

Eagle Mountain-Saginaw Independent School District



Boswell High School
5805 Bailey Boswell Rd.
Fort Worth, TX 76179

Chisholm Trail High School
4800 Education Dr.
Fort Worth, TX 76179

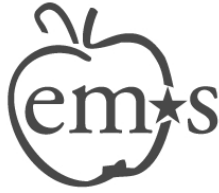
Saginaw High School
800 N. Blue Mound Rd.
Fort Worth, TX 76131

Watson Learning Center
5901 Hereford Dr.
Saginaw, TX 76179

Hollenstein Career & Technology Center
5501 Marine Creek Parkway
Fort Worth, TX 76179

Table of Contents

| | | | |
|---|-----------|--|-----------|
| Note to Parents from the Superintendent | 2 | Elective Courses | |
| Board of Trustees and Administration | 3 | AVID | 35 |
| Important Information from the Principals | 4 | Athletics | 36 |
| Mission Statement | 5 | Career and Technical Education: | |
| Public Notification of Nondiscrimination in Education for All Children with Disabilities | 5 | Agriculture , Food and Natural Resources | 37 |
| General Information | | Architecture and Construction | 39 |
| Advanced Academics | 5 | Arts, A/V Technology & Communication | 40 |
| Advanced Placement | 5 | Business Management and Administration | 42 |
| Dual Credit | 5 | Education and Training | 44 |
| Automatic College Admission | 6 | Finance | 45 |
| Career and Technical Education (CTE) | 6 | Health Science | 46 |
| Class Rank and GPA | 7 | Hospitality and Tourism | 48 |
| Classification Credit | 7 | Human Services | 49 |
| College Entrance Examinations | 7 | Information Technology | 50 |
| Course Credit Options | 7 | Law, Public Safety, Corrections, and Security | 51 |
| Early Graduation | 7 | Manufacturing | 53 |
| Grade Reporting | 8 | Marketing | 54 |
| Graduation Requirements | 8 | Science, Technology, Engineering and Mathematics (STEM) | 55 |
| Local Credits | 9 | Transportation Distribution and Logistics | 57 |
| Parent and Student Information Regarding the Schedule Change Process | 9 | Communications | 59 |
| Physical Education Credits/ Substitutions | 9 | Fine Arts: | |
| Testing | 10 | Art | 60 |
| Texas Scholars | 11 | Dance | 63 |
| Transfer Students | 11 | Music (Choral/ Instrumental) | 64 |
| Your Educational and Career Planning Guide | 12 | Theatre | 66 |
| Core Subject Areas | | Health/Physical Education | 68 |
| English Language Arts | 19 | Journalism | 70 |
| Mathematics | 23 | Languages Other Than English | 71 |
| Science | 26 | Military Science (ROTC) | 74 |
| Social Studies | 31 | Technology Applications | 75 |



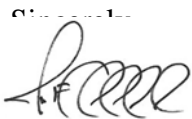
EAGLE MOUNTAIN-SAGINAW INDEPENDENT SCHOOL DISTRICT

Dear Students and Parents:

On behalf of the Eagle Mountain-Saginaw ISD Board of Trustees and Administration, we are pleased to provide this *Course Guide* for our students. Our desire is to prepare students for success in high school and beyond. The purpose of this guide is to help with the planning and selection of high school courses that will equip students for the next academic transition in their lives and to be college-ready.

The secondary curriculum of EM-S ISD provides students with comprehensive course choices including core disciplines, electives and a growing selection of Career and Technology courses. Each course and its requirements are listed in the guide. By reviewing this information and working closely with school counselors, we can work together to help you develop a four-year high school course plan that ensures you meet your educational goals.

With thoughtful planning and strong communication with teachers, counselors, administrative staff, and parents, our students will be successful and prepared for life after high school.



Jim F. Chadwell, Ed.D.
Superintendent

Eagle Mountain–Saginaw Independent School District

Board of Trustees

Dick Elkins, President

Steven G. Newcom, Vice President

Rob Franklin, Secretary

Tim Dennis

Tony Owens

Paige Ring

Donna Webb

Administration

Dr. Jim Chadwell, Superintendent of Schools

Dr. Lowell Strike, Deputy Superintendent

Barbara Downing, Chief Learning Officer

James Schiele, Chief Financial Officer

Steve Williams, Chief Human Resources Officer

Clete Welch, Chief Operations Officer

Darrell Brown, Executive Director of Assessment & Program Evaluation

Kristin Courtney, Director of Communications

IMPORTANT INFORMATION FROM THE PRINCIPALS

This Course Description Handbook and Educational Planning Guide is provided to assist students and parents in educational and career readiness planning. Students and parents should carefully decide upon a course of study early; thus, ensuring the most appropriate high school education possible in light of both present and future goals. We urge each student and parent to review the contents of this handbook before selecting courses for the coming year. We suggest you consult with teachers and counselors prior to making final decisions.

All required courses will be offered annually. Elective courses listed in the booklet will be offered on the basis of student needs/requests. Courses will not be offered if projected enrollment is not sufficient or if a certified teacher is not available to teach the course. The student's alternative course selections will be substituted for canceled courses. Recommended grade placement and prerequisites for each course can be found on the pages that follow.

