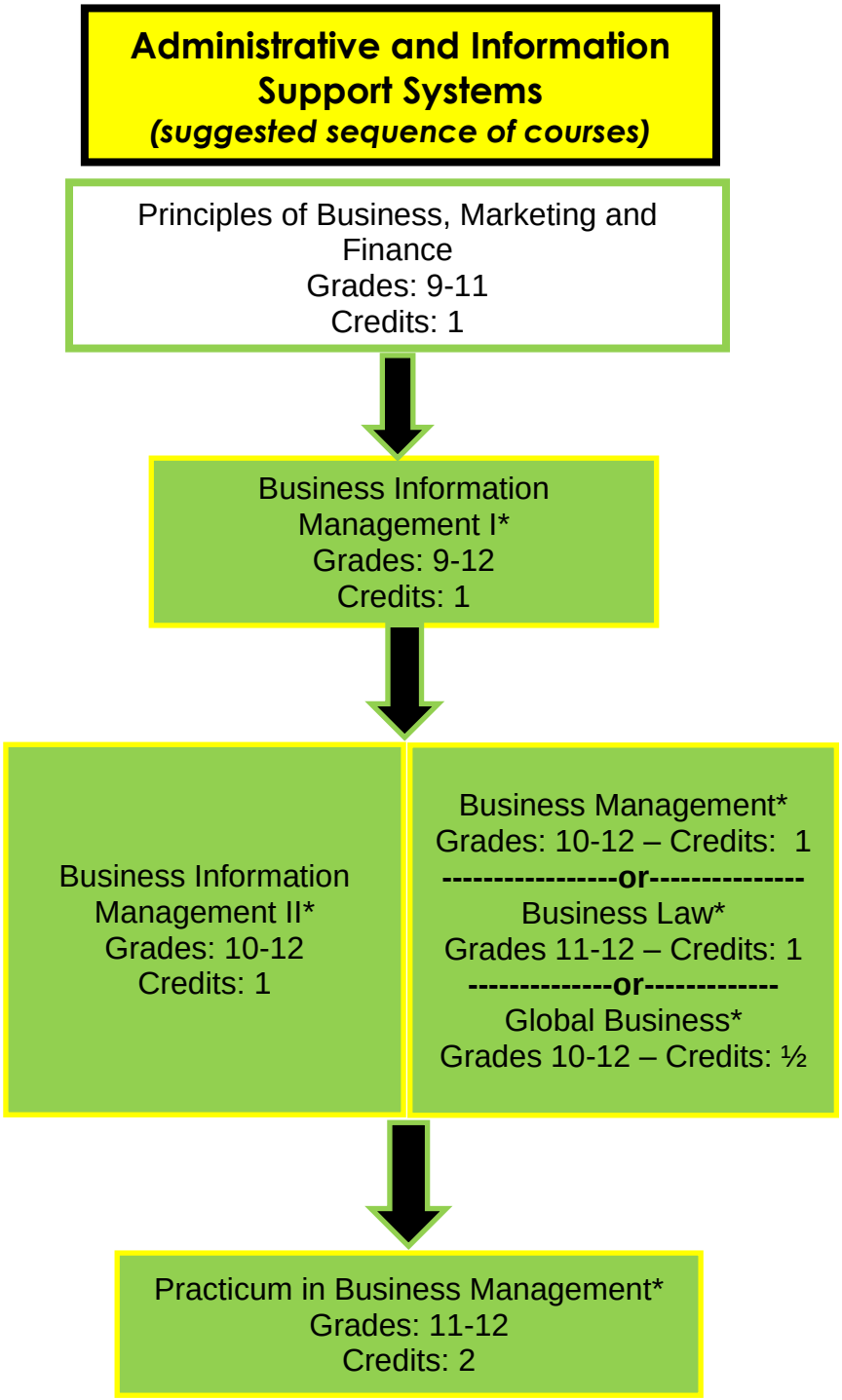
PEIMS #: 12701500 ***Grades: 12***

This course is the end of a sequence for dual credit through TSTC and covers vector graphics and web page design. The course is offered at both high school campuses in an online environment. Students must have taken Graphic Design and Illustration.

Prerequisites: Graphic Design and Illustration I

Business Management and Administration

Careers in these fields provide a broad range of opportunities in the exciting world of business and financial management, including entrepreneurship (owning your own business), sales, marketing, computer information systems, finance, accounting, personnel, economics and management. Within this variety of careers, each has its own activities, opportunities and requirements. While an accountant needs to be organized and is called upon to analyze, process and communicate information concerning financial operations, a fashion merchandiser must be able to plan, promote, buy and sell apparel. Even though these are two different jobs, both require skills in human relations (working with people), management, administration and communication.



*Advanced CTE course

Business Management and Administration

Principles of Business, Marketing, and Finance (PRINBMF)

Course #: 08917 ***Credits: 1***

PEIMS #: 13011200 ***Grades: 9-11***

In this course students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. The 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.

Prerequisites: None

Business Information Management I* (BUSIM1)

Course #: 08826 ***Credits: 1***

PEIMS #: 13011400 ***Grades: 9-12***

In this course students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software. Students will the opportunity to complete the Microsoft Office Specialist (MOS) exam for Word certification. This course cannot be entered at mid-term.

Prerequisites: None

Business Information Management II* (BUSIM2)

Course #: 08827 ***Credits: 1***

PEIMS #: 13011500 ***Grades: 10-12***

In this course 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 have the opportunity to complete the Microsoft Office Specialist (MOS) exam for Excel and PowerPoint certifications. This course cannot be entered at mid-term.

Prerequisites: Business Information Management I

Business Law* (BUSLAW)

Course #: 08716 ***Credits: 1***

PEIMS #: 13011700 ***Grades: 11-12***

Business Law is designed for students to analyze various aspects of the legal environment, including ethics, the judicial system, contracts, personal property, sales, negotiable instruments, agency and employment, business organization, risk management, and real property.

Prerequisites: None

*Advanced CTE course

Global Business *(GLOBBUS)

Course #: 08829 ***Credits: ½***

PEIMS #: 13011800 ***Grades: 10-12***

This course is designed for students to analyze global trade theories, international monetary systems, trade policies, politics, and laws relating to global business as well as cultural issues, logistics, and international human resource management.

Prerequisites: None

Business Management* (BUSMGT)

Course #: 08830 ***Credits: 1***

PEIMS #: 13012100 ***Grades: 10-12***

Business Management is designed to familiarize students with the concepts related to business management as well as the functions of management, including planning, organizing, staffing, leading, and controlling. Students will also demonstrate interpersonal and project-management skills. Students will have the opportunity to complete the Everfi Financial Literacy certification. This course cannot be entered at mid-term.

Prerequisites: None

Project-Based Research – Office Software Management (PROBS1)

Dual Credit – online

Course #: T8962 ***Credits: 1***

PEIMS #: 12701500 ***Grade: 12***

Office Software Management is the second year of sequence offered by TSTC. This is an **online** course taught on the two high school campuses, but offered for dual credit. The course will deal with presentation software such as PowerPoint and using other types of integrated applications.

Prerequisites: Business Information Management II

Practicum in Business Management* (PRACBM)

Course #: 08831 ***Credits: 2***

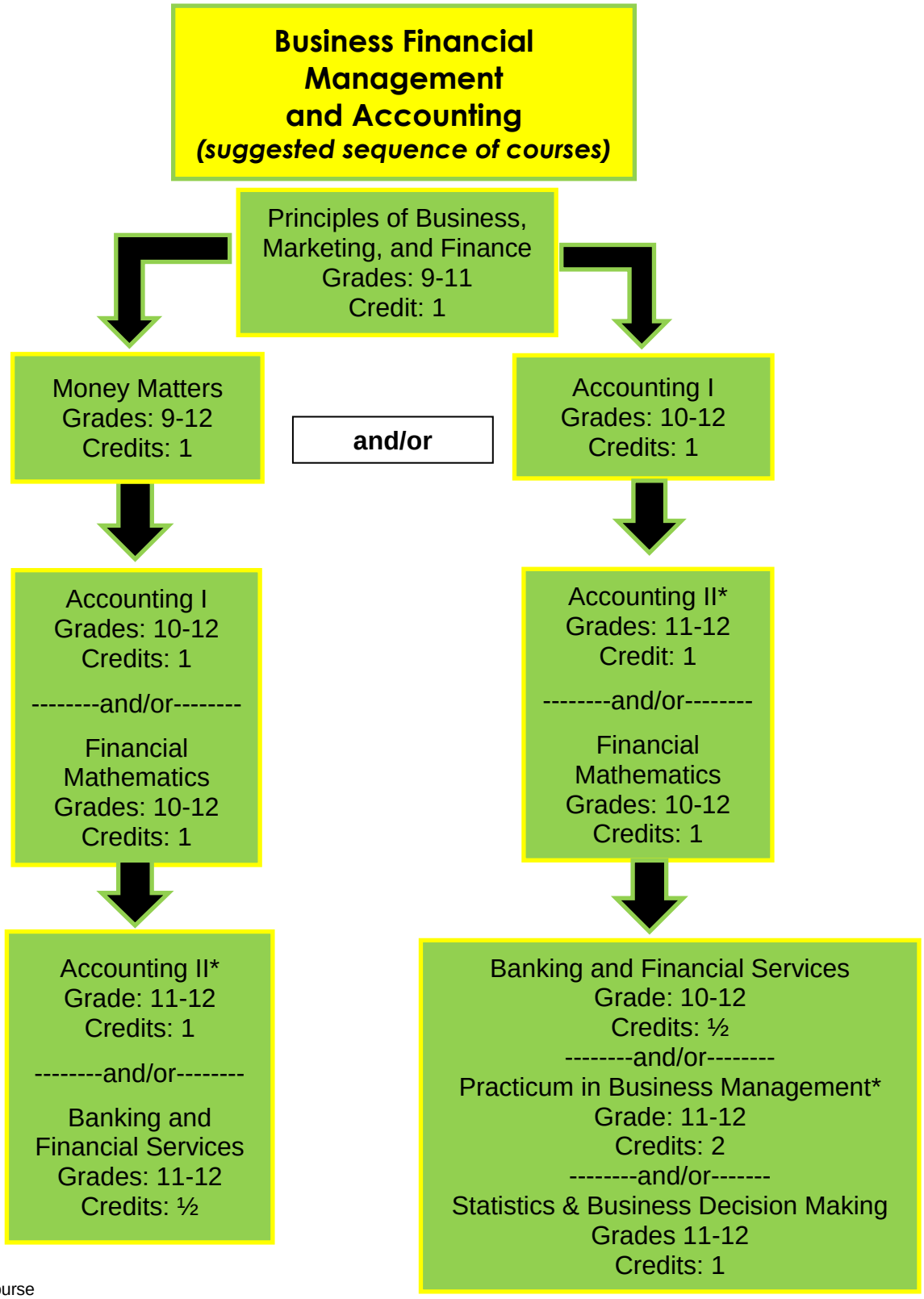
PEIMS #: 13012200 ***Grades: 11-12***

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 postsecondary education, Students apply technical skills to address business application of emerging technologies, students develop a foundation in the economics, 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. Students will have the opportunity to complete a certification Microsoft Office Specialist certification. **A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills.**

Prerequisites: Business Management Recommended

Finance

MONEY MAKES THE WORLD GO ROUND…. AND THERE IS PLENTY OF IT IN TEXAS. In fact, if our state were its own country, it would be the 10th-largest economy in the world, ranking right between Spain and South Korea. There are about 750 banks in Texas and thousands more brokerage, financial-service, insurance, and accounting firms. Professionals who work in these companies manage investments and make loans, pay for storm damage, sell bonds and stock ATMs with cash, and more. If you are good with numbers, want to play the stock market, or enjoy working with the public, then Finance could be the right career cluster for you.



*Advanced CTE course

Finance

Principles of Business, Marketing, and Finance (PRINBMF)

Course #: 08917 ***Credits: 1***

PEIMS #: 13011200 ***Grades: 9-11***

In this course students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. The 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.

Prerequisites: None

Money Matters (MONEYM)

Course #08931 ***Credits: 1***

PEIMS #: 13016200 ***Grades: 9-12***

In this course, students will investigate money management from a personal financial perspective. Students will apply critical-thinking skills necessary to establish short-term and long-term financial goals. Students will examine various methods of achieving short-term and long-term financial goals through various methods such as investing, tax planning, asset allocating, risk management, retirement planning, and estate planning. This course may be entered at semester.

Prerequisites: Principles of Business, Marketing, and Finance recommended

Accounting I (ACCOUNT1)

Course #: 08838 ***Credits: 1***

PEIMS #: 13016600 ***Grades: 10-12***

Students will investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, social, legal, and ethical factors. Students will reflect on this knowledge as they engage in the process or recording, classifying, summarizing, analyzing, and communicating accounting information. Students will formulate and interpret financial information for use in management decision making. This course cannot be entered at mid-term.

Prerequisites: Principles of Business, Marketing, and Finance recommended

Accounting II *(ACCOUNT2)

Course #: 08839 ***Credits: 1***

PEIMS #: 13016700 ***Grades: 11-12***

Students will continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students will reflect on this knowledge as they engage in various managerial and cost accounting activities. Students will formulate and interpret financial information for use in management decision making. Students will use equations, graphical representations, accounting tools, spreadsheet software, and accounting systems in real-world situations to maintain, monitor, control, and plan the use of financial records. Students will have the opportunity to complete the Everfi Financial Literacy certification. This course cannot be entered at mid-term.

Prerequisites: Accounting I

Banking and Financial Services (BANKFIN)

Course #: 08717 ***Credits: ½***

PEIMS #: 13016300 ***Grades: 10-12***

Students will develop knowledge and skills in the economic, financial, technological, international, social, and ethical aspects of banking to become competent consumers, employees, and entrepreneurs. Students will incorporate a broad base of knowledge that includes the operations, sales, and management of banking institutions to gain a complete understanding of how banks function within society.

Prerequisites: Principles of Business, Marketing and Finance recommended

Financial Mathematics (FINMATH)

Course #: 08939 ***Credits: 1***

PEIMS #: 13018000 ***Grades: 10-12***

This course 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.

Prerequisites: Algebra 1

Statistics And Business Decision Making* (STATSBDM)

Course #: 08840 ***Credits: 1***

PEIMS #: 13016900 ***Grades: 11-12***

This course in an introduction to statistics and the application of statistics to business decision making. Students will use statistics to make business decisions and will determine appropriateness of methods used to collect data to ensure conclusions are valid.

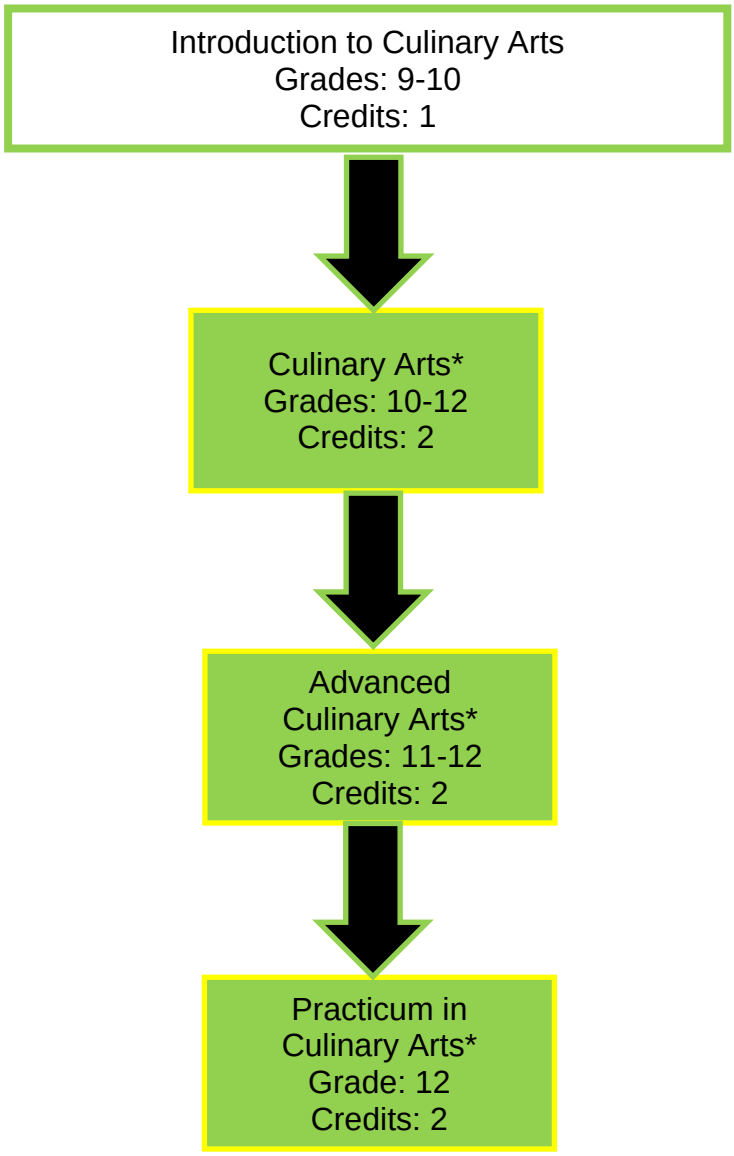
Prerequisites: Algebra II

*Advanced CTE course

Hospitality and Tourism

TEXAS IS A TOP TOURIST DESTINATION. People from around the globe come here to visit attractions such as the Alamo, Six Flags Over Texas, and Padre Island National Seashore…..all ranked among the top draws for tourists in the state. Untold millions enjoy our wealth of hotels, restaurants, theaters, museums, zoos, aquariums, rodeos, campgrounds, state and national parks, racetracks, cruises, and more. The job of keeping all those people happy falls to workers in Hospitality & Tourism. Whether chefs, or concierges, travel agents or tour guides, park rangers or players for sports teams, the professionals in this cluster are expert at pleasing the public. If you want to see the world, enjoy serving others, or dream of opening a restaurant of bed and breakfast someday, then Hospitality & Tourism may be the right cluster for you.

Culinary Arts



*Advanced CTE course

Hospitality and Tourism

Principles of Hospitality and Tourism (PRINHOSP)	
Course #: 08909	***Credits: 1***
PEIMS #: 13022200	***Grades: 9-11***
The hospitality and tourism industry encompasses lodging; travel and tourism; recreation, amusements, attractions, and resorts; and restaurants and food beverage service. The hospitality and tourism industry maintains the largest national employment base in the private sector. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.	
Prerequisites: None	

Culinary Arts* (CULARTS)	
Course #: 08884	***Credits: 2***
PEIMS #: 13022600	***Grades: 10-12***
Culinary Arts begins with the fundamentals and principles of the art of cooking and the science or baking and includes management and production skills and techniques. Students can pursue a national sanitation certification (ServSafe) or other appropriate industry certifications. This course is offered as a laboratory-based course.	
Prerequisites: Principles of Hospitality and Tourism or Introduction to Culinary Arts recommended	

Advanced Culinary Arts* (ADCULART)	
Course #: 08946	***Credits: 2***
PEIMS #: 13022650	***Grades: 11-12***
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.	
Prerequisites: Culinary Arts	

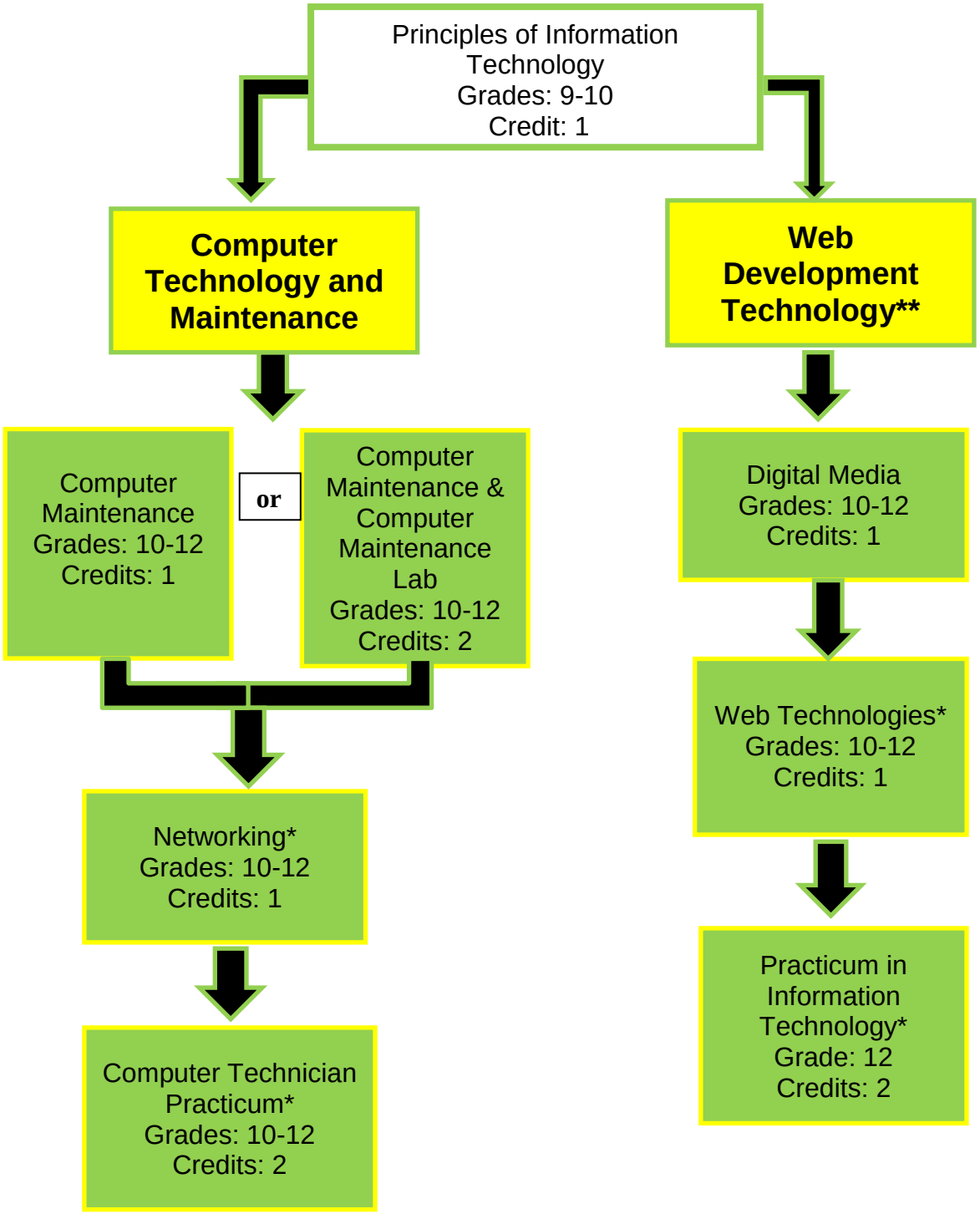
Practicum in Culinary Arts* (PRACCUL1)	
Course #: 08852	***Credits: 2***
PEIMS #: 13022700	***Grade: 11-12***
This course is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. The practicum course 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.	
Prerequisites: Culinary Arts	

*Advanced CTE course

Introduction to Culinary Arts* (INCULART)	
Course #: 08703	***Credits: 1***
PEIMS #: 13022550	***Grades: 9-10***
This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into food productions 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.	
Prerequisites: None	

Information Technology

TEXAS IS THE HEART AND SOUL OF THE INFORMATION TECHNOLOGY REVOLUTION. Our state is home to world-class high-tech companies such as Texas Instruments, Dell, and Advanced Microsystems. Countless smaller firms create computer games, set up custom networks, service computer equipment, or develop and manage websites. In fact, every business in Texas needs IT expertise, either from in-house staff or from outside vendors. Keeping electronic data flowing takes both technical expertise and problem-solving savvy. If you are good at grasping technology works, have an idea for a new website or computer game, or want a career that is always changing, then Information Technology may be the right cluster for you.



*Advanced CTE course
**Sequence available at ATEMS only
***Online in AISD Computer Lab-Dual Enrollment TSTC

Information Technology

Principles of Information Technology (PRINIT)

Course #: 08863 ***Credits: 1***

PEIMS #: 13027200 ***Grades: 9-10***

Students will develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students will enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment. Students will have the opportunity to complete the IC3 certification. This course cannot be entered at mid-term.

Prerequisites: None

Computer Maintenance (COMPMTN)

Course #: 08933 ***Credits: 1***

PEIMS #: 13027300 ***Grades: 10-12***

Students acquire knowledge of computer maintenance and creating appropriate documentation. Students will analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as related to computer maintenance. Students will apply technical skills to address the IT industry and emerging technologies. Students will have the opportunity to complete the TestOut PC Pro certification. This course cannot be entered at mid-term.

Prerequisites: Principles of Information Technology recommended

Computer Maintenance & Computer Maintenance Lab (COMMTLAB)

Course #: 08704 ***Credits: 2***

PEIMS #: 13027310 ***Grades: 10-12***

Students acquire knowledge of computer maintenance and creating appropriate documentation. Students will analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as related to computer maintenance. Students will apply technical skills to address the IT industry and emerging technologies. Students will have the opportunity to complete the TestOut PC Pro certification. This course cannot be entered at mid-term.

Prerequisites: Principles of Information Technology recommended

Networking* (NETWRK)

Option for Dual Credit

Course #: 08865 ***Credits: 1***

PEIMS #: 13027400 ***Grades: 10-12***

Students will develop knowledge of the concepts and skills related to data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Students will have the opportunity to complete the TestOut Network Pro certification.

Prerequisites: Principles of Information Technology, Computer Maintenance, and Computer Maintenance Lab recommended

*Advanced CTE course

Digital Media (DIMEDIA)

Course #: 08869 ***Credits: 1***

PEIMS #: 13027800 ***Grades: 10-12***

Students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students will enhance reading, writing, computing, communication and critical thinking and apply them to the IT environment.

Prerequisites: Principles of Information Technology recommended

Project-Based Research – Digital Marketing (PROBS1)

Dual Credit – Online

Course #: T8965 ***Credits: 1***

PEIMS #: 12701500 ***Grades: 11-12***

Digital Marketing is the second year of sequence offered by TSTC. This is an **online** course taught on the two high school campuses, but offered for dual credit. The course will deal with digital signs and how they are programmed and used as a marketing tool in today's society. This course follows the course Digital and Interactive Media.

Prerequisites: Digital and Interactive Media

Web Technologies* (WEBTECH)

Course #: 08870 ***Credits: 1***

PEIMS #: 13027900 ***Grades: 10-12***

In Web Technologies, students will learn to make informed decisions and apply the decisions to the field of IT. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students will enhance reading, writing, computing, communication, and critical thinking and apply them to the IT environment. **This course is only offered at ATEMS.**

Prerequisites: Principles of Information Technology recommended

Computer Technician Practicum* (COMPT1)

Course #: 08866 ***Credits:2***

PEIMS #: 13027500 ***Grades: 10-12***

Students will gain knowledge and skills in the area of computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce, apply, and transfer their knowledge and skills to a variety of settings and problems. Proper use of analytical skills and application of information technology concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted either in a classroom setting with an instructor, with an industry mentor, or both. Students will have the opportunity to complete the TestOut Security Pro certification.

Prerequisites: Principles of Information Technology, Computer Maintenance, Computer Maintenance Lab, Networking and Networking Lab recommended.

Project-Based Research – Database And Web Programming (PROBS2)	
Dual Credit – Online	
Course #: T8964	***Credits: 1***
PEIMS #: 12701510	***Grade: 11-12***
Database and Web Programming is the second year of sequence offered by TSTC. This is an **online** course taught on the two high school campuses, but offered for dual credit. The course will deal with programming web pages and the use of oracle as it relates to web design and programming. This course follows the course Web Technologies	
Prerequisites: Web Technologies or concurrent enrollment	

Computer Programming I (COMPPRO1)	
Course #: 08867	***Credits: 1***
PEIMS #: 13027600	***Grade: 10-12***
In this course students will acquire knowledge of structured programming techniques and concepts appropriate to developing executable programs and creating appropriate documentation. Students will analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as related to computer programming. Students will apply technical skills to address business applications of emerging technologies.	
Prerequisites: Recommended Principles of Information Technology and Algebra 1	

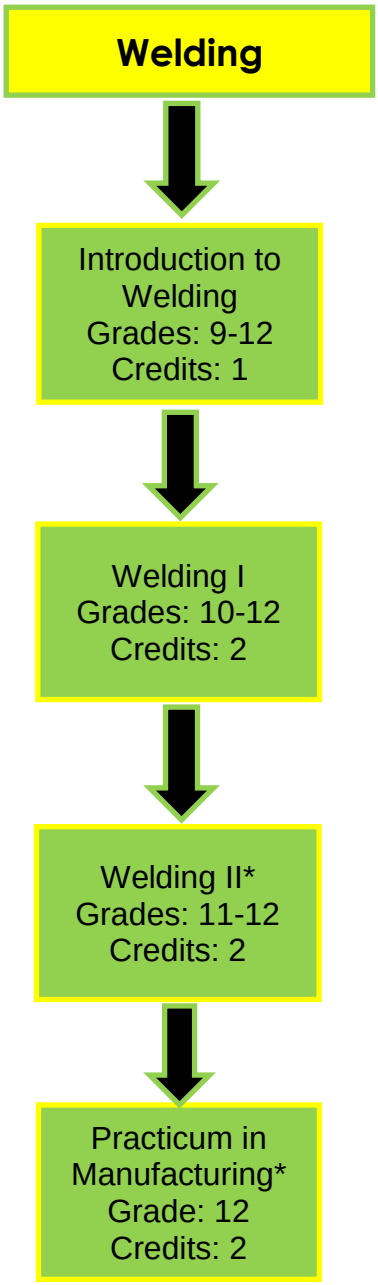
Computer Programming II* (COMPPRO2)	
Course #: 08868	***Credits: 1***
PEIMS #: 13027700	***Grade: 11-12***
In this course, students will expand their knowledge and skills in structured programming techniques and concepts by addressing more complex problems and developing comprehensive programming solutions. Students will analyze the social responsibility of business and industry regarding the significant issues relating to environment, ethics, health, safety, and diversity in society and in the workplace as related to computer programming. Students will apply technical skills to address business applications of emerging technologies.	
Prerequisites: Recommended Principles of Technology and Computer I	

*Advanced CTE course

Practicum in Information Technology (PRACIT1)	
Course #: 08871	***Credits: 2***
PEIMS #: 13028000	***Grade: 12***
Students gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid or paid internship, as part of a capstone project or as career preparation.	
Prerequisites: A minimum of two high school information technology (IT) courses required.	

Manufacturing

MANUFACTURING IS MAKING THINGS. Raw materials become products such as cars, computer chips, cell phones, contact lenses, cosmetics, clothes and more. Employees who create those products range from production-line workers in factories assembling parts to executives in skyscrapers overseeing global operations. Repetitive tasks that typically occur in manufacturing are being performed by robots and the automation process, which requires highly trained employees that can adapt to a variety of situations. Manufacturing today needs people who can understand highly technical information and make complex decisions. Workers are responsible for creative problem solving that ensures companies meet the highest quality standards. If you like building things, can follow detailed instructions, or are good at organizing people and processes, then Manufacturing could be the right career cluster for you.



*Advanced CTE course

Manufacturing

Introduction to Welding (INTRWELD)

Course #: 08709 ***Credits: 1***

PEIMS #: 13032250 ***Grades: 9-12***

This course will provide an introduction to welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory, 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.

Prerequisites: Recommended prerequisite or corequisite Algebra 1

Welding I (WELD1)

Course #: C8879 ***Credits: 2***

PEIMS #: 13032300 ***Grades: 10-12***

This course 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 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. **This course is offered on the Cooper High School and Woodson CE campuses but is open to all AISD students.**

Prerequisites: Algebra 1 recommended, Principles of Manufacturing or Introduction to Welding recommended

Welding II* (WELD2)

Course #: C8880 ***Credits: 2***

PEIMS #: 13032400 ***Grades: 11-12***

Welding II builds on the knowledge and skills developed in Welding I. students will develop advanced welding concepts and skills as 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 a variety of settings and problems. Students will have the opportunity to complete the American Welding Society Sense certification. **This course is offered on the Cooper High School and Woodson CE campuses but is open to all AISD students.**

Prerequisites: Welding I required; Algebra I or Geometry recommended

Practicum in Manufacturing* (PRACMAN1)

Course #: 08883 ***Credits: 2***

PEIMS #: 13033000 ***Grades: 12***

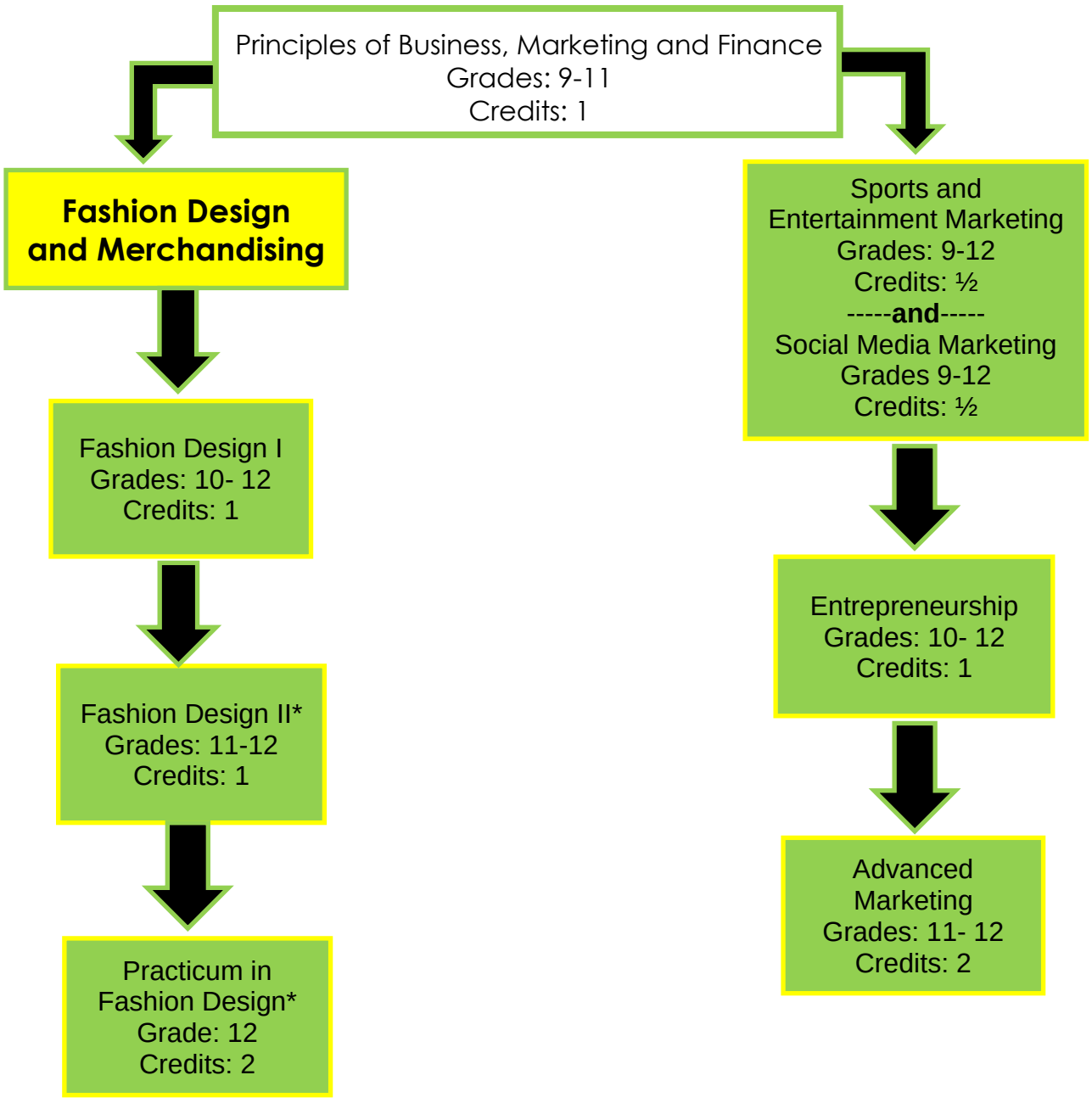
The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the manufacturing cluster. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

Prerequisites: Welding II recommended

*Advanced CTE course

Marketing

BUILDING A CAREER IN THE BOOMING FIELD OF MARKETING, SALES & SERVICE STARTS WITH SELLING YOU. You need to think of yourself as a "product" and define the features and benefits that will attract your "customers".....the employers that might hire you. Your resume is like an advertisement telling your story clearly and compellingly by detailing the education, experience, and skills you have that qualify you for the job. Then, with persistence, comes an interview, during which you have to dress to impress, speak and listen well, and show that you can be a valuable member of the organization's team. Finally, you need to close the deal by following up with a thank-you note that makes a positive impact on the hirer. If you want to learn how to package yourself for success, sell any type of product or service, or serve all kinds of customers, then Marketing may be the right cluster for you.



*Advanced CTE course

Marketing

Principles of Business, Marketing, and Finance (PRINBMF)

Course #: 08917 ***Credits: 1***

PEIMS #: 13011200 ***Grades: 9-11***

In this course students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. The 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.

Prerequisites: None

Fashion Design 1 (FASHDSN1)

Course #: 08821 ***Credits: 1***

PEIMS #: 13009300 ***Grades: 10-12***

Careers in fashion span all aspects of the textile and apparel industries. Within this context, student will be expected to develop an understanding of the fashion industry with an emphasis on design and construction. Fashion Design 1 and Fashion Design 1 Lab need to be taken concurrently.

Prerequisites: Principles of Art, AV Technology and Communications recommended; Recommended corequisite: Fashion Design I lab

Fashion Design II* (FASHDSN2)

Course #: 08929 ***Credits: 1***

PEIMS #: 13009400 ***Grades: 11-12***

Careers in fashion span all aspects of the textile and apparel industries. Within this context, student will be expected to develop an understanding of the fashion industry with an emphasis on design and construction.

Prerequisites: Fashion Design I; Recommended corequisite: Fashion Design II Lab

Practicum in Fashion Design* (PRACFAS1)

Course #: 08930 ***Credits: 2***

PEIMS #: 13009500 ***Grades: 12***

Careers in fashion span all aspects of the textile and apparel industries. Within this context, students will be expected to develop an advanced technical understanding of the business aspects of fashion, with emphasis on promotion and retailing. 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 paid or unpaid experience for students participating in a coherent sequence of career and technical education courses in the Marketing cluster.

Prerequisites: Fashion Design II and Fashion Design II Lab

Sports and Entertainment Marketing (SPORTSEM)

Course #: 08937 ***Credits: ½***

PEIMS #: 13034600 ***Grades: 9-12***

This course will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and entertainment. The areas this course will cover include basic marketing concepts, publicity, sponsorship, endorsements, licensing, branding, event marketing, promotions, and sports and entertainment marketing strategies.

Prerequisites: Principles of Business, Marketing & Finance recommended

Social Media Marketing

Course #: 08705 ***Credits: ½***

PEIMS #: 13034650 ***Grades: 9-12***

This course 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.

Prerequisites: Principles of Business, Marketing & Finance recommended

Entrepreneurship (ENTREP)

Course #: 08947 ***Credits: 1***

PEIMS #: 13034400 ***Grades: 10-12***

In this course students will the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students will understand the capital required, the return on investment desired, and the potential for profit. Students will receive elective credit with successful completion of this course. This course may be applied toward any of the five graduation plan endorsements.

Prerequisites: Principles of Business, Marketing and Finance Recommended

Advanced Marketing (ADVMKTG)

Course #: 08886 ***Credits: 2***

PEIMS #: 13034700 ***Grades: 11-12***

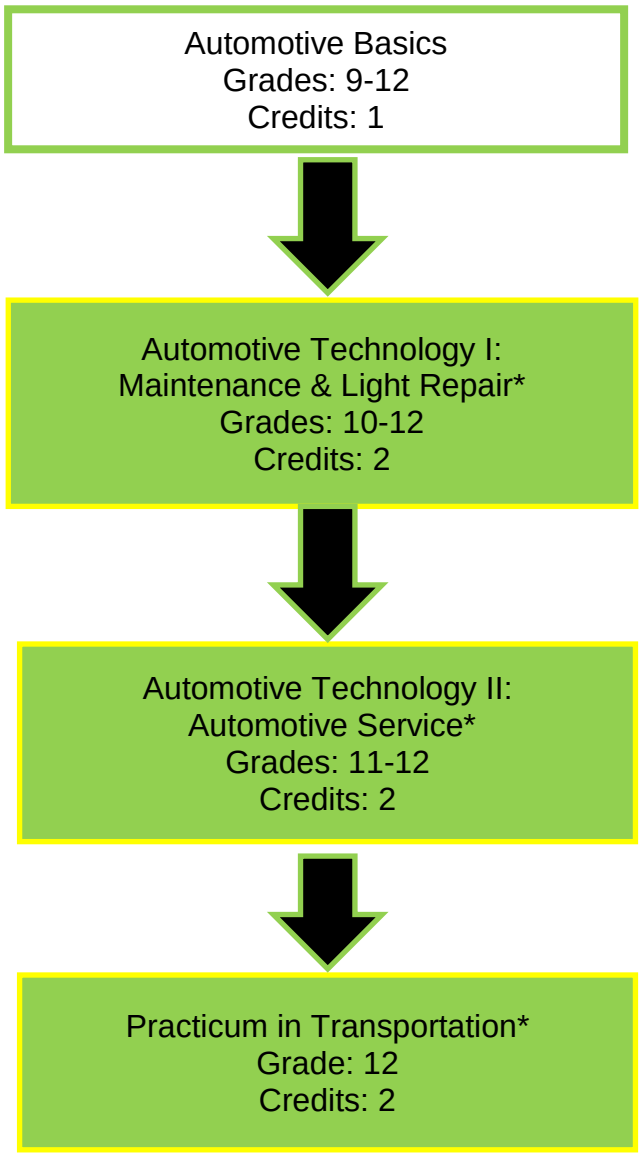
In this course, students will gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to solve problems related to marketing. This course covers technology, communication, and customer-service skills.

Prerequisites: One credit from the courses in the Marketing Career Cluster

Transportation, Distribution, and Logistics

TEXAS IS ON THE MOVE. Every day, everywhere in the northern, southern, eastern, and western parts of the state, people and products travel hundreds of thousands of miles of roads, waterways, railroad tracks, and air routes……all because of those who work in Transportation, Distribution & Logistics. These professionals are responsible for ensuring that all the properly maintained vehicles and the right plans are in place so that everyone and everything gets to the right place on time at the lowest possible cost. They are experts at planning and project management, increasingly using technology such as Global Positioning System (GPS) satellites and Radio Frequency Identification (RFID) tags to track the location of shipments. If you are a mover and shaker, have a talent for organization, or yearn to see new places, then Transportation, Distribution & Logistics could be the right career cluster for you.

Automotive



*Advanced CTE course

Transportation, Distribution, and Logistics

Automotive Basics (AUTOBASC)

Course #:08706 ***Credits 1***

PEIMS #:13039550 ***Grades:9-12***

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. The course includes applicable safety and environmental rules and regulations. 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. **This course is offered at Abilene High only but is open to all AISD students.**

Prerequisites: None

Automotive Technology 1: Maintenance and Light Repair* (AUTOTEC1)

Course #: 08895 ***Credits: 2***

PEIMS #:13039600 ***Grades:9-12***

This course includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. This course includes applicable safety and environmental rules and regulations. 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. **This course is offered at Abilene High only but is open to all AISD students.**

Prerequisites: Principles of Transportation, Distribution, and Logistics or Automotive Basics recommended

Automotive Technology II: Automotive Service* (AUTOTEC2)

Course #: 08896 ***Credits: 2***

PEIMS #: 13039700 ***Grades: 11-12***

This course includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. The course 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. Students will have the opportunity to complete the Section 609 MVAC Technician certification. **This course is offered at Abilene High only but is open to all AISD students.**

Prerequisites: Automotive Technology or Automotive Technology I: Maintenance and Light Repair

Practicum in Transportation Systems (PRACTRS1)

Course #: 08948 ***Credits: 2***

PEIMS #: 13040450 ***Grades: 12***

This course 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 internship, mentorships, independent study, or laboratories. The Practicum can be either school-lab based or work-based. **This course is offered at Abilene High only but is open to all AISD students.**

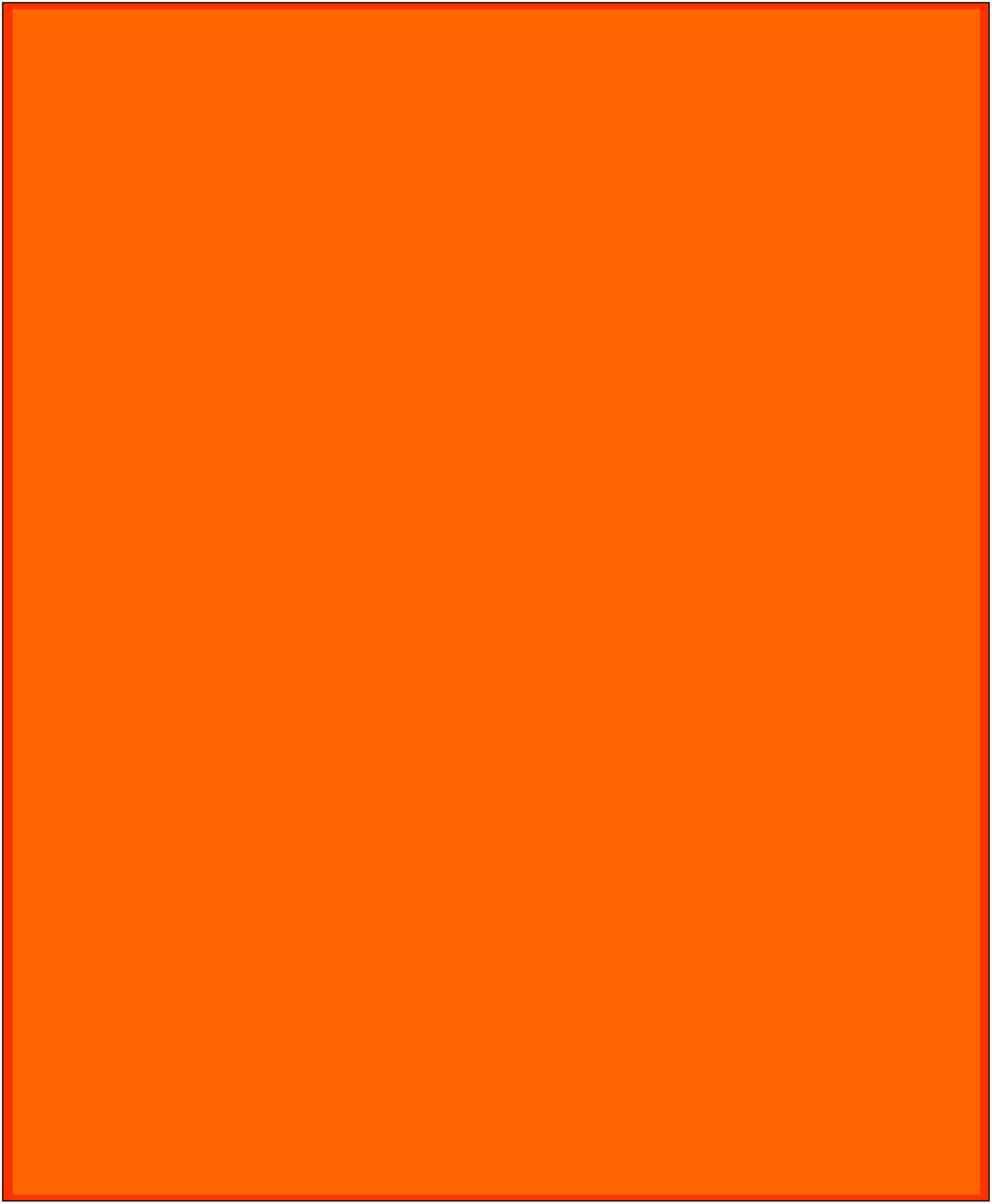
Prerequisites: Advanced Automotive Technology recommended or Automotive Technology II: Automotive Service

Public Services Endorsement

Subject to State Board of Education approval and updates:

A student may earn a Public Services Endorsement by completing the following requirements:

1. a coherent sequence of courses for four or more credits in CTE that consists at least two courses in the same career cluster, including at least one advanced CTE course which includes any course that is the third of higher course in a sequence. The final course in the sequence must be selected from one of the CTE career clusters listed in the following:
    - Education and Training
    - Government and Public Administration
    - Health Science
    - Human Services
    - Law, Public Safety, Corrections and Security; or
2. four credits in Junior Reserve Officer Training Corps (JROTC)



Endorsement	Career Clusters	Course Name	Local Course Number	State Course Number	Location	Credits
PUBLIC SERVICE	EDUCATION & TRAINING	Business Information Management I*	08826	13011400	AHS/CHS	1
		Principles of Education & Training	08833	13014200	AHS/CHS	1
		Human Growth & Development	08936	13014300	AHS/CHS	1
		Instructional Practices*	08835	13014400	AHS/CHS	2
		Practicum in Education & Training*	08836	13014500	AHS/CHS	2
	GOVERNMENT & PUBLIC ADMINISTRATION	Business Information Management I*	08826	13011400	AHS/CHS	1
		Advanced Placement or Dual Credit Political Science Courses	07403	A3330100	AHS/CHS	1
		Advanced Placement or Dual Credit Economics	07304	A3310200	AHS/CHS/ ATEMS	1
		Psychology	07281	03350100	AHS/CHS/ ATEMS	.5
		Sociology	07391	03370100	AHS/CHS/ ATEMS	.5
		Interpersonal Studies	08905	13024400	AHS/CHS	.5
		ROTC I, II, III, IV	PE cr-04910; 09161; 09263; 09265; 09367	PES00004; 03160100; 03160200; 03160300; 03160400	AHS/CHS	1 each
	HEALTH SCIENCE	Business Information Management I*	08826	13011400	AHS/CHS	1
		Medical Terminology*	08707	13020300	AHS/CHS	1
		Principles of Health Science	08841	13020200	AHS/CHS	1
		Health Science Theory/Health Science Clinical-Diversified Healthcare Skills	8955	13020410	Holland	2
		Health Science Theory/Health Science Clinical-Certified Nurse Aide	8956	13020410	Holland	2
		Practicum in Health Science - Dental Assistant*	08927	13020510	Holland	2
		Practicum in Health Science - Medical Assistant*	08915	13020510	Holland	2
		Practicum in Health Science - Pharmacy Technician*	08914	13020510	Holland	2
		Medical Microbiology*	08708	13020700	Holland	1
		Anatomy and Physiology*	08847	13020600	AHS/CHS/ Holland	1
		Project-Based Research-Research &Design	08957	12701500	Holland	1
		Project-Based Research-Phlebotomy	08950	12701500	Holland	1
		Health Education	04201	03810100	AHS/CHS	.5
		Advanced Health Education	04301	03810200	AHS/CHS	.5
		Sports Medicine I	04205	N1150040	AHS	1
		Sports Medicine II	04207	N1150041	AHS	1
		Sports Medicine III	04209	N1150044	AHS	1

*Advanced CTE course

Endorsement	Career Clusters	Course Name	Local Course Number	State Course Number	Location	Credits
PUBLIC SERVICE	Human Services	Business Information Management I*	08826	13011400	AHS/CHS	1
		Principles of Human Services	08910	13024200	AHS/CHS	1
		Child Development	08911	13024700	AHS/CHS	1
		Interpersonal Studies	08905	13024400	AHS/CHS	.5
		Dollars and Sense	08855	13024300	AHS/CHS	.5
		Lifetime Nutrition and Wellness	08718	13024500	AHS/CHS	.5
		Child Guidance*	08858	13024800	AHS/CHS	2
		Practicum in Human Services*	08859	13025000	AHS/CHS	2
		Principles of Cosmetology Design and Color Theory	08710	13025050	AHS	1
		Introduction to Cosmetology	08860	13025100	AHS	1
		Cosmetology 1 with Lab	08885	13025210	AHS	3
		Cosmetology II* with Lab	08887	13025310	AHS	3
	LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY	Business Information Management I*	08826	13011400	AHS/CHS	1
		Principles of Law, Public Safety, Corrections and Security	08873	13029200	AHS/CHS	1
		Law Enforcement I	08874	13029300	AHS/CHS	1
		Law Enforcement II*	08875	13029400	AHS/CHS	1
		Criminal Investigation	08711	13029550	CHS	1
		Court Systems and Practices*	08876	13029600	AHS/CHS	1
		Correctional Services*	08877	13029700	AHS/CHS	1
		Federal Law Enforcement & Protective Services*	08926	13029800	AHS/CHS	1
		Firefighter I	08712	13029900	CHS	2
		Firefighter II*	08713	13030000	CHS	3
		ROTC I, II, III, IV	PE cr-04910; 09161; 09263; 09265; 09367	PES00004; 03160100; 03160200; 03160300; 03160400	AHS/CHS	1 each

*Advanced CTE course

Abilene ISD Sample **EDUCATION & TRAINING** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
____STEM
____Business and Industry
____Arts and Humanities
__**X**__Public Services
____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Graduation Plan--Foundation + Endorsement			
Discipline	**Credits**	**____Distinguished Level of Achievement with Performance Acknowledgment**	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	3*		
Science	3*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	5		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as a 3rd or 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods	**7th Grade**	**8th Grade**	**9th Grade**	**10th Grade**	**11th Grade**	**12th Grade**
1			English I	English II	English III	English IV or equivalent course
2		Algebra I	Geometry	Algebra II or Career and Technical Math	PreCalculus or Statistics or Advanced Math	Calculus/ Dual Credit Math/Advanced Math or Elective
3			Biology	Chemistry	Physics	Advanced Placement/Dual Credit/Career and Tech Science
4		Business Information Management	World History	U. S. History	Government and Economics	Endorsement Elective
5		Fine Art	Principles of Education & Training	Human Growth & Development	Instructional Practices	Practicum in Education & Training
6			P.E./Athletics/ROTC	Fine Arts/Athletics / Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD **GOVERNMENT AND PUBLIC ADMINISTRATION** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
____STEM
____Business and Industry
____Arts and Humanities
__X__Public Services
____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Graduation Plan--Foundation + Endorsement

Discipline	Credits	____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	3*		
Science	3*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	5		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as a 3rd or 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or Equivalent
2			Algebra I	Geometry	Algebra II or CTE Math	Advanced Placement/Dual Credit/Career and Tech Math or Elective
3		Business Information Management	Biology	IPC or Chemistry	Chemistry or Physics/CTE Science Elective	Advanced Placement/Dual Credit/Career and Tech Science
4			World History	U. S. History	Government and Economics	Dual Credit Political Science/Dual Credit Political Science (Electives)
5			Fine Art	Endorsement Elective	Endorsement Elective	Endorsement Elective
6			P.E./Athletics/ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Speech and Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD **HEALTH SCIENCE** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. . Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
____STEM
____Business and Industry
____Arts and Humanities
__**X**_Public Services
____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Graduation Plan--Foundation + Endorsement

Discipline	Credits	____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	3*		
Science	3*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	5		
Total Credits Required for Graduation:	**26***		

Certifications Available: First Aid; CPR-AHA Heartsaver (Adult); CPR—Adult & PBLS; Certified Nurse Aide (CNA); CPR-AHA Healthcare Provider; Registered Dental Assistant (RDA); Certified Clinical Medical Assistant; Certified Electrocardiograph Technician

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as a 3rd or 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent Course
2		Algebra I	Geometry	Algebra II	PreCalculus	Calculus
3			Biology	Chemistry	Physics	Anatomy and Physiology/Advanced Placement/Dual Credit/Career and Tech Science
4		Fine Art	World History	U. S. History	Government and Economics	Practicum in Health Science: Dental Assistant, Medical Assistant or Pharmacy Technician
5		Business Information Management	Principles of Health Science	Health Science Theory/Health Science Clinical	Practicum in Health Science: Certified Nurse Assistant or Diversified Skills	Problems & Solutions-Research and Design/ Problems & Solutions-Phlebotomy
6			P.E./Athletics/ ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Medical Microbiology/Pathophysiology	Public Speaking and Endorsement Elective

Abilene ISD Sample **HUMAN SERVICES** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
____STEM
____Business and Industry
____Arts and Humanities
__X__Public Services
____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certification Available: Licensed Cosmetologist, Child Development Associate

Graduation Plan--Foundation + Endorsement			
Discipline	**Credits**	____**Distinguished Level of Achievement with Performance Acknowledgment**	
English	4	(Include Algebra I II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	Any, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	3*		
Science	3*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	5		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as a 3rd or 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	**7th Grade**	**8th Grade**	**9th Grade**	**10th Grade**	**11th Grade**	**12th Grade**
1			English I	English II	English III	English IV or equivalent course
2			Algebra I	Geometry	Algebra II or Career and Tech Math	Career and Tech/Dual Credit Math or Elective
3			Integrated Physics & Chemistry	Biology	Career & Tech Science/ Chemistry or Physics	Career and Tech Science/ Chemistry or Physics
4			World History	U. S. History	Government and Economics	Lifetime Nutrition & Wellness/Dollars & Cents
5		Fine Art	Principles of Human Services/Principles of Cosmetology Design & Color Theory	Child Development/ Introduction to Cosmetology	Child Guidance/Cosmetology I	Practicum in Human Services/ Cosmetology II
6		Business Information Management	P.E./Athletics/ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD Sample **LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___
School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
___STEM
___Business and Industry
___Arts and Humanities
__**X**__Public Services
___(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four Year College
___Employment
___Military
___ Other

Certifications Available: NAED (National Association of Emergency Dispatch); CPR, First Aid

Graduation Plan--Foundation + Endorsement			
Discipline	**Credits**	**____Distinguished Level of Achievement with Performance Acknowledgment**	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	Any, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	3*		
Science	3*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	5		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as a 3rd or 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2			Algebra I	Geometry	Algebra II or Career and Tech Math	Career and Tech/Dual Credit Math or Elective
3			Integrated Physics & Chemistry	Biology	Career & Tech Science/Chemistry or Physics	Career and Tech Science/Chemistry or Physics
4			World History	U. S. History	Government and Economics	Court Systems & Practices
5		Fine Art	Principles of Law, Public Safety, Corrections & Security/ROTC	Law Enforcement I/ROTC	Law Enforcement II/ Correctional Services/Federal Law Enforcement & Protective Services/Criminal Investigations/ROTC	Law Enforcement II/ Correctional Services/ Federal Law Enforcement & Protective Services/ Criminal Investigation/ROTC
6		Business Information Management	P.E./Athletics/ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Dual Credit Public Speaking and Dual Credit Endorsement Elective

Postsecondary Options in Education & Training:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Child Care and Parenting Child Development	Child Development and Family Relations Early Childhood Education Elementary Education Secondary Education Social Work Human Services	Child Care License Child Development Associate Educational Aide Certificate, Level I Educational Aide Certificate, Level II Teacher Certification

Postsecondary Options in Health Sciences:

Community College or Associate Degree Programs	Four-Year University and Professional Degree Programs	Industry Certifications or Licensures
Dietetics Dental Hygiene Practical Nursing Orthodontic Technology Radiologic Technology Medical Sonography Medical Coding Medical Office Administration Medical Transcription Emergency Medical Technology Dental Lab Technology	Biomedical Engineering Environmental Health Nursing Pharmacy Occupational Therapy Veterinary Medicine Medical Doctor Surgeon Pharmaceutical Science Clinical Laboratory Science Exercise Physiology Healthcare Administration Dentist Optometrist Physical Therapy Medical Technology	Certified Nurse Aide (CNA) First Aid/CPR Emergency Medical Technician Pharmacy Technician Medical Coding/Certified Coding Associate Certified Medical Assistant (CMA) Dental Assistant Dental Radiographer Emergency Medical Services Information Operator/Emergency Medical Dispatcher (EMD) Licensed Vocational Nurse Phlebotomy Technician

Postsecondary Options in Human Services:

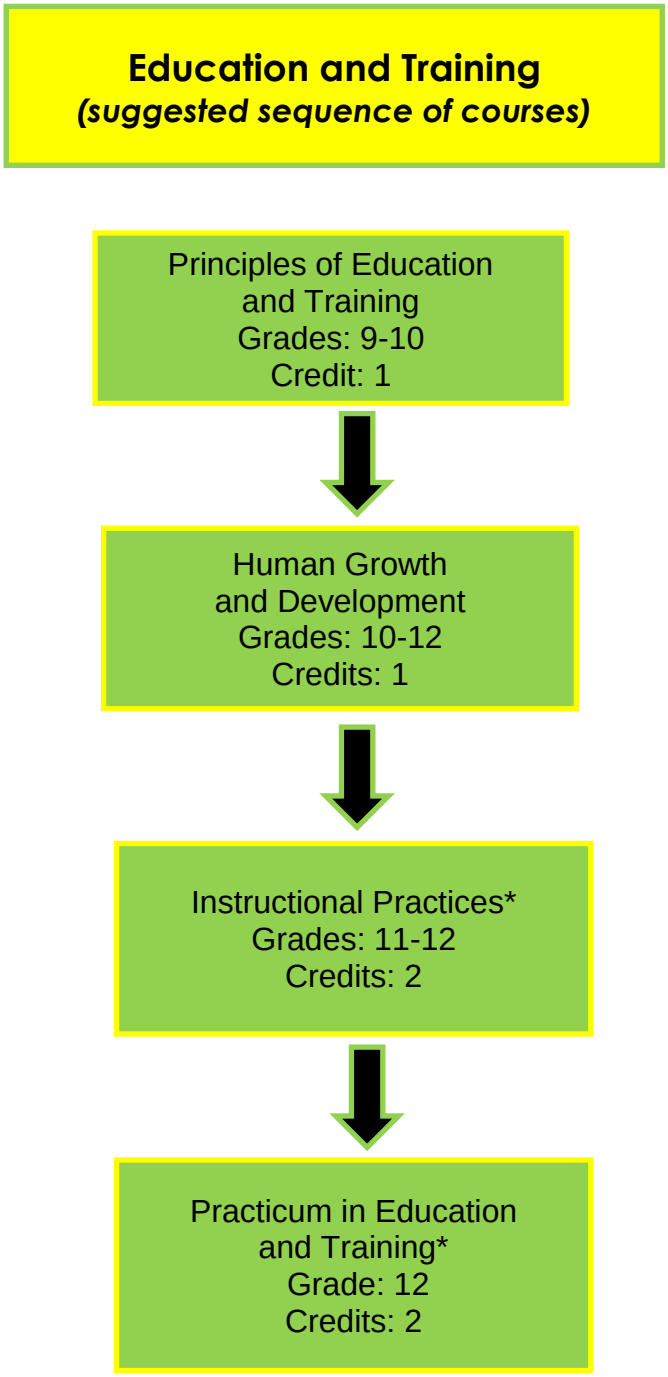
Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Child Care and Parenting Child Development Cosmetology Instructor Cosmetologist	Child Development and Family Relations Early Childhood Education Elementary Education Social Work Human Services	Child Care License Child Development Associate Educational Aide Certificate, Level I Educational Aide Certificate, Level II Cosmetologist Operator's License Manicure Specialist Hair Weaving Specialist

Postsecondary Options in Law, Public Safety, Corrections & Security:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Criminal Justice Technology Law Enforcement Technology Fire Fighter Technology	Criminal Justice Law Enforcement Administration Forensic Technology Law Enforcement/Police Science Criminology Fire Protection and Safety Technology	Basic Telecommunications Certificate Alarm System Installer License Certified Corrections Officer County Jailer Certification Basic County Corrections Officer Law Enforcement License Security Officer

Education and Training

TEACHING, THEY SAY, IS THE PROFESSION THAT MAKES ALL OTHER PROFESSIONS POSSIBLE. The people who work in Education & Training instill the knowledge and skills everyone, from preschoolers to adult learners, needs to succeed. These caring, capable, and committed professionals help prepare their students for the many rewards and challenge that personal, professional, and civic life brings. If you yearn to learn, feel a calling to teach, or would like to work in a favorite subject area, then Education & Training could be the right career cluster for you.



*Advanced CTE course

Education and Training

Principles of Education and Training (PRINEDTR)	
Course #: 08833	***Credits: 1***
PEIMS #: 13014200	***Grades: 9-10***
Principles of Education and Training is designed to introduce learners to the various careers available within the Education and Training Career Cluster. Students use self-knowledge as well as educational and career information to analyze various careers within the Education and Training Career Cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.	
Prerequisites: None	

Human Growth and Development (HUGRDEV)	
Course #: 08936	***Credits: 1***
EIMS #: 13014300	***Grades: 10-12***
This course is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.	
Prerequisites: Principles of Education and Training Recommended	

Instructional Practices * (INPRAC)	
Course #: 08835	***Credits: 2***
PEIMS #: 13014400	***Grades: 11-12***
This course is a field-based internship which provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles with elementary-, middle school- and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.	
Prerequisites: Recommended Principles of Education & Training and Human Growth & Development	

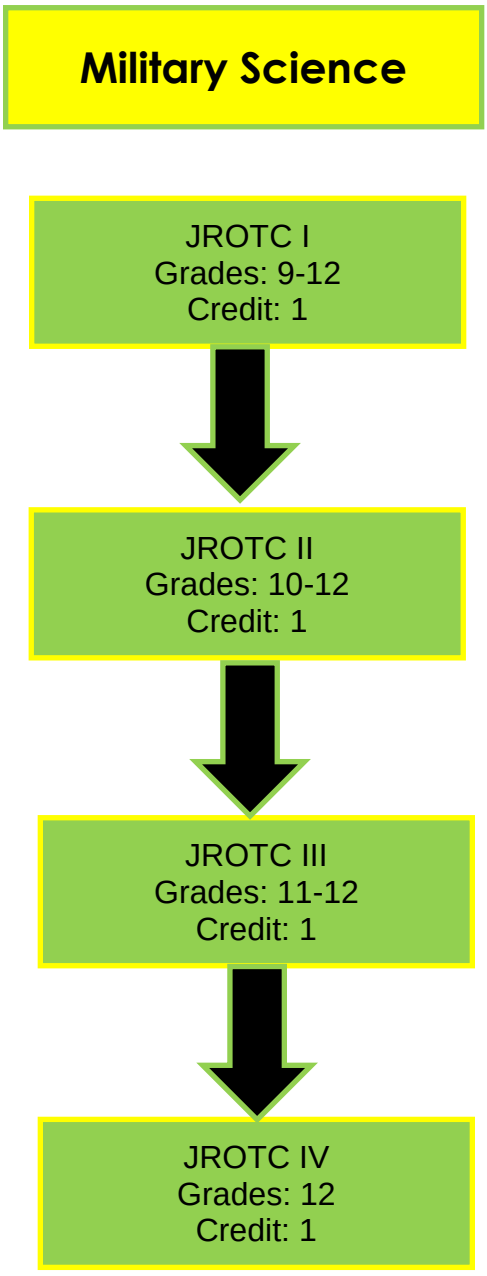
Practicum in Education and Training* (PRACEDTR1)	
Course #: 08836	***Credits: 2***
PEIMS #: 13014500	***Grades: 12***
This course is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel.	
Prerequisites: Instructional Practices in Education and Training (Instructional Practices) required, Principles of Education & Training and Human Growth & Development recommended	

*Advanced CTE course

Government and Public Administration

Individuals who choose a career in the military are committed to maintaining a strong national defense. Responsibilities within the military services involve a wide range of activities—from running a hospital to commanding a tank; from programming computers to operating a nuclear reactor; from repairing and maintaining helicopters to preparing and serving meals to hundreds of military personnel. Enlisted personnel comprise 85% of the Armed Forces and carry out the fundamental operations of the military in such areas as combat, administration, construction, engineering, health care, and human services.

Military Science



Military Science/JROTC

AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS (AFJROTC)

General Qualifications:

- Cadets must be able to perform physical training/exercise to include up to a mile and half run, push-ups and sit ups.
- Cadets are required to comply with AFJROTC grooming standards (hair/shave/makeup) and be of good moral character.
- Air Force issued uniforms will be worn once a week and at other times as directed.
- Activity fee required.

Program Benefits:

- Cadets will be taught life skills, discipline, citizenship, how to lead people and manage resources
- Cadets are provided books and uniforms at no cost.
- Cadets do not incur military service obligations.
- Students may take AFJROTC in lieu of Physical Education.
- Cadets can participate in extracurricular activities: Drill Teams, Rocket Teams, PT Teams, etc.
- Cadets who successfully complete the AFJROTC program and enlist in one of the military services may begin their military career at higher rank and pay grade. (Subject to change and as directed by each military service.)
- Senior ROTC scholarships are available for qualified applicants.
- Nominations to service academies are available for qualifying students.

Program Components:

The Air Force Junior Reserve Officer Training Corps (AFJROTC) course of study consists of three (3) major program components which are taught over four years. The curriculum is instrumental in developing citizens of character dedicated to serving our nation and communities:

1. **Leadership Education (LE):** Leadership Education courses are focused on AFJROTC mission, standards, drill, and discipline. This includes, but is not limited to courses of instruction in: Citizenship, customs and courtesies; Effective communication and leadership skills; introduction to career opportunities/life skills and tools for success after high school whether that be in college, civilian or military careers; importance of managers, management, and characteristics of what it takes to be a good leader.

2. **Aerospace Science (AS):** Aerospace Science is a broad area of study introducing cadets to patriotism, national security, fundamentals of aerodynamics, rocketry, space/astronomy, aerospace history, and people, governments and cultures. The senior cadets also learn how to manage the cadet corps. Cadets are encouraged to complete high school, pursue higher educational goals and skills, and even consider the Air Force or other military service as a possible career path.

3. **Wellness and Fitness (PT):** Wellness is an official and integral part of the AFJROTC program which consists of exercise programs focused upon individual base line improvements with the goal of achieving a national standard as calculated by age and gender. The Wellness curriculum is instrumental in developing citizens of character dedicated to serving our nation and communities.

Reserve Officers Training Corps I (SUBJ1)/(ROTC1)	
Course #: 04910 (PE credit)	***Credits: 1***
Course #: 09161	***Credits: 1***
PEIMS #: PES00004 (PE credit)	***Grades: 9-12***
PEIMS #: 03160100	***Grades: 9-12***
AFJROTC I consists of: (1) Leadership Education which introduces cadets to the AFJROTC mission, objectives, dress and appearance, drill and ceremony, discipline, respect, values, and ethics. (2) Aerospace Science which explores the development of flight throughout the centuries. (3) Wellness which focuses on physical fitness through exercise and team building. This course satisfies the state Physical Education credit requirement if the student has not already satisfied this credit.	
Prerequisites: None	

Reserve Officers Training Corps II (ROTC 2)	
Course #: 09263	***Credits: 1***
PEIMS #: 03160200	***Grades: 9-12***
AFJROTC II consists of: (1) Leadership Education which stresses communication skills, personal awareness, and group/team dynamics. (2) Aerospace Science offers either Science of Flight, which focuses on how airplanes fly, weather, how flight affects the human body, and flight and land navigation or An Introduction to Global Awareness which delves into the history, religion, languages, economics, social issues, environmental concerns and human rights of countries around the globe. (3) Wellness focuses on physical fitness through exercise and team building.	
Prerequisites: None	

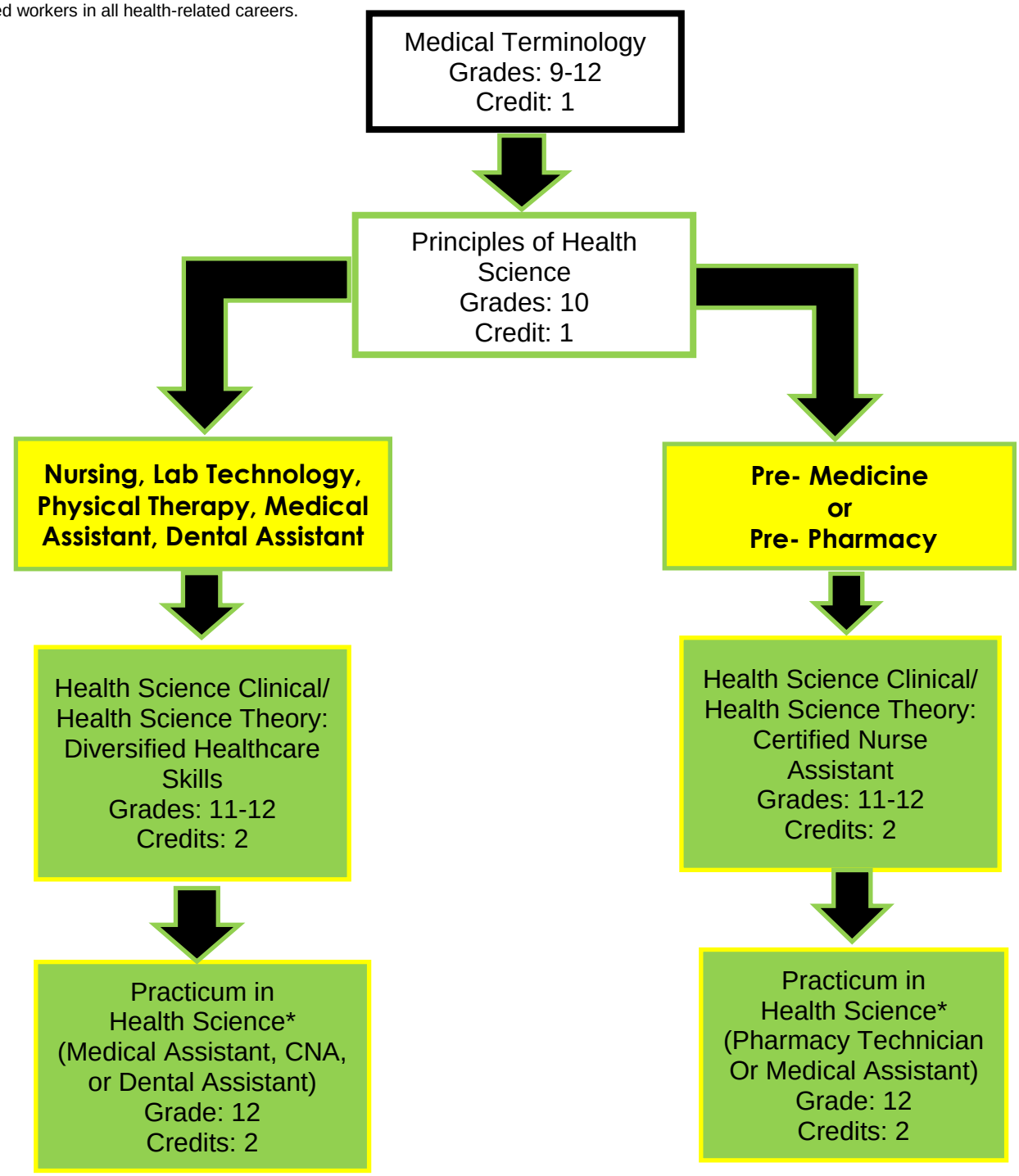
Reserve Officers Training Corps III (ROTC 3)	
Course #: 09265	***Credits: 1***
PEIMS #: 03160300	***Grades: 9-12***
AFJROTC III consists of: (1) Leadership Education which helps students plan for life after high school – college, finding a job, and financial planning are a few of the topics covered. (2) Aerospace Science studies the space environment, manned space flight and exploration, and the latest advances in space technology (3) Wellness focuses on physical fitness through exercise and team building.	
Prerequisites: None	

Reserve Officers Training Corps IV (ROTC 4)	
Course #: 09367	***Credits: 1***
PEIMS #: 03160400	***Grade 12***
AFJROTC consists of: (1) Leadership Education which provides exposure to fundamentals of leadership and management. (2) Aerospace Science which explores Policy and Organization pertaining to the military services and the United States National Security Strategy. (3) Wellness focuses on physical fitness through exercise and team building. Senior cadets are responsible for the leadership and operation of the Corps.	
Prerequisites: Senior or graduating junior; ROTC I, II, or III or interview.	

For more information on the JROTC Program, please contact the Air Force JROTC instructors at either Abilene High or Cooper High Schools.

Health Science

Careers in Health Sciences involve the promotion and maintenance of good health and the prevention and treatment of disease as well as providing diagnostic, therapeutic, and environmental services in the medical, dental, surgical, and related health care industries. If you would like to help other people live active, healthy lives, help them recover from illness or injury, or help people cope with ongoing illness, this career area will be of great interest to you. Careers in the health field require specialized training and certifications or licenses in the occupation. There is a big demand for qualified workers in all health-related careers.



*Advanced CTE course

Health Science

Most of the following Health Science courses are offered at **Holland Medical High School** located on the campus of Hardin-Simmons University. Holland is open to all AISD students in the 11th or 12th grade who have completed the required prerequisites at their home campus. Students interested in attending Holland should talk to their school counselor or the Health Science teacher at their school. See page 21 for more information on **Holland Medical High School**.

Principles of Health Science (PRINHLSC)

Option for Dual Credit

Course #: 08841 ***Credits: 1***

PEIMS #: 13020200 ***Grade: 10***

This course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry. In addition, the student will be instructed in various health care skills such as taking vital signs, body mechanics, infection control, and CPR/First Aid. This course is available at Abilene High and Cooper High and is a prerequisite for courses at Holland Medical High School. It cannot be entered at mid-term.

Prerequisites: None

Medical Terminology* (MICRO)

Course #:08707 ***Credits: 1***

PEIMS #:13020300 ***Grades: 9-12***

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

Prerequisites: None

Health Science Theory/Health Science Clinical - Diversified Healthcare Skills (HLSCLIN-DHS)

Course #: 08955 ***Credits: 2***

PEIMS #: 13020410 ***Grades: 11-12 (must be 16 by Nov 1)***

These courses are designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development. Health Science Theory and Health Science Clinical must be taken concurrently. At the completion of this course, students will engage in an unpaid work-based, job shadowing experience. The course prepares the student for transition into further training or work-based experience in healthcare. At the completion of this course, students will engage in an unpaid work-based, job shadowing experience. The course prepares the student for transition into further training or work-based experience in healthcare. **This course is only available at Holland Medical High.**

Prerequisites: Principles of Health Science and Biology

Health Science Theory/Health Science Clinical - Certified Nurse Assistant (HLSCLIN-CNA)

Course #: 08956 ***Credits: 2***

PEIMS #: 13020410 ***Grades: 11-12 (must be 16 by Nov 1)***

These courses are designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development. Health Science Theory and Health Science Clinical must be taken concurrently. During the fall semester students will participate in a Texas Department of Health approved Nurse's Aide certification program. During the spring semester students will participate in clinical rotations at participating health care facilities. **This course is only available at Holland Medical High.**

Prerequisites: Principles of Health Science and Biology

Practicum in Health Science– Medical Assistant* (PRACHLS2-CMA)

Course #: 08915 ***Credits: 2***

PEIMS #: 13020510 ***Grade: 12***

This practicum is designed to provide the knowledge and skills for students to obtain national-approved medical assistant certifications. In the fall, students are offered a certification as a Certified Electrocardiograph Technician (CET). This semester consists of learning how to perform an EKG and patient monitoring during cardiac procedures, and interpreting EKG results. In the spring, students are offered a certification as a Certified Clinical Medical Assistant. This semester consists of learning skills such as patient history and assessment, minor office procedures, phlebotomy, EKG, specimen collection and front-office admission skills. Students will do clinicals at the hospital and physician offices. This course cannot be entered at midterm. **This course is only available at Holland Medical High.**

Prerequisites: Principles of Health Science and Biology required; Health Science Theory/Health Science Clinical Recommended

Practicum in Health Science – Pharmacy Technician* (PRACHLS2-PHARM)

Course #: 08914 ***Credits: 2***

PEIMS #: 13020510 ***Grade: 12***

This practicum is designed to give students the knowledge and skills to complete the national certification test for Pharmacy Technician. The practicum course provides an unpaid capstone experience for students participating in the health science coherent sequence. **This course is only available at Holland Medical High.**

Prerequisites: Principles of Health Science required; Health Science Theory/Health Science Clinical and Chemistry recommended

*Advanced CTE course

Practicum in Health Science – Dental Assistant* (PRACHLS2-ROA)

Course #: 08927 ***Credits: 2***

PEIMS #: 13020510 ***Grade: 12***

This practicum is designed to give students the knowledge and skills to complete the state certification test for Registered Dental Assistant. Students will have the opportunity to complete up to three of the certifications recognized in the state certification test. This practicum provides an unpaid internship in a dental office. **This course is only available at Holland Medical High.**

Prerequisites: Principles of Health Science

Practicum in Health Science –Certified Nurse Aide* (PRACHLSC2-CNA)

Course #: 08923 ***Credits: 2***

PEIMS #: 13020510 ***Grades: 12***

A course designed to provide for the development of multi-occupational knowledge and skills related to a wide variety of health careers. Students will have hands-on experiences for continued knowledge and skills development. During the fall semester students will participate in a Texas Department of Health approved Nurse's Aide certification program. During the spring semester students will participate in clinical rotations at participating local health care facilities. This course cannot be entered at mid-term. **This course is only available at Holland Medical High.**

Prerequisites: Principles of Health Science, Biology, and Health Science Theory/Health Science Clinical-DHS

Anatomy and Physiology* (ANATPHYS)

Course #: 08847 ***Credits: 1***

PEIMS #: 13020600 ***Grades: 10-12***

This course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Note: This course can count as the fourth year of science for graduation requirements.

Prerequisites: Biology and a second science credit required; a course from the Health Science Career Cluster recommended

Medical Microbiology* (MICRO)

Course #: 08708 ***Credits: 1 Science credit***

PEIMS #: 13020700 ***Grades: 11-12***

This 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 course is only available at Holland Medical High.**

Prerequisites: Biology and Chemistry (may be taken concurrently) required; a course from the Health Science Career Cluster recommended

*Advanced CTE course

Project-Based Research – Phlebotomy (PROBS1)

Course #: 08957 ***Credits: 1***

PEIMS #: 12701500 ***Grade: 12***

Phlebotomy is an independent study course taught on the campus of Cisco College, offered as a continuing education credit. This course usually meets three nights a week during the spring semester. Phlebotomy provides a general overview of techniques, procedures and issues pertaining to the proper collection of blood specimens for routine clinical laboratory testing in order to develop well-trained, proficient and professional phlebotomists. Students will learn proper patient contact and procedures; phlebotomy techniques, procedures and equipment; the anatomy and physiology of the circulatory system; and laboratory organization and measurement. Training includes 84 hours of classroom instruction and clinical hours determined by the successful completion of 100 combined vein puncture and finger/heel sticks for students to receive a National Phlebotomy certification. **This course is only available at Holland Medical High.**

Prerequisites: Principles of Health Science

Project-Based Research – Research and Design (PROBS1)

Course #: 08952 ***Credits: 1***

PEIMS #: 12701500 ***Grade: 12***

This independent study course is a project-based learning experience developed by a student or group of students and an interdisciplinary mentor team. The project provides opportunities for an in-depth study of at least one aspect of the healthcare industry. The student or group demonstrates the ability to utilize a variety of resources, advanced technology, and communication skills in the development and presentation of the project. This course meets one of the advanced measures of the Distinguished Achievement plan for graduation. **This course is only available at Holland Medical High.**

Prerequisites: Principles of Health Science, Health Science Theory, Practicum in Health Science

Human Services

It takes a special person to work in Human Services. Although many jobs in the cluster pay well, those who choose Human Services generally don't do it for the money. Instead, they are motivated by the desire to assist others. Psychologists, therapists, counselors, social workers, health aides, cosmetologists, financial planners, clergy members, and others tend to the physical, mental, and spiritual needs of people in their hometowns. They offer helping hands to everyone from babies in child-care centers to seniors in long-term care facilities. The work is sometimes challenging, but the reward of knowing that you improved someone's life is immense. If you feel a calling to serve your fellow men and women, feel comfortable caring for people, or want to improve your community, then Human Services could be the right career cluster for you.

Cosmetology

Principles of Cosmetology Design & Color Theory
Grades: 9-10
Credits: 1

↓

Introduction to Cosmetology
Grade: 10
Credits: 1

↓

Cosmetology I*
Grades: 11-12
Credits: 2

↓

Cosmetology II*
Grade: 12
Credits: 2

Child Care Guidance and Management
(suggested sequence of courses)

Principles of Human Services
Grades: 9-12
Credit: 1

↓

Child Development
Grades: 10-12
Credits: 1

↓

Child Guidance*
Grade: 10-12
Credits: 2

↓

Practicum in Human Services*
Grades: 11-12
Credits: 2

*Advanced CTE course

Human Services

Principles of Human Services (PRINHUSR)

Course #: 08910 ***Credit: 1***

PEIMS #: 13024200 ***Grades: 9-12***

This laboratory course will enable students to investigate careers in the Human Services Career Cluster, including counseling and mental health, early childhood development, family and community, personal care, and consumer services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.

Prerequisites: None

Dollars and Sense (DOLLARSE)

Course #: 08855 ***Credits: ½***

PEIMS #: 13024300 ***Grades: 11-12***

Dollars and Sense focuses on consumer practices and responsibilities, money-management process, decision-making skills, impact of technology, and preparation for human services careers.

Prerequisites: Principles of Human Services Recommended

Lifetime Nutrition and Wellness (LNURTWEL)

Course #: 08718 ***Credits: ½***

PEIMS #: 13024500 ***Grades: 9-12***

This is a laboratory course that allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences.

Prerequisites: Principles of Human Services or Principles of Hospitality and Tourism or Principles of Education and Training or Principles of Health Science recommended

Child Development (CHILDDEV)

Course #: 08911 ***Credits: 1***

PEIMS #: 13024700 ***Grades: 10-12***

This technical laboratory course 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.

Prerequisites: Principles of Human Services recommended

Child Guidance* (CHILDGUI)

Course #: 08858 ***Credits: 2***

PEIMS #: 13024800 ***Grades: 10-12***

This course is a technical laboratory course that addresses the knowledge and skills related to child growth and guidance equipping students to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with special needs. Instruction may be delivered through school-based laboratory training or through work-based delivery arrangements such as cooperative education, mentoring, and job shadowing. Students will begin compiling documentation for the Child Development Associate certification.

Prerequisites: Principles of Human Services recommended; Child Development as recommended prerequisite or corequisite

Practicum in Human Services* (PRACHUSR1)

Course #: 08859 ***Credits: 2***

PEIMS #: 13025000 ***Grades: 11-12***

This course provides background knowledge and occupation-specific training that focuses on the development of consumer services, early childhood development and services, counseling and mental health services, and family and community-services careers. Content for this course is designed to meet the occupational preparation needs and interests of students and should be based upon the knowledge and skills selected from two or more courses in a coherent sequence in the human services cluster. Classroom instruction will prepare students for the Child Development Associate certification exam.

Prerequisites: Child Guidance I

Principles of Cosmetology Design and Color Theory(PRINCOSMO)

Course #: 08710 ***Credits: 1***

PEIMS #: 13025050 ***Grades: 9-10***

In this course, 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. Students will attain academic skills and knowledge as well as technical knowledge and skills related to cosmetology design and color theory. Students will develop knowledge and skills regarding various cosmetology design elements such as form, lines, texture, structure and illusion or depth as they relate to the art of cosmetology. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the TDLR requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included. **This course is offered on the Abilene High campus but is open to all AISD students.**

Prerequisites: Principles of Human Services recommended

Introduction to Cosmetology (INTCOSMO)	
Course #: 08860	***Credits: 1***
PEIMS #: 13025100	***Grade: 10***
In this course students explore career in the cosmetology industry. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. Students may earn hours toward state licensing requirements. **This course is offered on the Abilene High campus but is open to all AISD students.**	
Prerequisites: None	

Cosmetology I* (COSMET1)	
Course #: 08861	***Credits: 2***
PEIMS #: 13025200	***Grades: 10-11***
Students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation (TDLR) requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included. **This course is offered on the Abilene High campus but is open to all AISD students.**	
Prerequisites: Introduction to Cosmetology recommended	

Cosmetology II* (COSMET2)	
Course #: 08862	***Credits: 2***
PEIMS #:13025300	***Grades: 11-12***
In Cosmetology II, students will demonstrate proficiency in academic technical, and practical knowledge and skills. The content is designed to provide the occupational skills required for licensure. Instruction includes advanced training in professional standards/employability skills; Texas Department of Licensing and Regulation (TDLR) rules and regulations; use of tools, equipment, technologies and materials; and practical skills. **This course is offered on the Abilene High campus but is open to all AISD students.**	
Prerequisites: Cosmetology I	

Law, Public Safety, Corrections and Security

SIRENS SCREAM. BOMBS EXPLODE. BULLETS FLY. This is the image that many people have of careers in Law, Public Safety, Corrections & Security. The truth is that those things do happen occasionally, but mostly careers in this cluster don't involve constant danger. Instead, they concern the important daily duties of protection and serving the public. What folks in these careers crave is the peace and quiet…..that means that people and property are safe. As homeland security has become more and more of a concern, demand for people to protect sites as varied as skyscrapers and seaports, airports and reservoirs, and nuclear power plants and military bases has skyrocketed. If you have a calling to serve others, can keep a cool head under pressure, or love the law, then a career in Law, Public Safety, Corrections & Security could be the right decision for you.

Law Enforcement

Principles of Law, Public Safety, Corrections and Security
Grades: 9-12
Credit: 1

Law Enforcement I
Grades: 10-12
Credit: 1

Federal Law Enforcement & Protective Services*
Grades: 10-12
Credit: 1
----------and/**or**----------
Court Systems and Practices*
Grades: 10-12
Credit: 1
----------and/**or**----------
Correctional Services*
Grades: 10-12
Credit: 1
----------and/**or**----------
Criminal Investigations
Grades 10-12
Credit: 1

Law Enforcement II*
Grades: 11-12
Credit: 1

Fire Fighter I
Grades: 10-12
Credits: 2

Fire Fighter II
Grades: 11-12
Credits: 2

*Advanced CTE course

Law, Public Safety, Corrections, and Security

Principles of Law, Public Safety, Corrections, and Security-LAW (PRINLPCS-LAW)

Course #: 08873L ***Credits: 1***

PEIMS #: 13029200 ***Grades: 9-12***

Principles of Law, Public Safety, Corrections, and Security-Law introduces students to professions in law enforcement, protective services, corrections, firefighting, and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, protective services, and corrections. At Cooper High students will have the opportunity to complete certification in First Aid/CPR/AED.

Prerequisites: None

Principles of Law, Public Safety, Corrections, and Security- FIRE (PRINLPCS-FIRE)

Course #: 08873F ***Credits: 1***

PEIMS #: 13029200 ***Grades: 9-12***

Principles of Law, Public Safety, Corrections, and Security-Fire introduces students to professions in law enforcement, protective services, corrections, firefighting, and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, protective services, and corrections. At Cooper High students will have the opportunity to complete certification in First Aid/CPR/AED.

Prerequisites: None

Law Enforcement I (LAWENF1)

Course #: 08874 ***Credits: 1***

PEIMS #: 13029300 ***Grades: 10-12***

Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. Students will understand the role of constitutional law at local, state, and federal levels; the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime.

Prerequisites: Principles of Law, Public Safety, Corrections, and Security recommended

Law Enforcement II* (LAWENF2)

Course #: 08875 ***Credits: 1***

PEIMS #: 13029400 ***Grades: 10-12***

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. Students will have the opportunity to gain certification in National Association of Emergency Dispatchers.

Prerequisites: Law Enforcement I recommended

Correctional Services* (CORRSRVS)

Course #: 08877 ***Credits: 1***

PEIMS #: 13029700 ***Grades: 10-12***

In Correctional Services, students prepare for certification required for employment as a municipal, county, state, or federal correctional officer. Students will learn the role and responsibilities of a county or municipal correctional officer; discuss relevant rules, regulations, and laws of municipal, county, state, or federal facilities; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the correctional setting. The student will analyze rehabilitation and alternatives to institutionalization for inmates.

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

Federal Law Enforcement & Protective Services* (FEDLEPS)

Course #: 08926 ***Credits: 1***

PEIMS #: 13029800 ***Grades: 10-12***

This course provides the knowledge and skills necessary to prepare for certification in security services for federal law enforcement and protective services. The course provides an overview of security elements and types of organizations with a focus on security measures used to protect lives, property, to ensure computer security, and proprietary information, to ensure computer security, to provide information assurance, and to prevent cybercrime.

Prerequisites: Law Enforcement I recommended

Criminal Investigation (CRINVEST)

Course #: 08711 ***Credits: 1***

PEIMS #: 13029550 ***Grades: 10-12***

Criminal Investigation is a course that introduces students to the profession of criminal investigations. Students will understand basic functions of criminal investigations and procedures and will learn how to investigate or follow up during investigations. Students will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation. Through case studies and simulated crime scenes, students will collect and analyze evidence such as fingerprint analysis, bodily fluids, hairs, fibers, shoe and tire impressions, bite marks, drugs, tool marks, firearms and ammunition, blood spatter, digital evidence, and other types of evidence.

Prerequisites: Principles of Law, Public Safety, Corrections and Security recommended

Court Systems and Practices* (COURTSP)

Course #: 08876 ***Credits: 1***

PEIMS #: 13029600 ***Grades: 10-12***

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.

Prerequisites: Law Enforcement I recommended

Firefighter I (FIRE1)	
Course #: 08712	***Credits: 2***
PEIMS #: 13029900	***Grades: 10-12***
Firefighter I introduces students to firefighter safety and development. Students will analyze Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protective equipment, and the principles of fire safety. **This course is offered at CHS, but it is open to all AISD students.**	
Prerequisites: Principles of Law, Public Safety, Corrections and Security recommended	

Firefighter II*(FIRE2)	
Course #: 08713	***Credits: 3***
PEIMS #: 13030000	***Grades: 11-12***
Firefighter II is the second course in a series for students studying firefighter safety and development. Students will understand Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protective equipment, and the principles of fire safety. Students will demonstrate proper use of fire extinguishers, ground ladders, fire hoses, and water supply apparatus systems. **This course is offered at CHS, but it is open to all AISD students.**	
Prerequisites: Firefighter I; Principles of Law, Public Safety, Corrections and Security recommended	

*Advanced CTE course

Arts and Humanities Endorsement

Subject to State Board of Education approval and updates:

A student may earn an Arts and Humanities Endorsement by completing the following requirements:

1. five Social Studies courses; or
2. four levels of the same language in a language other than English; or
3. two levels of the same language in a language other than English and two levels of a different language in a language other than English; or
4. four levels of American Sign Language; or
5. a coherent sequence of four credits by selecting courses from one or two categories or disciplines in fine arts.
6. four English elective credits by selecting from the following:
    - English IV
    - Independent Study in English
    - Literary Genres
    - Creative Writing
    - Research and Technical Writing
    - Advanced Placement English Literature and Composition; or
    - International Baccalaureate Language Students A1 Higher Level; or
    - Communications Applications

Endorsement	Course Name	Local Course Number	State Course Number	Location	Credits
ARTS & HUMANITIES	Business Information Management I*	08826	13011400	AHS/CHS	1
	Art I	02111; Preap-02113	3500100	AHS/CHS/ ATEMS	1
	Art II, III--Drawing	02213; 02325	03500500; 03501300	AHS/CHS/ ATEMS	1
	Art II, III--Sculpture	02224	03501000	AHS/CHS	1
	Art II, III-- Photography	02423	03502200	AHS/CHS	1
	AP History of Art	02314	A3500100	AHS/CHS	1
	Band I, II, III, IV	02852	03150300	AHS/CHS	1
	Jazz Band	02857	03151500	AHS/CHS	1
	Steel Drum Band	02854	03151900	AHS	1
	Theatre Arts I, II, III, IV	02231; 02331; 02431; 02433	03250100; 03250200; 03250300; 03250400	AHS/CHS	1
	Choir I, II, III, IV	02660	03151100	AHS/CHS	1
	Vocal Ensemble	02950	03152300	AHS/CHS	1
	Orchestra I, II, III, IV	02658	03150700	AHS/CHS	1
	Orchestra Ensemble		03151700	AHS/CHS	1
	Technical Theatre I, II, III, IV	02241; 02341; 02441; 02541	03250500; 03250600; 03251100; 03251200	AHS/CHS	1
	Theatre Production I, II, III, IV	02381; 02383; 02385; 02387	03250700; 03250800; 03250900; 03251000	AHS/CHS	1
	Audio-Visual Production	09289	13008500	CHS	1
	Advanced Placement or Dual Credit Music Theory	02701	A3150200	AHS/CHS	1
	Advanced Placement or Dual Credit Art/Drawing	02301	A3500300	AHS/CHS	1
	Advanced Placement or Dual Credit Art 2D	02414	A3500400	AHS/CHS	1
	Advanced Placement or Dual Credit Art 3D	02514	A3500500	AHS/CHS	1

*Advanced CTE course

Abilene ISD Sample **ARTS & HUMANITIES** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
____STEM
____Business and Industry
__**X**__Arts and Humanities
____Public Services
____ (*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
__**_**__Four-Year College
___Employment
___Military
___Other

Graduation Plan--Foundation + Endorsement			
Discipline	**Credits**	____**Distinguished Level of Achievement with Performance Acknowledgment**	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	4*		
Science	4*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	7		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	**7th Grade**	**8th Grade**	**9th Grade**	**10th Grade**	**11th Grade**	**12th Grade**
1			English I	English II	English III	English IV or equivalent course
2		Algebra I	Geometry	Algebra II or Career and Technical Math	PreCalculus or Advanced Math	Calculus/Advanced Math or Elective
3			Biology	IPC or Chemistry	Chemistry or Physics/ CTE Science Elective	Advanced Placement/Dual Credit/Career and Tech Science
4		Art/Theatre Arts I	World History	U. S. History	Government and Economics	Advanced Placement/Dual Credit Fine Art/Audio-Visual/Communications Courses
5		Business Information Management	Art/Band/Theatre Arts/Choir/Orchestra / Journalism	Art/Band/Theatre Arts/Choir/Orchestra/ Technical Theatre/Theatre Production/Advanced Journalism/Debate/Oral Interpretation	Art/Band/Theatre Arts/Choir/Orchestra/Technical Theatre/Theatre Production/Debate/Oral Interpretation/AV Production	Art/Band/Theatre Arts/Choir/Orchestra/Technical Theatre/Theatre Production/ Debate/Oral Interpretation
6			P.E./Athletics/ROTC	Athletics/Endorsement Elective	Athletics/ Endorsement Elective	Athletics/Endorsement Elective
7			Foreign Language I	Foreign Language II	Dual Credit Public Speaking and Dual Credit Endorsement Elective	Advanced Placement/Dual Credit Music Theory/Fine Art/Audio-Visual/Communications Courses

Multidisciplinary Studies Endorsement

Subject to State Board of Education approval and updates:

A student may earn a Multidisciplinary Studies endorsement by completing the following requirements:

1. four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from one endorsement area or among endorsement areas that are not in a coherent sequence; or
2. four credits in each of four foundation subject areas (four English, four math, four science, four social studies) to include English IV or College Prep ELA and chemistry and/or physics; or
3. four credits in Advanced Placement courses or International Baccalaureate courses, or dual credit selected from English, mathematics, science, social studies, economics, languages other than English or fine arts.

Core Academic Courses

Economics

Economics with Emphasis on the Free Enterprise System and its Benefits (ECO-FE)	
Course #: 07361	***Credits: ½***
PEIMS #: 03310300	***Grades:11-12***
The focus in this course is on the basic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world. Students examine the rights and responsibilities of consumers and businesses. Students analyze the interaction of supply, demand, and price, and study the role of financial institutions in a free enterprise system.	
Prerequisites: None	

AP Macroeconomics (APMACECO)	
Course #: 07304	***Credits: ½***
PEIMS #: A3310200	***Grades: 11-12***
This course prepares students to take the College Board Macroeconomics AP Exam. This course is designed to give students a thorough knowledge and understanding of economic principles that apply to the economy as a whole. The course stresses the study of national income and price determination, economic performance measures, economic growth, and international economics. Students are expected to take the AP examination.	
Prerequisites: None	

AP United States Government and Politics (.5)(APUSGOVT) and AP Macroeconomics (.5) (APMACECO)	
Course #:07425	***Credits: 1***
PEIMS #: 84400101	***Grades: 12***
Please see AP United States Government and Politics and AP Macroeconomics course descriptions. This course is taught in a blended format covering for AP Government and AP Macroeconomics throughout the entire year in preparation for the AP exams in Government and Economics. Note: Course credit for Government and/or Economics will not be issued until the end of the spring semester. Special consideration should be given if a student is considering a move outside of the district to instead take our course offerings that are not blended. Counselor will advise.	
Prerequisites: Pre-AP World Geography, AP U.S.History, and AP World History	

English Language Arts and Reading

English I (ENG 1)

Course #: 01121 ***Credits: 1***

PEIMS #: 03220100 ***Grades: 9-12***

This course focuses on an integration of writing (grammatical concepts, usage, capitalization, punctuation, and spelling) with literature. It also focuses on reading improvement through drama, short story, poetry, novel, and epic. Students will learn literary forms and terms associated with selections read. Preparation for End of Course testing will be included.

Prerequisites: None

PreAP English I (ENG 1 PREAP)

Course #: 01101 ***Credits: 1***

PEIMS #: 03220100 ***Grades: 9-12***

Using the study of various literary genres as a base, emphasis is placed on critical thinking skills by discovering meaning in literature through language, imaging, characters, action, argument, strategies, and techniques used. Writing focuses on interpretation, analysis, and creativity. PreAP classes are a sequential program designed to lead to Advanced Placement credit. Preparation for End of Course testing will be included.

Prerequisites: Summer reading as required by teacher

English II (ENG 2)

Course #: 01221 ***Credits: 1***

PEIMS #: 03220200 ***Grades: 10-12***

This course includes an integrated program of writing and reading skills. The literature units will include poetry, novels, Shakespearean drama, and short stories. Students will write multi-paragraph compositions. Preparation for End of Course testing will be included.

Prerequisites: English I

PreAP English II (ENG 2 PREAP)

Course #: 01201 ***Credits: 1***

PEIMS #: 03220200 ***Grades: 10-12***

The PreAP English II course is a continuation of PreAP English I. Using world literature as a base, subject matter will be covered in greater depth, and analytical reasoning skills will be further developed. PreAP classes are a sequential program designed to lead to Advanced Placement college credit. Preparation for End of Course testing will be included.

Prerequisites: English I, summer reading as required by teacher

English III (ENG 3)

Course #: 01321 ***Credits: 1***

PEIMS #: 03220300 ***Grades: 11-12***

This course will emphasize a study of American literature, literary criticism, and techniques for writing the research paper along with other forms of communication. A focus on literary forms and terms will continue.

Prerequisites: English I and English II

AP English III (APENGLAN)

Course #: 01301 ***Credits: 1***

PEIMS #: A3220100 ***Grades: 11-12***

Advanced Placement English III, which emphasizes preparation for the AP English Language and Composition test, uses works in American literature to teach techniques of analysis, synthesis, and evaluation applicable to any written, spoken, or graphic English composition. In addition, a research project is required. Students are expected to take the AP Exam.

Prerequisites: English I and English II, summer reading as required by teacher

English IV (ENG 4)

Course #: 01421 ***Credits: 1***

PEIMS #: 03220400 ***Grade: 12***

This course is a survey of British literature and the development of the English language, which gives the college bound student a background in the history and culture of the English-speaking peoples. Reading, grammar, usage, mechanics, and composition skills are integrated into the literature units. Course research projects emphasize literary criticism.

Prerequisites: English I, English II and English III

AP English IV (APENGLIT)

Course #: 01405 ***Credits: 1***

PEIMS #: A3220200 ***Grade: 12***

The Advanced Placement English IV course is a college level course with emphasis placed on training students to become skilled readers and writers in diverse genres and modes of composition. Utilizing world literature as a base, the AP course will concentrate on individual interpretation and response. Students are expected to take the AP English Literature and Composition exam.

Prerequisites: English I, English II and English III, summer reading as required by teacher

Business English (BUSENGL)

Course #: 08908 ***Credits: 1***

PEIMS #: 13011600 ***Grade: 12***

In Business English, students enhance communication and research skills by applying them to the business environment, in addition to exchanging information and producing properly formatted business documents using emerging technology.

Prerequisites: English III

Independent Study in English (IND ENG)

Course #: 01435 ***Credits: 1***

PEIMS #: 03221800 ***Grade: 12***

This course provides students an opportunity to do additional advanced work in English. Students will be given opportunities to conduct research, produce original works in print, develop an advanced communication-related skill, or do advanced study in a specific area of interest.

Prerequisites: English III, teacher approval and concurrent enrollment in English IV

Independent Study in English: Hebrew Scriptures (HEBSCEN)

Course #: 01161 ***Elective Credits: ½***

PEIMS #: 03221830 ***Grade: 9-12***

In this course students will study the characters, poetry, and narratives of the Hebrew Scriptures that are prerequisites to understanding the contributions and influence of the Bible on contemporary society and culture, including literature, art, music, mores, oratory, and public policy. The content of the course will not endorse, favor or promote any particular religion or non-religious faith or religious perspective. Offered first semester only.

Prerequisites: None

Independent Study in English: New Testament (NEWTENG)

Course #: 01162 ***Elective Credits: ½***

PEIMS #: 03221840 ***Grade: 9-12***

In this course students will study the characters, poetry, and narratives of the New Testament that are prerequisites to understanding the contributions and influence of the Bible on contemporary society and culture, including literature, art, music, mores, oratory, and public policy. The content of the course will not endorse, favor or promote any particular religion or non-religious faith or religious perspective. Offered second semester only.

Prerequisites: None

Creative/Imaginative Writing (CREAT WR)

Course #: 01323 ***Credits: ½***

PEIMS #: 03221200 ***Grades: 11-12***

The students will explore figurative language and literary devices by incorporating them into a piece of discourse. They will learn how to use proportion, contrast, suspense, rhetorical repetition, and various points of view. They will analyze these devices in literary examples, while at the same time considering their own work as a piece of literature, a literary test. The production of original work will be paramount in this course.

Prerequisites: 80 or above average in previous English class and teacher approval recommended

Literary Genres (LIT GENR)

Course #: 01391 ***Credits: ½***

PEIMS #: 03221500 ***Grades: 11-12***

Students will explore various literary genres found in the literature of the world.

Prerequisites: 80 or above average in previous English class and teacher approval recommended

Practical Writing Skills (PRACT WR)

Course #: 01433 ***Credits: 1***

PEIMS #: 03221300 ***Grade: 12***

The study of writing allows high school students to earn credit while developing skills necessary for composing business letters and requests for information, as well as for completing job applications and résumés. This course emphasizes skill in the use of conventions and mechanics of written English, the appropriate and effective application of English grammar, and the effective use of vocabulary.

PREREQUISITES: English I, English II and English III

College Preparatory English Language Arts (CPELA)

Course #: 01459 ***Credits: 1***

PEIMS #: CP110100 ***Grades: 12***

The focus of the course is on applying critical reading skills for organizing, analyzing and retaining material and developing written work appropriate to the audience, purpose, situation, and length of the assignment. This course is designed to prepare students for college-level reading and writing intensive courses including ENGL 1301. Students will learn to write effective, logical essays, utilizing textual support to develop reading comprehension strategies and to analyze, synthesize and make value judgments using critical thinking. The course fulfills The Texas Success Initiative (TSI) requirements for reading and writing. Students who successfully complete this course and pass the TSI will qualify to take ENGL 1301.

Prerequisites: Three English credits prior to enrollment

Journalism (JRNLSM)

Course #: 01131 ***Credits: 1***

PEIMS #: 03230100 ***Grades: 9-12***

This preparatory class for either the newspaper or the yearbook includes a study of the purpose and function of the media, basic features of journalism, current trends in format, techniques and typography, study of graphics, design, layout and the printing process, preparation of press-ready materials. Study includes news, editorial, feature and headline writing and editing.

Prerequisites: 80 or above average in previous English class recommended

Advanced Journalism: Yearbook I (YBK1)

Course #: 01225 ***Credits: 1***

PEIMS #: 03230110 ***Grades: 9-12***

Advanced Journalism: Literary Magazine I (LM1)

Course #: 01229 ***Credits: 1***

PEIMS #: 03230170 ***Grades: 11-12***

Advanced Journalism: Newspaper I (NP1)

Course #: 01263 ***Credits: 1***

PEIMS #: 03230140 ***Grades: 9-12***

Staffers produce a quality product while working within time constraints and budget limitations, developing financial responsibility in producing the product, planning and implementing an advertising and circulation campaign, cutting and cropping photographs, writing and editing copy, producing graphic art, writing headlines and cutlines, and editing and proofreading copy, pages, and proof pages.

Prerequisites: Teacher approval; Newspaper I: Journalism and teacher approval

Advanced Journalism: Yearbook II (YBK2)	
Course #: 01325	***Credits: 1***
PEIMS #: 03230120	***Grades: 10-12***
Advanced Journalism: Literary Magazine II (LM2)	
Course #: 01329	***Credits: 1***
PEIMS #: 03230180	***Grades: 11-12***
Advanced Journalism: Newspaper II (NP2)	
Course #: 01363	***Credits: 1***
PEIMS #: 03230150	***Grades: 10-12***
This is a continuation of Advanced Journalism I with emphasis on refining and enhancing journalistic skills.	
Prerequisites: Advanced Journalism I; teacher approval recommended	

Advanced Journalism: Yearbook III (YBK3)	
Course #: 01341	***Credits: 1***
PEIMS #: 03230130	***Grades: 11-12***
Advanced Journalism: Literary Magazine III (LM3)	
Course #: 01429	***Credits: 1***
PEIMS #: 03230190	***Grades: 11-12***
Advanced Journalism: Newspaper III (NP3)	
Course #: 01365	***Credits: 1***
PEIMS #: 03230160	***Grades: 11-12***
This is a continuation of Advanced Journalism II with emphasis on refining and enhancing journalistic skills.	
Prerequisites: Advanced Journalism II; teacher approval recommended	

English I for Speakers of Other Languages (ENG1 SOL)	
Course #: 01123	***Credits: 1***
PEIMS #: 03200600	***Grades: 9-10***
English II for Speakers of Other Languages (ENG2 SOL)	
Course #: 01223	***Credits: 1***
PEIMS #: 03200700	***Grades: 9-10***
The goal of these classes is to increase the English proficiency of the students enrolled in these classes. These courses may be substituted for English I and II for immigrant students with limited English proficiency.	
Prerequisites: Designated Limited English Proficiency (LEP)	

Reading I (READ1)	
Course #: 01159	***Credits: 1***
PEIMS #: 03270700	***Grades: 9-10***
Reading II (READ2)	
Course #: 01259	***Credits: 1***
PEIMS #: 03270800	***Grades: 10-11***
Reading III (READ3)	
Course #: 01359	***Credits: 1***
PEIMS #: 03270900	***Grades: 11-12***
Reading I, II, and III offers students instruction in word recognition, comprehension strategies, and vocabulary to ensure that high school students have an opportunity to read with competence, confidence, and understanding. Students are given opportunities to locate information in varied sources, to read critically, to evaluate sources, and to draw supportable conclusions. Students learn how various texts are organized and how authors choose language for effect. All of these strategies are applied in texts that cross the subject fields.	

Visual Media Analysis and Production (VI MEDIA)	
Course #: 01381	***Credits: ½***
PEIMS #: 03221700	***Grades: 9-12***
This course involves students in the principles and techniques of the visual media as an artistic and informative medium. The students identify the purposes of visual media, analyze techniques used in visual media, recognize associated terminology, develop and use standards for analyzing visual media, recognize the origin and development of visual media, compare with other art forms, explore the emotional and intellectual effects of visual media on viewers, analyze the content and values of visual media, and study the relationship between subject matter and choice of media for presenting that subject matter. The students create projects outside of class.	
Prerequisites: None	
Debate I (DEBATE 1)	
Course #: 01246	***Credits: 1***
PEIMS #: 03240600	***Grades: 9-12***
Debate II (Debate 2)	
Course #: 01248	***Credits: 1***
PEIMS #: 03240700	***Grades: 10-12***
Debate III (DEBATE 3)	
Course #: 01346	***Credits: 1***
PEIMS #: 03240800	***Grades: 11-12***
These courses develop skills in analysis, research, and organization and provide opportunities to prepare and present debates in a variety of debate contexts. Debate I is a pre-competition class. Students may have the opportunity to debate in at least one TFA qualifying tournament. Major emphasis in Debate II and III will be placed on TFA, NFL, and UIL competition, which includes traveling to tournaments.	
Prerequisites: Debate I – none; Debate II and III – completion of Debate 1 and teacher approval recommended	

Oral Interpretation I (ORALINT1)

Course #: 01237 ***Credits: 1***

PEIMS #: 03240200 ***Grades: 9-12***

Oral Interpretation II (ORALINT2)

Course #: 01261 ***Credits: 1***

PEIMS #: 03240300 ***Grades: 10-12***

Oral Interpretation III (ORALINT3)

Course #: 01361 ***Credits: 1***

PEIMS #: 03240400 ***Grades: 10-12***

These courses furnish opportunities for students to develop competencies in analysis, adaptation, and performance of literature for an audience. Major emphasis in Oral Interpretation II and III will be placed on TFA, NFL and UIL competition.

Prerequisites: Oral Interpretation I – none; Oral Interpretation II and III – completion of Oral Interpretation I and teacher approval recommended

Public Speaking I (PUBSPKG1)

Course #: 01255 ***Credits: 1***

PEIMS #: 03240900 ***Grades: 9-12***

Public Speaking II (PUBSPKG2)

Course #: 01275 ***Credits: 1***

PEIMS #: 03241000 ***Grades: 10-12***

Public Speaking III (PUBSPKG3)

Course #: 01277 ***Credits: 1***

PEIMS #: 03241100 ***Grades: 10-12***

Emphasis in this course will be on the practical application of speech skills. The course will include an exploration of the following: concepts of rhetoric, outstanding public speakers of the past and present, topic selection, research skills, organization of ideas, selection of language, preparation and presentation of speeches, delivery skills, listening skills, and evaluation skills. Students will be expected to compete in speech competition.

Prerequisites: Public Speaking I – none; Public Speaking II and III – completion of Public Speaking I and teacher approval recommended

Independent Study/Speech (IND SPCH)

Course #: 01253 ***Credits: 1***

PEIMS #: 03241200 ***Grades: 10-12***

Independent study in speech provides opportunity for advanced students to plan, organize, produce, perform, and evaluate a project that enables them to develop advanced skills in communication, critical thinking, and problem-solving.

Prerequisites: Public Speaking I or Oral Interpretation I or Debate I and teacher approval recommended

Communication Applications (COMMAPP)

Course #: 01145 ***Credits: ½***

PEIMS #: 03241400 ***Grades: 9-12***

Subject areas included in this course are the identification, analysis, development, and evaluation of communication skills necessary for professional and social success in interpersonal situations, group interactions, and personal and professional presentations.

Prerequisites: None

Professional Communications (PROFCOMM)

Course #: 08823 ***Credits: ½***

PEIMS #: 13009900 ***Grades: 9-12***

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct internet research.

Prerequisites: None

Fine Arts

Note: For Communications Applications, Debate, Oral Interpretation, and Professional Communications see the English Language Arts and Reading section, pages 84-85

Art I (ART 1)

Course #: 02111 ***Credits: 1***

PEIMS #: 03500100 ***Grades: 9-12***

Art I provides the student an opportunity to develop skills in design, drawing, painting, printmaking, and sculpture. It includes four basic strands: perception; creative expression/performance; historical/cultural heritage; and critical evaluation. These provide unifying structures for organizing the knowledge and skills students are expected to acquire. Students will be required to use memory, imagination, and real life objects/experiences as sources for art works. This course cannot be entered at mid-term.

Prerequisites: None

PreAP Art I (ART 1 PREAP)

Course #: 02113 ***Credits: 1***

PEIMS #: 03500100 ***Grades: 9-12***

This course is designed for the art student that has shown advanced skills in middle school art. The student will continue developing (1) a sense of quality in their work and (2) decisive use of art elements and principles. This course cannot be entered at mid-term.

Prerequisites: Teacher approval recommended

PreAP Art II – Jewelry (ART2JWLR PREAP)

Course #: 02226 ***Credits: 1***

PEIMS #: 03501100 ***Grades: 9-12***

Students will explore jewelry and adornment from different cultures. Various materials will be used to create jewelry including clay, paper, metal, wire and fiber. Students will design and create their own individual jewelry pieces using elements and principles of design. This course cannot be entered at mid-term.

Prerequisites: Art I; teacher approval recommended

PreAP Art II – Drawing (ART2DRAW PREAP)

Course #: 02213 ***Credits: 1***

PEIMS #: 03500500 ***Grades: 9-12***

This course requires that students develop basic drawing skills using a variety of media. Drawing is approached as a final product. The basic strands established in Art I will be emphasized. This course cannot be entered at mid-term.

Prerequisites: Art I; teacher approval recommended

PreAP Art II – Sculpture (ART2SCLP PREAP)

Course #: 02224 ***Credits: 1***

PEIMS #: 03501000 ***Grades: 9-12***

In this course students will construct sculptures using additive and subtractive methods in a variety of media. 3D design concepts such as form, plane and light, depth and space will be explored.

Prerequisites: Art I; teacher approval recommended

PreAP Art II – Photography (ART2PHTO PREAP)

Course #: 02229 ***Credits: 1***

PEIMS #: 03501200 ***Grades: 9-12***

This course introduces the student to advanced applied and aesthetic aspects of digital and traditional photography. Content includes a study of different digital and film camera types, parts and operation, fundaments of digital and traditional film photography and imaging, composition, and natural and artificial lighting. Emphasis will be on the digital aspects of this course. This course cannot be entered at mid-term.

Prerequisites: Art I; teacher approval recommended

PreAP Art III– Drawing (ART3DRAW PREAP)

Course #: 02325 ***Credits: 1***

PEIMS #: 03501300 ***Grades: 10-12***

In this course, the student is required to draw in depth and will develop the ability to plan and execute drawings as the basis for painting, printmaking, and sculpture. This is a prerequisite for AP 2D Design Portfolio, AP 3D Design Portfolio, and AP Art Drawing Portfolio. This course cannot be entered at mid-term.

Prerequisites: Art II Drawing; teacher approval recommended

PreAP Art III– Photography (ART3PHTO PREAP)

Course #: 02423 ***Credits: 1***

PEIMS #: 03502200 ***Grades: 10-12***

This course introduces the student to advanced digital photography techniques, creative digital imaging, darkroom and alternative processes, and printing for competitions and exhibitions. Emphasis is placed upon preparation for entry into AP Two-Dimensional Design Portfolio (Photography/Digital Imaging). This course cannot be entered at mid-term.

Prerequisites: Art II Photography; teacher approval recommended

AP Art/Drawing (APSTARTD)

Course #: 02301 ***Credits: 1***

PEIMS #: A3500300 ***Grades: 11-12***

The requirements for this course reflect three major concerns: a sense of quality in a student's work; the student's concentration on a particular visual interest or problem; and the student's need for breadth of experience in the formal, technical, and expressive means of the arts. During this course, the student will be introduced to a variety of problems in drawing. Students are expected to make application to the College Board and submit their portfolios for possible college credit. This course cannot be entered at mid-term. Students are expected to submit an AP portfolio.

Prerequisites: Art II; teacher approval recommended

AP Art/Two-Dimensional Design Portfolio (Art Levels III & IV) (AP2DDP)

Course #: 02414 ***Credits: 1***

PEIMS #: A3500400 ***Grades: 11-12***

This portfolio is intended to address a very broad interpretation of two-dimensional design issues. This type of design involves purposeful decision-making about the use the elements and principles of art in an integrative way. The elements of design (line, shape, illusion of space, illusion of motion, pattern, texture, value, and color) are like a palette of possibilities that artists use to express themselves. For this portfolio, students are asked to demonstrate proficiency in two-dimensional design using a variety of art forms such as graphic design, typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking. This course cannot be entered at mid-term. Students are expected to submit an AP portfolio.

Prerequisites: Art II; teacher approval recommended

AP Art/Three-Dimensional Design Portfolio (Art Levels III & IV) (AP3DDP)

Course #: 02514 ***Credits: 1***

PEIMS #: A3500500 ***Grades: 11-12***

This portfolio is intended to address a broad interpretation of sculptural issues in depth and space. These may include mass, volume, form, plane, light, and texture. Such elements and concepts can be articulated through additive, subtractive, and/or fabrication processes. A variety of approaches to representation, abstraction, and expression may be part of the student's portfolio. These might include, among others, traditional sculpture, architectural models, apparel, ceramics, three-dimensional fiber art or metal work. Students are expected to submit an AP Portfolio. This course cannot be entered at mid-term.

Prerequisites: Art II; teacher approval recommended

AP History of Art (APHISART)

Course #: 02314 ***Credits: 1***

PEIMS #: A3500100 ***Grades: 11-12***

This course is designed to provide the same benefits to secondary school students as are provided by an introductory college course in art history and the understanding and enjoyment of architecture, sculpture, painting, and other art forms with an historical and cultural context. The students will examine major forms of artistic expression and learn to look at works of art critically, with intelligence and sensitivity, and to articulate what they see or experience. Students are expected to make application to the College Board and take the AP exam for possible college credit. This course cannot be entered at mid-term. Students are expected to take the AP exam.

Prerequisites: Teacher approval recommended

Theatre Arts I (TH1)

Course #: 02231 ***Credits: 1***

PEIMS #: 03250100 ***Grades: 9-12***

This is the first course in theatre, introducing theatre as an art, and beginning the study of the cultural contributions of the theatre, its plays and its performance, its production styles and techniques. The course introduces basic acting, the role of the actor in interpreting dramatic literature, and the historical evolution of performance styles. This course cannot be entered at mid-term.

Prerequisites: None

Theatre Arts II (TH2)

Course #: 02331 ***Credits: 1***

PEIMS #: 03250200 ***Grades: 10-12***

Theatre Arts III (TH3)

Course #: 02431 ***Credits: 1***

PEIMS #: 03250300 ***Grades: 11-12***

Theatre Arts IV (TH4)

Course #: 02433 ***Credits: 1***

PEIMS #: 03250400 ***Grade: 12***

These courses build on the background established in Theatre I, continuing the study of the cultural contributions of the theatre, its plays, and its performance and production styles and techniques. Basic principles of production are studied and applied through performances in various theatrical modes. Each level of theatre will require a greater degree of understanding and competency in technique and performance. This course cannot be entered at mid-term.

Prerequisites: Theatre I, audition and teacher approval

Technical Theatre I (TH1TECH)

Course #: 02241 ***Credits: 1***

PEIMS: 03250500 ***Grades: 10-12***

Technical Theatre II (TH2TECH)

Course #: 02341 ***Credits: 1***

PEIMS: 03250600 ***Grades: 11-12***

Technical Theatre III (TH3TECH)

Course #: 02441 ***Credits: 1***

PEIMS: 03251100 ***Grades: 12***

This course combines theories of design and stage-craft techniques with construction and operation of the various elements of technical theatre. This course cannot be entered at mid-term.

Prerequisites: Teacher approval

Theatre Production I (TH1PROD)

Course #: 02381 ***Credits: 1***

PEIMS #: 03250700 ***Grades: 9-12***

Theatre Production II (TH2PROD)

Course #: 02383 ***Credits: 1***

PEIMS #: 03250800 ***Grades: 10-12***

Theatre Production III (TH3PROD)

Course #: 02385 ***Credits: 1***

PEIMS #: 03250900 ***Grades: 11-12***

Theatre Production IV (TH4PROD)

Course #: 02387 ***Credits: 1***

PEIMS #: 03251000 ***Grade: 12***

Students will develop and practice acting concepts, skills, and many technical phases of theatre production. Students will also be provided opportunities to grow aesthetically through participation and observation of theatre events.

Prerequisites: Audition and teacher approval

Theatre and Media Communications 1 (TH1MCOM)

Course #: 02389 ***Credits: 1***

PEIMS #: 03251300 ***Grades: 9-12***

Theatre and Media Communication 1 provides students with a rigorous and relevant experiential study of theatre along with video and audio design. Creation and analysis of student performances will be balanced with explorations into contemporary practices in digital media. Students will learn how to bridge traditional stagecraft with current technology applications to create new digital media. The course will include a major project to address local issues within the community. This project will afford students an opportunity to learn and practice creative research skills, develop a narrative, engage an audience, and connect an online community to their project.

Prerequisites: None

Band 1, 2, 3, 4 (MUS1BAND)

Course #: 02852 ***Credits: 1***

PEIMS #: 03150300 ***Grades: 9-12***

Band Flag/Guard 1, 1, 3, 4 (MUS1BAND)

Course #: 02353 ***Credits:***

PEIMS: 03150300 ***Grades:***

This course is open to students with previous instrumental training. Admission is by audition. First semester is devoted basically to preparation for marching contests, football halftime, pep rallies, parades, and Christmas literature. Second semester is usually devoted to concerts, contests, festivals, and individual achievements such as solo and ensemble contests and region, area, and state band tryouts.

Prerequisites: Director approval

Jazz Band (MUS1JZBN)

Course #: 02757 ***Credits: 1***

PEIMS #: 03151400 ***Grades: 9-12***

Jazz band explores various musical styles including jazz, blues, Funk, big band, cool, rock, and other popular forms. Available at Abilene High and Cooper High Schools.

Prerequisites: Member of band and director approval

STEEL DRUM BAND (MUS1INEN)

Course #: 02756 ***Credits: 1***

PEIMS #: 03151800 ***Grades: 9-12***

This course explores various musical styles including Afro-Cuban, Latin, and Caribbean. Students will learn the origins of steel drums and the history of the Trinidad/Tobago region. Outside performances are an expectation of this course. **(Abilene High school only)**

Prerequisites: Music reading ability, audition, and director approval

Choir 1, 2, 3, 4 (MUS1CHOR)

Course #: 02860 ***Credits: 1***

PEIMS #: 03151100 ***Grades: 9-12***

These courses are open to students with and without previous vocal training. There is continued vocal training with emphasis on tone production, sight-reading, and a variety of choral literature.

Prerequisites: Director approval

Vocal Ensemble (MUS1VOEN)

Course #: 02950 ***Credits: 1***

PEIMS #: 03152300 ***Grades: 9-12***

Vocal ensemble is composed of selected students who demonstrate advanced skills in vocal maturity and an acquaintance with a variety of musical styles.

Prerequisites: Director approval

Orchestra 1, 2, 3, 4 (MUS1ORCH)

Course #: 02858 ***Credits: 1***

PEIMS #: 03150700 ***Grades: 9-12***

This is a course for orchestra students. Style and technical skills are explored through the use of a variety of orchestral literature.

Prerequisites: Director approval

AP Music Theory (APMUSTHY)

Course #: 02701 ***Credits: 1***

PEIMS #: A3150200 ***Grades: 11-12***

This course is designed to prepare students to take the College Board AP Music Theory exam. This course is designed to develop a student's ability to recognize, understand and describe the basic materials and processes of music that are heard or presented in a score. This course cannot be entered at mid-term. Students are expected to take the AP exam.

Prerequisites: Teacher approval and ability to read music

Orchestra Ensemble

Course #: 02966 ***Credits:1***

PEIMS #: 03151900 ***Grades: 9-12***

Revolution Strings is an ensemble composed of violins, violas, cellos, a bassist, a guitarist, and a drummer. Their performances highlight country fiddle music, Celtic stylings, and other popular music genres to combine showmanship, choreography, and musicianship. This ensemble has travelled extensively across the nation and to international locations since their founding in 2006. Students audition each spring for the upcoming school year.

Prerequisites: Director approval

See page 115 in the English Language Arts and Reading section for course description on Oral Interpretation, Public Speaking, Communication Applications, and Professional Communications.

Health

Health Education (HLTH ED)

Course #: 04201 ***Credits: ½***

PEIMS #: 03810100 ***Grades: 9-12***

Topics are addressed that assist the students in understanding a healthy lifestyle, including body systems, substance abuse, accident prevention, human sexuality, mental health, disease control, self-esteem, and decision-making.

Prerequisites: Recommended for 9th grade students

Advanced Health Education (ADHLTHED)

Course #: 04301 ***Credits: ½***

PEIMS #: 03810200 ***Grades: 9-12***

Students are provided opportunities for researching, discussing, and analyzing health issues. This higher level of involvement provides students with experiences designed to reinforce positive health behaviors. Students are given the opportunity to learn more about technology, how it affects health, and how to use electronic technology to gain health information. The emphasis in this course is less related to learning facts and more related to providing students with the skills necessary to access their own health information and services and become health literate.

Prerequisites: Health Education recommended

Sports Medicine I (SPORTMD1)

Course #: 04205 ***1 state elective credit***

PEIMS #: N1150040 ***Grades: 10-12***

This course provides 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. Ninth graders may take the course during the Spring semester with teacher approval. **Offered at Abilene High School only.**

Prerequisites: None

Sports Medicine II (SPORTMD2)

Course #: 04207 ***1 state elective credit***

PEIMS #: N1150041 ***Grades: 10-12***

This course is designed for athletic training students. It provides an in-depth study and application of the components of sports medicine including but not limited to: basic rehabilitative techniques; therapeutic modalities; wound care, taping and bandaging techniques, prevention, recognition, and care of musculoskeletal injuries; injuries to the young athlete; drugs in sports; modern issues in sports medicine. Individualized and independent assignments will be included in this course. This course will involve outside-of-class time homework and time required working with athletes and athletic teams. This course compliments the classroom preparation of a student wishing to work in the actual sports medicine arena, by working as an athletic training student with the various sports teams offered in high school. **Offered at Abilene High School only.**

Prerequisites: Sports Medicine I and instructor approval

Sports Medicine III (SPORTMD3)

Course #: 04209 ***1 state elective credit***

PEIMS #: N1150044 ***Grades: 11-12***

This course provides athletic training students the opportunity to continue to perform the assigned duties and responsibilities in the operation of the athletic training room. The assigned duties will enhance the knowledge and skills acquired in the sports medicine course curriculum. **This course is only offered at Abilene High.**

Prerequisites: Sports Medicine I and II, and instructor approval

Languages Other Than English

Spanish I (SPAN I)

Course #: 03141 ***Credits: 1***

PEIMS #: 03440100 ***Grades: 9-12***

Students will acquire listening, speaking, reading, and writing skills, and concepts at the novice level that result in the understanding of simple, routine situations. Students will also be made aware of concepts which result in the knowledge and awareness of the history and culture of another people. This course cannot be entered at mid-term.

Prerequisites: None

PreAP Spanish I (SPAN I PREAP)

Course #: 03144 ***Credits: 1***

PEIMS #: 03440100 ***Grades: 9-12***

This college preparatory course will focus on skills necessary for success in Advanced Placement classes. The course content will be covered in greater depth and/or at an accelerated pace. Student skills will include listening, speaking, reading, and writing of concepts at the novice level that will result in the understanding of simple, routine situations. Students will be made aware of the history and culture of another people. This course cannot be entered at mid-term.

Prerequisites: None

Spanish II (SPAN 2)

Course #: 03244 ***Credits: 1***

PEIMS #: 03440200 ***Grades: 9-12***

Students will continue to acquire listening, speaking, reading, and writing skills, and concepts at the novice level that result in the understanding of most routine questions, statements, and commands along with the ability to respond and to reproduce vocabulary sufficient to express themselves in everyday situations. Students will study the history and culture of another people within a range of different situations. Students will be aware of generalizations about how a language operates and the skills that result in the application of the language learning process to the study of other languages. This course cannot be entered at mid-term.

Prerequisites: Spanish I

PreAP Spanish II (SPAN 2 PREAP)

Course #: 03344 ***Credits: 1***

PEIMS #: 03440200 ***Grades: 9-12***

This college preparatory course will focus on skills necessary for success in Advanced Placement classes. Subject matter will be covered in greater depth and/or at an accelerated pace. Students will acquire listening, speaking, reading, and writing skills that result in the understanding of most routine questions, statements, and commands along with the ability to respond and to reproduce vocabulary sufficient to express themselves in everyday situations. Students will study the history and culture of another people within a range of different situations. This course cannot be entered at mid-term.

Prerequisites: Spanish 1 or PreAP Spanish I

PreAP Spanish III (SPAN 3 PREAP)

Course #: 03249 ***Credits: 1***

PEIMS #: 03440300 ***Grades: 10-12***

This preparatory course covers material in depth and prepares the student for AP Spanish IV. The following skills will be included in the course: listening and speaking on an intermediate-ability level emphasizing extemporaneous speech and comprehension of native-speakers; reading and writing on an intermediate-ability level emphasizing classical and/or contemporary literature and original compositions; cultural experiences emphasizing the awareness and knowledge of cultural differences; grammatical structure on an intermediate-ability level emphasizing mechanics and vocabulary. This course cannot be entered at mid-term.

Prerequisites: Spanish II or PreAP Spanish II

AP Spanish IV (APSPALAN)

Course #: 03446 ***Credits: 1***

PEIMS #: A3440100 ***Grades: 10-12***

This course emphasizes the use of the language for active communication and develops the following skills: the ability to comprehend formal and informal spoken Spanish; acquisition of vocabulary and a grasp of structure to allow the easy, accurate reading of newspaper and magazine articles, as well as of modern literature in Spanish; the ability to compose expository passages; and the ability to express ideas orally with accuracy and fluency. Course emphasizes preparation for the AP Spanish Language Exam. This course cannot be entered at mid-term. Students are expected to take the AP exam.

Prerequisites: PreAP Spanish III or teacher recommendation

AP Spanish V (APSPALIT)

Course #: 03546 ***Credits: 1***

PEIMS #: A3440200 ***Grades: 11-12***

This course emphasizes advanced reading and writing skills; introduces students to the diverse literature written in Spanish and helps them reflect on the many voices and cultures with an extensive reading list including works from seven centuries of Hispanic literature; course also requires advanced ability to express ideas in writing with accuracy and fluency; course emphasizes preparation for the AP Spanish Literature Exam. This course cannot be entered at mid-term. Students are expected to take the AP exam.

Prerequisites: AP Spanish IV or teacher recommendation

French I (FREN 1)

Course #: 03221 ***Credits: 1***

PEIMS #: 03410100 ***Grades: 9-12***

Listening, speaking, reading and writing skills, and concepts that result in the understanding of most routine situations will be taught. Students will be made aware of concepts which result in the knowledge and awareness of the history and cultures of other people. This course cannot be entered at mid-term.

Prerequisites: None

French II (FREN 2)	
Course #: 03224	***Credits: 1***
PEIMS #: 03410200	***Grades: 9-12***
The students will acquire listening, speaking, reading and writing skills, and concepts that result in the understanding of most routine questions, statements, and commands along with the ability to respond and to reproduce vocabulary sufficient to express themselves in everyday situations. The students will study the history and cultures of other people within a range of different situations. The students will be aware of generalizations about how a language operates and the skills that result in the application of the language learning process to the study of other languages. This course cannot be entered at mid-term.	
Prerequisites: French I	

PreAP French II (FREN 2 PREAP)	
Course #: 03326	***Credits: 1***
PEIMS #: 03410200	***Grades: 10-12***
This college preparatory course will focus on skills necessary for success in Advanced Placement classes. Subject matter will be covered in greater depth and/or at an accelerated pace. Students will acquire listening, speaking, reading, and writing skills that result in the understanding of most routine questions, statements, and commands along with the ability to respond and to reproduce vocabulary sufficient to express themselves in everyday situations. Students will study the history and cultures of other people within a range of different situations. This course cannot be entered at mid-term.	
Prerequisites: French I	

PreAP French III (FREN 3 PREAP)	
Course #: 03228	***Credits: 1***
PEIMS #: 03410300	***Grades: 10-12***
This college preparatory course covers material in depth and prepares the student for AP French 4. The following skills will be included in the course: listening and speaking on an intermediate-ability level emphasizing extemporaneous speech and comprehension of native-speakers; reading and writing on an intermediate-ability level emphasizing classical and/or contemporary literature and original composition; culture experiences emphasizing the awareness and knowledge of cultural differences; grammatical structure on an intermediate-ability level emphasizing mechanics vocabulary. This course cannot be entered at mid-term.	
Prerequisites: French II	

AP French IV (APFR LAN)	
Course #: 03328	***Credits: 1***
PEIMS #: A3410100	***Grades: 10-12***
This course emphasizes the use of the language for active communication and develops the following skills: the ability to understand spoken French in various contexts: a French vocabulary sufficiently ample for reading newspaper and magazine articles, literary texts, and other non-technical writings without dependence on a dictionary; and for viewing, understanding and responding to global current events via TV and/or technology; and the ability to express ideas coherently, resourcefully, and with reasonable fluency and accuracy in both written and spoken French. Course emphasizes preparation for the AP French Language Exam. This course cannot be entered at mid-term. Students are expected to take the AP exam.	
Prerequisites: French III	

Mathematics

Algebra I (ALG 1)

Course #: 05141 ***Credits: 1***

PEIMS #: 03100500 ***Grades: 9-12***

Algebra I provides the foundation concepts for Algebra 2, Geometry, and all high school mathematics. It establishes concepts in the areas of number operations, quantitative reasoning, algebraic thinking, and symbolic reasoning. An emphasis is placed on function concepts, the relationship between equations, and the use of these to model real world applications. Preparation for End of Course testing will be included.

Prerequisites: None

PreAP Algebra I (ALG 1 PREAP)

Course #: 05101 ***Credits: 1***

PEIMS #: 03100500 ***Grades: 9-12***

This college-preparatory course covers the same material presented in regular Algebra I. Concepts will be explored in greater depth and problem-solving will be more varied and demanding. Technology including the graphing calculator and the computer will be used to a greater extent than in Algebra I. Additional topics to be covered are geometric representations of algebraic situations, quadratic systems with parabolas, and absolute value equations and inequalities. Preparation for End of Course testing will be included.

Prerequisites: None

Geometry (GEOM)

Course #: 05251 ***Credits: 1***

PEIMS #: 03100700 ***Grades: 9-12***

Geometry is a college-preparatory course as well as preparation for school-to-work programs. Geometry consists of the study of geometric figures of zero, one, two, and three dimensions and the relationships among them. Connections are made between geometric concepts and solving real world problems by using a variety of representations (concrete, pictorial, algebraic, and coordinate), tools, technology, applications and modeling, logical reasoning, justification, and proof.

Prerequisites: Algebra 1

PreAP Geometry (GEOM PREAP)

Course #: 05203 ***Credits: 1***

PEIMS #: 03100700 ***Grades: 9-12***

This college-preparatory course will contain the Texas Essential Knowledge and Skills in the regular geometry course. Concepts will be explored in greater depth and with rigor designed to properly prepare students to be successful in Pre-Advanced Placement Algebra 2. Preparation for End of Course testing will be included.

Prerequisites: Algebra I

Mathematical Models With Applications (MTHMOD)

Course #: 05135 ***Credits: 1***

PEIMS #: 03102400 ***Grades: 10-12***

This course is offered as a bridge to Algebra II. Algebra I and Geometry concepts will be revisited. In addition, students will be introduced to applied math in real world situations, including personal finance (budgeting, insurance, savings, and credit.) This course may not fulfill the math entrance requirements of some colleges. Semesters are independent of each other. NOTE: Math Models must be taken before Algebra II to meet requirements of the Recommended Graduation Plan.

Prerequisites: Algebra I; Geometry recommended

Algebra II (ALG 2)

Course #: 05241 ***Credits: 1***

PEIMS #: 03100600 ***Grades: 9-12***

Progression through the algebra concepts taught in this course allows students to develop logical reasoning and problem-solving skills vital in today's technology-oriented world. It prepares students for either school-to-work programs or progression to higher mathematics needed for post-secondary studies. It emphasizes the need to master functional relationships and employ them to problem-solve real situations. It provides access to current technology that allows table building, coordinate graphing, algebraic analysis, and computation. It encompasses the study of algebraic functions using data analysis, matrices, factoring, complex numbers, properties of exponents, graphs, and tables. The relationships between algebra and geometry are continuously integrated into the course. Abstract algebra concepts and their geometric graphs are linked together for such functions as linear, quadratic, radical, inverse, exponential, and logarithmic functions. Graphs of circles, ellipses, parabolas, and hyperbolas (the conic sections), and their respective algebraic descriptions are also studied and applied.

Prerequisites: Algebra I; Geometry recommended; Geometry can be taken concurrently

PreAP Algebra II (ALG 2 PREAP)

Course #: 05201 ***Credits: 1***

PEIMS #: 03100600 ***Grades: 9-12***

This college-preparatory course covers the same material presented in regular Algebra II in addition to other topics that will better prepare students for Pre-Advanced Placement Pre-Calculus. Concepts will be explored in greater depth and problem-solving will be more varied and demanding.

Prerequisites: Algebra I; Geometry recommended; Geometry can be taken concurrently

Pre-Calculus (PRE CALC)

Course #: 05353 ***Credits: 1***

PEIMS #: 03101100 ***Grades: 10-12***

Pre-Calculus combines the use of the real number coordinate system with an extensive study of functions and their graphs, including trigonometric functions and their periodicity, inverse, composite, polynomial, rational, exponential, and logarithmic functions. Functions, sequences and series, conic sections, parametric representations, and vectors will be used to model real life situations.

Prerequisites: Algebra I and II and Geometry

PreAP Pre-Calculus (PRE CALC PREAP)

Course #: 05301 ***Credits: 1***

PEIMS #: 03101100 ***Grades: 10-12***

This college-preparatory course is intended for students who have displayed a high degree of understanding in their previous math courses. It is designed to prepare students for AP Calculus. It includes the same concepts covered in Pre-Calculus but explored in greater depth, and problem solving will be more varied and demanding.

Prerequisites: Algebra II; Geometry recommended

AP Calculus AB (APCALCAB)

Course #: 05403 ***Credits: 1***

PEIMS #: A3100101 ***Grades: 11-12***

This course will follow the course description for AP Calculus AB as defined by the college board. Students will be taught the Texas Essential Knowledge and Skills of calculus such as applying limit theorems, continuity, differentiation and integration of algebraic and transcendental (trigonometric, exponential, and logarithmic) functions. Also, applications of first and second derivatives including curve sketching, velocity and acceleration, maxima and minima, and related rates are covered. Indefinite and definite integration including applications are presented. Other subjects covered are: differentiating composite functions using the chain rule, implicit differentiation problems, and other integration methods. Graphing calculator skills are required for solving some problems. Preparation for the College Board AP Calculus Exam is emphasized. Students are expected to take the AP exam.

Prerequisites: Pre-Calculus

Statistics And Business Decision Making* (STATSBDM)

Course #: 08840 ***Credits: 1***

PEIMS #: 13016900 ***Grades: 11-12***

This course in an introduction to statistics and the application of statistics to business decision making. Students will use statistics to make business decisions and will determine appropriateness of methods used to collect data to ensure conclusions are valid.

Prerequisites: Algebra II

AP Statistics (APSTATS)

Course #: 05405 ***Credits: 1***

PEIMS #: A3100200 ***Grades: 11-12***

This course will follow the course description for AP Statistics as defined by the college board. Students will be introduced to the major concepts and tools to collect, analyze, and draw conclusions from data. Topics are divided into four major themes: exploratory analysis, planning a study, probability, and statistical inference. Preparation for the College Board AP Statistics Exam is emphasized. Students are expected to take the AP exam.

Prerequisites: Algebra II and Geometry; Juniors concurrently enrolled in Pre-Calculus recommended

Independent Study In Math I (INSTUMTH)

Course #: 05355 ***Credits: 1***

PEIMS #: 03102500 ***Grades: 9-12***

Prerequisites: Geometry and Algebra II

Independent Study In Math II (INSTMTH2)

Course #: 05356 ***Credits: 1***

PEIMS #: 03102501 ***Grades: 11-12***

Prerequisites: Geometry and Algebra II

Math in Agriculture, Food and Natural Resources* (MATHAFNR)

Course #: 08919 ***Credits: 1***

PEIMS #: 13001000 ***Grades: 12***

To be prepared for careers in agriculture, food, and natural resources, students must acquire technical knowledge in the discipline as well as apply academic skills in mathematics. Students should apply knowledge and skills related to mathematics, including algebra, geometry, and data analysis in the context of agriculture, food, and natural resources. To prepare for success, students are afforded opportunities to reinforce, apply, and transfer their knowledge and skills related to mathematics in a variety of contexts.

Prerequisites: Recommended 1 credit from the courses in the Agriculture, Food, and Natural Resources cluster.

*Advanced CTE course

AP Computer Science A (APTACSA)

Course #: 09105 ***Credits: 2***

PEIMS #: A3580100 ***Grades: 11-12***

AP Computer Science A is equivalent to a college-level course in computer science/programming. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of the 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. This course provides instruction in all Texas Essential Knowledge and Skills required for Computer Science 1 and Computer Science II. Students may fulfill the graduation requirement of two years of foreign language (Computer Science 1 and II) or elective credit with successful completion of this course. This course may not be entered at midterm.

Prerequisites: Credit or concurrent enrollment in pre-calculus or calculus

College Preparatory Math (CPMAT)

Course #: 05259 ***Credits: 1***

PEIMS #: CP111200 ***Grade: 12***

This course is designed to prepare 12th grade students for success in entry-level college math courses. Topics include the Real Number System, Algebraic Reasoning, Functions, Equations, Inequalities, and Quadratics. Students will work to increase math skills and problem-solving ability as they prepare for success on the TSI assessment as a measure of college readiness. This is an advanced fourth math credit for the Foundation Plan and Endorsements. The course is an elective credit for other graduation plans. It is not eligible for dual credit. Students may earn ½ credit for one semester.

Prerequisites: Three math credits prior to enrollment

Financial Mathematics (FINMATH)

Course #: 08939 ***Credits: 1***

PEIMS #: 1301800 ***Grades: 10-12***

This course is about personal money management. Students will apply critical-thinking to analyze personal financial decisions based on current and projected economic factors including career and postsecondary education planning. Topics include employment earnings, taxation, credit, housing, transportation, investments, and insurance.

Prerequisites: Three math credits prior to enrollment

Algebraic Reasoning

Course #: 05367 ***Credits: 1***

PEIMS #: 03102540 ***Grades: 10-12***

This course will build upon the knowledge and skills for math from Kindergarten through Algebra 1 in order to develop a deeper understanding of algebraic reasoning. Topics include functions, relationships, patterns, numeric reasoning and data to increase workforce and college readiness.

Prerequisites: Algebra 1

Physical Education

Foundations of Personal Fitness (PEFOUND)	
Course #: 04900	***Credits: ½-1***
PEIMS #: PES00052	***Grades: 9-12***
This course will use a textbook in conjunction with fitness-related activities. The basic purpose of this course is to encourage students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness.	
PREREQUISITES: None	

Individual or Team Sports (PEITS)	
Course #: 04903	***Credits: ½-1***
PEIMS #: PES00055	***Grades: 9-12***
This class is designed for the development of health-related fitness through the selection of individual or team sport activities that can be pursued for a lifetime.	
Prerequisites: None	

Aerobic Activities (PEAA)	
Course #: 04902	***Credits: ½-1***
PEIMS #: PES00054	***Grades: 9-12***
Students in aerobic activities and weight training are exposed to a variety of activities that promote health-related fitness. A major expectation is for the student to design a personal fitness program that uses aerobic activities and weight training as a foundation.	
Prerequisites: None	

Adventure/Outdoor Education (PEAOA)	
Course #: 04901	***Credits: ½-1***
PEIMS: PES00053	***Grades: 9-12***
Adventure/Outdoor Education is expected to develop competency in outdoor education activities that provide opportunities for enjoyment and challenge which enhances a physically active lifestyle. These activities promote a respect for the environment and can be enjoyed for a lifetime.	
Prerequisites: None	

PE Substitution - Cheerleading (SUBCHLDG) (first time taken)	
Course #: 04972	***Credits: 1***
PEIMS: PES00013	***Grades: 9-12***
Cheerleading (CHEERLEADI) (each year thereafter)	
Course #: 04973	***local credit only***
PEIMS: 84200013	***Grades: 9-12***
Prerequisites: None	

PE Substitution - Pep Squad (SUBCHLDG) (first time taken)	
Course #: 04942	***Credits: 1***
PEIMS: PES00013	***Grades: 9-12***
Pep Squad (PEP SQUAD) (each year thereafter)	
Course #: 04943	***local credit only***
PEIMS: 84200015	***Grades: 9-12***
Prerequisites: None	

PE Substitution - Drill Team (SUBDT) (first time taken)	
Course #: 04974	***Credits: 1***
PEIMS: PES00014	***Grades: 9-12***
Drill Team (DRILL TEAM) (each year thereafter)	
Course #: 04975	***local credit only***
PEIMS: 84200014	***Grades: 9-12***
Prerequisites: None	

PE Substitution - Athletics (SUBATHL1)	
Grades: 9-12	***Credits: 1***
Football Course #: 04930	***PEIMS #: PES00002***
Tennis Course #: 04962	***PEIMS #: PES00002***
Baseball Course #: 04922	***PEIMS #: PES00002***
Soccer Course #: 04950	***PEIMS #: PES00002***
Swimming Course #: 04958	***PEIMS #: PES00002***
Softball Course #: 04954	***PEIMS #: PES00002***
Basketball Course #: 04926	***PEIMS #: PES00002***
Volleyball Course #: 04970	***PEIMS #: PES00002***
Gymnastics Course #: 04938	***PEIMS #: PES00002***
Golf Course #: 04934	***PEIMS #: PES00002***
Track Course #: 04966	***PEIMS #: PES00002***
Cross Country #:04982	***PEIMS #: PES00002***
Powerlifting Course #: 04946	***PEIMS #: PES00002***
Prerequisites: Tryout and teacher approval	

Dance	
Course #: 02266	***Credits:***
PEIMS #: 02830300	***Grades:***
Prerequisites:	

For students who participate in a physical activity program such as karate, dance, gymnastics, etc... Please see page 7 for information about receiving PE credit.

Science

Biology (BIO)

Course #: 06121 ***Credits: 1***

PEIMS #: 03010200 ***Grades: 9-10***

In Biology, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem-solving. Students in biology study a variety of topics that include the following: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; and plants and the environment. Preparation for End of Course testing will be included.

Prerequisites: None

PreAP Biology (BIO PREAP)

Course #: 06201 ***Credits: 1***

PEIMS #: 03010200 ***Grades: 9-10***

In PreAP Biology, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem-solving. Students in biology study a variety of topics that include the following: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; and plants and the environment. Students will be expected to perform on an advanced level in preparation for further upper-level science courses. Preparation for End of Course testing will be included.

Prerequisites: None

AP Biology (AP-BIO)

Course #: 06373 ***Credits: 1***

PEIMS #: A3010200 ***Grades: 11-12 (10th grade with teacher recommendation)***

The Advanced Placement Biology course is designed to be the equivalent of a college introductory biology course. The course will include those topics regularly covered in a college biology course, and differs from standard high school biology with respect to the kind of textbook used, the range and depth of topics covered, the kind of laboratory work done by students, and the time and effort required of students. The course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Content requirements for AP Biology are prescribed in the College Board Publication Advanced Placement Course Description: Biology, published by the College Board. Students are expected to take the AP exam.

Prerequisites: Biology I, Chemistry and Physics recommended (may be taken concurrently).

Chemistry (CHEM)

Course #: 06263 ***Credits: 1***

PEIMS #: 03040000 ***Grades: 10-12***

In Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. Students study a variety of topics that include the following: characteristics of matter; energy transformations during physical and chemical changes; atomic structure; periodic table of elements; behavior of gases; bonding; nuclear fusion and nuclear fission; oxidation-reduction reactions; chemical equations; solutes; properties of solutions; acids and bases; molar relationships; and chemical reactions. Students will investigate how chemistry is an integral part of our daily lives.

Prerequisites: Algebra I; Biology recommended. Completion or concurrent enrollment in a second year of math recommended. (If IPC is taken it must be completed before enrolling in chemistry or physics.)

PreAP Chemistry (CHEM PREAP)

Course #: 06203 ***Credits: 1***

PEIMS #: 03040000 ***Grades: 10-12 (9th grade with teacher recommendation)***

In PreAP Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. Students study a variety of topics that include the following: characteristics of matter; energy transformations during physical and chemical changes; atomic structure; periodic table of elements; behavior of gases; bonding; nuclear fusion and nuclear fission; oxidation-reduction reactions; chemical equations; solutes; properties of solutions; acids and bases; molar relationships; and chemical reactions. Students will investigate how chemistry is an integral part of our daily lives. Students will be expected to perform on an advanced level in preparation for further upper-level science courses.

Prerequisites: Algebra I; Biology recommended. Completion or concurrent enrollment in a second year of math recommended (If IPC is taken it must be completed before enrolling in chemistry or physics.)

AP Chemistry (AP-CHEM)

Course #: 06473 ***Credits: 1***

PEIMS #: A3040000 ***Grades: 11-12 (10th grade with teacher recommendation)***

The Advanced Placement Chemistry course is designed to be the equivalent of the General Chemistry course usually taken during the first college year. For some students, this course enables them to undertake, as college freshmen, second-year work in the chemistry sequence, or to register in courses in other fields where general chemistry is a prerequisite. For other students, the AP Chemistry course fulfills the laboratory science requirement and frees time for other courses. This course differs from high school Chemistry I with respect to the kind of textbook used, the topics covered, the emphasis on chemical calculation and the mathematical formulation of principles, and the kind of laboratory work done by students. Quantitative differences appear in the number of topics treated, the time spent on the course by students, and the nature and the variety of experiments done in the laboratory. Content requirements for AP Chemistry are prescribed in the College Board Publication Advanced Placement Course Description: Chemistry, published by the College Board. Students are expected to take the AP exam.

Prerequisites: Algebra II and Biology; Chemistry or Physics recommended (may be taken concurrently).

Physics (PHYSICS)

Course #: 06371 ***Credits: 1***

PEIMS #: 03050000 ***Grades: 11-12***

In Physics, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. Students study a variety of topics that include the following: laws of motion, changes within physical systems and conservation of energy and momentum; force; thermodynamics; characteristics and behavior of waves; and quantum physics. This course provides students with a conceptual framework, factual knowledge, analytical, and scientific skills.

Prerequisites: Algebra I and Biology recommended. (IPC is not a prerequisite. If IPC is taken it must be completed before enrolling in chemistry or physics.)

AP Physics 1: Algebra-Based (APPHYS1)

Course #: 06427 ***Credits: 1***

PEIMS #: A3050003 ***Grade: 11-12***

AP Physics 1: 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. The focus is on a series of learning objectives that clarify the knowledge and skills students should demonstrate to qualify for college credit and placement. Please check the college you plan to attend for the acceptance of this course in your major field of study. Content requirements for Advanced Placement (AP) Physics are prescribed by the College Board Publication Advanced Placement Course Description: Physics 1, published by the College Board. Students are expected to take the AP Exam.

Prerequisites: Recommended Physics, Algebra 1, Algebra II, and Geometry

AP Physics 2: Algebra-Based (APPHYS2)

Course #: 06429 ***Credits: 1***

PEIMS #: A3050004 ***Grade: 11-12***

AP Physics 2: 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. The focus is on a series of learning objectives that clarify the knowledge and skills students should demonstrate to qualify for college credit and placement. Please check the college you plan to attend for the acceptance of this course in your major field of study. Content requirements for Advanced Placement (AP) Physics are prescribed by the College Board Publication Advanced Placement Course Description: Physics 2, published by the College Board. Students are expected to take the AP Exam.

Prerequisites: Algebra II, completion of Biology, Chemistry, AP Physics I, and concurrent enrollment in Pre-Calculus or Calculus is strongly recommended.

AP Physics C: Mechanics (APPHYSCM)

Course #: 05960 ***Credits: 1***

PEIMS #: A3050006 ***Grade: 12***

This course provides the student who is planning to specialize in physical science or engineering with the opportunity to meet his/her requirement for Introductory Physics. Use of calculus in problem-solving and in derivations increases as the course progresses. Please check the college you plan to attend for the acceptance of this course in your major field of study. Content requirements for AP Physics are prescribed in the College Board Publication Advanced Placement Course Description: Physics, published by the College Board. Students are expected to take the AP exam.

Prerequisites: Geometry, Algebra II, Biology, Chemistry, Physics or PreAP Physics, and Pre-Calculus, concurrent enrollment in Calculus strongly recommended.

Anatomy and Physiology* (ANATPHYS)

Course #: 08847 ***Credits: 1***

PEIMS #: 13020600 ***Grades: 11-12***

This course introduces a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Students conduct laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. Note: This course can count as the fourth year of science for graduation requirements for students entering 9th grade in 2007-2008.

Prerequisites: Biology and Chemistry recommended

Integrated Physics and Chemistry (IPC)

Course #: 06327 ***Credits: 1***

PEIMS #: 03060201 ***Grade: 9-10***

In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem-solving. This course integrates the disciplines of physics and chemistry in the following topics: motion, waves, energy transformations, properties of matter, changes in matter, and solution chemistry.

Prerequisites: Biology recommended

*Advanced CTE course

Environmental Systems (ENVIRSYS)	
Course #: 06233	***Credits: 1***
PEIMS #: 03020000	***Grades: 11-12***
In Environmental Systems, students conduct field and laboratory investigations, use scientific methods during investigations and make informed decisions using critical-thinking and scientific problem-solving. Students study a variety of topics that include the following: 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; relationships between carrying capacity and changes in populations and ecosystems; and changes in environments.	
Prerequisites: Biology and a physical science recommended	

AP Environmental Science (AP-ENVIR)	
Course #: 06309	***Credits: 1***
PEIMS #: A3020000	***Grades: 11-12***
In AP Environmental Science students will study scientific principles that help them understand the relationships of the natural world. Students will identify environmental problems both natural and man-made and examine solutions for resolving these problems. Topics that will be covered include the following: flow of energy, nutrient cycles, earth dynamics, atmospheric pollution, biomes, population studies, renewable/nonrenewable resources, water and soil quality, evaluation, and human impact on environmental issues. Students are expected to take the AP exam.	
Prerequisites: Algebra II and Biology; Chemistry and Physics recommended (may be taken concurrently).	

Astronomy (ASTRMY)	
Course #: 06379	***Credits: 1***
PEIMS #: 03060100	***Grades: 11-12***
In Astronomy, students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem-solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moons, the reason for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Students who complete Astronomy will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical-thinking skills.	
Prerequisites: One unit of high school science (i.e. Biology, Integrated Physics and Chemistry or Chemistry) Recommended	

Social Studies

World Geography Studies (W GEO)

Course #: 07261 ***Credits: 1***

PEIMS #: 03320100 ***Grades: 9-12***

Students examine people, places, and environments at local, regional, national, and international scales from the spatial perspective of geography. Students describe the influence of geography on events of the past and present. A significant portion of the course centers on the physical environment; cultural patterns; the distribution and movement of world population; relationships among people, places, and environments; and the concept of region. This course cannot be entered at mid-term.

Prerequisites: None

PreAP World Geography Studies (W GEO PREAP)

Course #: 07210 ***Credits: 1***

PEIMS #: 03320100 ***Grades: 9-12***

Students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students describe the influence of geography on events of the past and present. The course will focus on the physical processes that shape patterns in the physical environment, and the social processes that shape cultural patterns of regions. Students compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment. Students use problem-solving and decision-making skills to ask and answer geographic questions. This course is the introductory course to the high school social studies AP Program. The course cannot be entered at mid-term.

Prerequisites: None

World History Studies (W HIST)

Course #: 07241 ***Credits: 1***

PEIMS #: 03340400 ***Grades: 10-12***

The major emphasis in this course is on the study of significant people, events, and issues from the earliest times to the present. Students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. This course cannot be entered at mid-term.

Prerequisites: World Geography recommended

United States History Studies Since 1877 (US HIST)

Course #: 07111 ***Credits: 1***

PEIMS #: 03340100 ***Grades: 10-12***

Students study the history of the United States since Reconstruction to the present. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies of the Cold War and post-Cold War eras, and reform movements including civil rights. This course cannot be entered at mid-term. Preparation for the College Board AP Exam is emphasized. Preparation for End of Course testing will be included.

Prerequisites: World History, World Geography recommended

AP World History (APWHIST)

Course #: 07203 ***Credits: 1***

PEIMS #: A3370100 ***Grades: 10-12***

The purpose of AP World History is to develop a greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. Focused primarily on the past thousand years of the global experience, the course builds on an understanding of cultural, institutional, and technological precedents. Specific themes provide further organization to the course, along with the consistent attention to contacts among societies that form the core of world history as a field of study. Preparation for the College Board AP Exam is emphasized. This course may be substituted for World History Studies. This course cannot be entered at mid-term. Students are expected to take the AP exam.

Prerequisites: World Geography, PreAP World Geography recommended

AP United States History (APUSHIST)

Course #: 07401 ***Credits: 1***

PEIMS #: A3340100 ***Grades: 10-12***

Advanced Placement United States History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in American history. This course, designed as a college-level course, prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. In this course students will learn to assess historical materials, their relevance to a given interpretive problem, their reliability, and their importance—and to weigh the evidence and interpretations presented in historical scholarship. Preparation for the College Board AP Exam is emphasized. This course may be substituted for U.S. History Since Reconstruction. This course cannot be entered at mid-term. Preparation for End of Course testing will be included and students are expected to take the AP exam.

Prerequisites: AP World History and Pre-AP World Geography recommended

United States Government (GOVT)

Course #: 07331 ***Credits: ½***

PEIMS #: 03330100 ***Grades: 11-12***

The focus of this course 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.

Prerequisites: United States History recommended

AP United States Government and Politics (APUSGOVT)

Course #: 07403 ***Credits: ½***

PEIMS #: A3330100 ***Grade: 12***

Advanced Placement United States Government and Politics is designed for qualified students who wish to complete studies in high school equivalent to a one-semester college introductory course. It will give students an analytical perspective on government and politics. The student will become familiar with the Constitutional underpinnings of United States Government; political beliefs and behaviors; political parties and interest groups; the institutions and policy processes of national government; civil rights and civil liberties. Students will acquire the skills of analyzing data, and writing and presenting written and oral arguments which will prepare them for the demands of beginning and intermediate college courses. Students are expected to take the AP exam.

Prerequisites: AP World History and Pre-AP World Geography recommended

AP European History (APEUHIST)

Course #: 07405 ***Credits: 1***

PEIMS #: A3340200 ***Grades: 11-12***

AP European History is a college-level course covering the political, economic, religious, and cultural history of Europe since the Renaissance. Preparation for the College Board AP Exam is emphasized. This course cannot be entered at mid-term. Students are expected to take the AP exam.

Prerequisites: AP World History, Pre-AP World Geography, AP United States History recommended

Sociology (SOC)

Course #: 07391 ***Credits: ½***

PEIMS #: 03370100 ***Grades: 11-12***

Students study dynamics and models of individual and group relationships; topics such as the history and systems of sociology, cultural and social norms, social institutions, and mass communication. **This course is offered at AHS only.**

Prerequisites: None

Psychology (PSYCH)

Course #: 07281 ***Credits: ½***

PEIMS #: 03350100 ***Grades: 11-12***

Students consider the development of the individual and the personality. The study of psychology is based on an historical framework and relies on effective collection and analysis of data. Students study topics such as theories of human development, personality, motivation, and learning. **This course is offered at AHS only.**

Prerequisites: None

AP Human Geography (APHUMGEO)

Course #: 07301 ***Credits: 1***

PEIMS #: A3360100 ***Grades: 10-12***

This course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Preparation for the College Board AP Exam is emphasized. This course cannot be entered at mid-term. This course may be used as a substitute for World Geography. Students are expected to take the AP exam.

Prerequisites: Pre-AP World Geography recommended

PreAP Psychology(.5) (PSYCHPREAP) and AP Psychology (.5) (APPSYCH)

Course #: 07284/07283 ***Credits:1***

PEIMS #: 03350100/A3350100 ***Grades: 11-12***

The PreAP Psychology and AP Psychology courses introduce students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. PreAP Psychology is offered 1st semester and must be completed to enter AP Psychology which is offered 2nd semester. **(Course only available at CHS and receives ½ credit for PreAP Psychology and ½ for AP Psychology)**

Prerequisites: None

Social Studies Advanced Studies -20th Century Americans (SSADV1-20thCENT)

Course #:07385 ***Credits: 1***

PEIMS #:03380001 ***Grades: 10-12***

This two-semester course will examine the lives of Americans who have helped to shape the culture of the U.S., this nation's history and the lives of students. The course is intended to aid students who will enroll in U.S. History or have an interest in the topic. The course will include the names and events listed in English 2 and U.S. History TEKS that parallel the course curriculum. SAT/ACT vocabulary words will be embedded into the lessons. **This course is offered at AHS only.**

Prerequisites: None

Social Studies Advanced Studies –Holocaust and Genocide Studies (SSADV1-HOLGEN)

Course #:07387 ***Credits: 1***

PEIMS #: 03380001 ***Grades: 10-12***

The Holocaust and Genocide Studies course is designed to allow students an in-depth exploration of topics that typically generate high interest. Students will learn lessons on human behavior, citizen responsibility and accountability, the roots of prejudice, and the dangers of apathy and abuse of power. **This course is offered at CHS only.**

Prerequisites: None

AP United States Government and Politics (.5)(APUSGOVT) and AP Macroeconomics (.5) (APMACECO)

Course #:07425 ***Credits: 1***

PEIMS #: 84400101 ***Grades: 12***

Please see AP United States Government and Politics and AP Macroeconomics course descriptions. This course is taught in a blended format covering for AP Government and AP Macroeconomics throughout the entire year in preparation for the AP exams in Government and Economics. Note: Course credit for Government and/or Economics will not be issued until the end of the spring semester. Special consideration should be given if a student is considering a move outside of the district to instead take our course offerings that are not blended. Counselor will advise.

Prerequisites: Pre-AP World Geography, AP U.S.History, and AP World History

Social Studies Advanced Studies - Women's History (SPTSS3)

Course #:07595 ***Credits: ½***

PEIMS #: 03380032 ***Grades: 10-12***

This course will help you understand the stories of women in several periods of American history. During this course, you will build your understanding of the following concepts: Women's roles in several periods in American history, including political and economic history (the major events of the day) and social history (how people lived their lives on a day-to-day basis). **This course is offered at AHS only.**

Prerequisites: None

Social Studies Advanced Studies - African American History Since Reconstruction (SPTSS2)

Course #:07495 ***Credits: ½***

PEIMS #: 03380022 ***Grades: 10-12***

The purpose of this course is to examine the African American experience in the United States from 1863 to the present. Prominent themes include the end of the Civil War and the beginning of Reconstruction; African Americans' urbanization experiences; the development of the modern civil rights movement and its aftermath' and the thought and leadership of Booker T. Washington, Ida B. Wells-Barnett, W.E.B. Du Bois, Marcus Garvey, Martin Luther King, Jr., and Malcom X. **This course is offered at AHS only.**

Prerequisites: None

Specialty Classes

Specialty Classes

Peer Assistance and Leadership 1 (PAAL1)

Course #: 09364 ***Credits: 1***

PEIMS #: N1290005 ***Grades: 11-12***

Peer Assistance and Leadership 2 (PAAL2)

Course #: 09464 ***Credits: 1***

PEIMS #: N1290006 ***Grades: 11-12***

The Peer Assistance and Leadership program is a peer helping program in which selected high school students in grades 11 and 12 are trained to work as peer helpers with other students either on their own campus or from feeder middle schools or elementary schools. Participants will be trained in a variety of helping skills which will enable them to assist other students in having a more positive and productive school experience. PALS also perform service projects at various local non-profit agencies. The program is approved by the Texas Education Agency as an elective course for credit (1 unit) toward graduation. Students must submit an application and be interviewed before being selected for this course. This course requires a one year commitment and cannot be entered at mid-term. This course also requires a minimum of 3 Saturdays for volunteer work. AHS and CHS PALS partners with Big Brothers Big Sisters in working with elementary students.

Prerequisites: Application and interview

Advancement Via Individual Determination 1 (AVID1)

Course #: 09721 ***Credits: 1***

PEIMS #: N1290001 ***Grade: 9***

Advancement Via Individual Determination 2 (AVID2)

Course #: 09722 ***Credits: 1***

PEIMS #: N1290002 ***Grade: 10***

Advancement Via Individual Determination 3 (AVID3)

Course #: 09723 ***Credits: 1***

PEIMS #: N1290030 ***Grade: 11***

AVID is an elective course that prepares students in the academic middle for four-year college eligibility. For one period a day, they learn organizational and study skills, work on critical thinking and asking probing questions, get academic help from peers and tutors, and participate in enrichment and motivational activities that make college seem attainable.

Prerequisites: None

Advancement Via Individual Determination 4 (AVID4)

Course #: 09724 ***Credits: 1***

PEIMS #: N1290033 ***Grade: 12***

AVID is an elective course that prepares students in the academic middle for four-year college eligibility. For one period a day, they learn organizational and study skills, work on critical thinking and asking probing questions, get academic help from peers and tutors, and participate in enrichment and motivational activities that make college seem attainable. Students must be enrolled in challenging classes that best prepare them for college

Prerequisites: None

Countdown to College (SAT PREP)

Course #: 09486 ***Local Credit***

PEIMS #: 85000104 ***Grades: 10-12***

This course is designed for serious college-bound students who will take the PSAT in their junior year or SAT/ACT in their senior year. The purpose of the course is to increase the test scores of college-bound students and increase the opportunities for participants to receive academic college scholarships.

Prerequisites: Recommended for college bound students

Career Preparation I (CAREERP1)

Course #: 08953 ***Credits: 2***

PEIMS #: 12701300 ***Grades: 11-12***

This course provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and prepares students with a variety of skills for a fast-changing workplace. Career Preparation includes employability skills, job interview techniques, communication skills, financial and budget activities, human relations, as well as job-specific skills related to a student's training station.

Prerequisites: None

Career Preparation I/Extended Career Prep I (EXCAREE1)

Course #: 08958 ***Credits: 3***

PEIMS #: 12701305 ***Grades: 11-12***

This course provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and prepares students with a variety of skills for a fast-changing workplace. Career Preparation includes employability skills, job interview techniques, communication skills, financial and budget activities, human relations, as well as job-specific skills related to a student's training station. Extended Career Preparation provides opportunities for students to participate in a work-bases learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

Prerequisites: None

Career Preparation II (CAREERP2)

Course #: 08954 ***Credits: 2***

PEIMS #: 12701400 ***Grades: 12***

This course is a continuation of the instruction with paid business and industry employment experiences of Career Preparation I.

Prerequisites: Career Preparation I or Extended Career Preparation I

Career Preparation II/Extended Career Prep II (EXCAREE2)

Course #:08959 ***Credits: 3***

PEIMS #: 12701405 ***Grades: 12***

This course is a continuation of the instruction with paid business and industry employment experiences of Career Preparation I. Extended Career Preparation provides opportunities for students to participate in a work-bases learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

Prerequisites: Career Preparation I or Extended Career Preparation I

Parenting Education for School Age Parents I (PAEDSAP1)

Course #: 08898 ***Credits: ½-1***

PEIMS #: N1302536 ***Grades: 9-12***

This course is designed to provide parenting skills to students who are parents or are expecting a child. Technical information is provided in the following areas: personal development, adult/parenthood roles, prenatal/postnatal care, child development, family management, parenting responsibilities, infant and childhood health and nutritional needs, and managing multiple roles of parent, student, and wage earner.

Prerequisites: Open to male and female students who are parents and to students who are pregnant

Parenting Education for School Age Parents II (PAEDSAP2)

Course #: 08899 ***Credits: ½-1***

PEIMS #: N1302537 ***Grades: 10-12***

This course is designed to provide parenting skills to students who are parents or are expecting a child. Technical information is provided in the following areas: personal development, adult/parenthood roles, prenatal/postnatal care, child development, family management, parenting responsibilities, infant and childhood health and nutritional needs, and managing multiple roles of parent, student, and wage earner.

Prerequisites: Open to male and female students who are parents and to students who are pregnant