Careful consideration should be given to the combination of courses selected and the demand on the student's time for studying, practicing, performing, or competing. It is of extreme importance the registration process be taken seriously and students select courses which are commensurate with their academic abilities and interests. *Once courses and alternates are selected, the student's schedule will be set for the entire year since the master schedule is set and hiring of teachers is determined through registration.*

ALL CHANGES TO COURSE REQUESTS MUST BE SUBMITTED IN WRITING
NO LATER THAN JUNE 15TH

The counseling staff will inform, monitor and advise students and parents regarding graduation requirements. It is the ultimate responsibility of the student and parent to select courses that are required under the appropriate graduation plan.

Questions regarding courses, graduation requirements or scheduling should be referred to the school's Guidance and Counseling Department.

Steve Griffin, Principal
Boswell High School

Dr. Mike Schwei, Principal
Chisholm Trail High School

Dr. David Priddy, Principal
Saginaw High School

Mission Statement

The Eagle Mountain-Saginaw ISD staff, in partnership with its stakeholders, will provide each student with the opportunity to develop the knowledge, skills, and behaviors necessary to become a well-informed, productive, and responsible citizen.

Public Notification of Nondiscrimination in Education for All Children with Disabilities

Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) requires that EAGLE MOUNTAIN-SAGINAW INDEPENDENT SCHOOL DISTRICT not discriminate on the basis of handicap in any district program or activity. The district will identify, evaluate and provide an appropriate public education to students who are handicapped under Section 504, including homeless children.

La Seccion 504 de la Ley de Rehabilitacion, de 1973, y la Ley de Americanos con Impedimentos (ADA) requieren que el DISTRITO ESCOLAR INDEPENDIENTE de EAGLE MOUNTAIN-SAGINAW no discrimine basandose en impedimentos, en ningun programa o actividad del distrito. El distrito identificara, evaluara y ofrecera una educacion publica adecuada a los estudiantes con impedimento, de acuerdo con la Seccion 504, incluyendo a los ninos sin hogar.

General Information

Advanced Academics Program

Texas believes a strong education is the foundation to our children's future. According to the Texas Education Agency, it is vital that our students have every opportunity to excel academically through rigorous and challenging courses. Colleges recognize the role a rigorous high school curriculum plays in preparing students for college success. Accordingly, the National Association for College Admission Counseling's 2006 survey of college admissions officers showed **the most important factor** in college admissions is student success in the most challenging high school courses available.

Advanced Placement

Courses offered through the College Board's Advancement Program enable Texas students to pursue college level coursework while still in high school. Based on AP Exam performance, students can gain college admission, earn scholarship awards, earn credit toward a

college degree, skip introductory college classes, enter higher-level classes, and/or fulfill general college educational requirements, depending on the college or university.

Eagle Mountain-Saginaw ISD supports the College Board's commitment to the principle that all students who are willing to accept the challenge of a rigorous coursework provided through a college-level curriculum deserve an opportunity to participate in AP courses. Boswell High School and Saginaw High School offer a variety of Advanced Placement Courses. All Pre-AP and AP classes require extra time on the part of students for class preparation, outside reading and/or labs, and completion of assignments than is normally required of students in regular classes. Also, **it is the expectation that students who take AP Classes will take AP exams.** (Note: Some colleges and universities will not attach value to a high school course labeled AP unless an AP Exam grade is also presented for that course.) Complete course descriptions and practice exam questions can be accessed at www.apcentral.collegeboard.com.

Eagle Mountain-Saginaw ISD offers the following AP courses:

| | |
|------------------------------------|---------------------------------------|
| English Language and Composition | United States Government and Politics |
| English Literature and Composition | Macroeconomics |
| Calculus AB | Psychology |
| Calculus BC | Art-Studio Art |
| AP Statistics | Art-2-D Design |
| Biology | Music Theory |
| Chemistry | French Language |
| Physics B | German Language |
| Environmental Science | Spanish Language |
| Human Geography | Spanish Literature |
| World History | Computer Science |
| United States History | |

Dual Credit

A student may enroll in academic and/or technical courses for college credit before they graduate from high school. Students receive both high school and college credit upon successful completion of these courses. Grades earned will be used in calculating grade point averages and class rank. To qualify, a student must....

- Obtain permission from the high school.
- Enroll at the college/university offering the course(s).

- Meet the entrance requirements of the college/university including the required placement exams

Dual Credit Opportunities with Tarrant County College Offered on High School Campuses:

| High School Course Equivalent | College Course(s) | College Credit |
|---|--------------------------------------|----------------|
| English III | English 1301 & 2328 | 6 |
| English IV | English 1302 & 2322 | 6 |
| Independent Study in Math | Math 1314 & 1316 | 6 |
| United States History | HIST 1301 & 1302 | 6 |
| United States Government | GOVT 2305 | 3 |
| Principles of Economics | ECON 2301 | 3 |
| Advanced Aircraft Technology | AERM 1310 & 1314 AERM 1303 & 1315 | 12 |
| Business Information Management II | BCIS 1405 | 4 |
| Practicum in Health Science/ Emergency Medical Technician | EMSP 1501 & 1160 | 6 |

Students may also take dual credit courses on the college campus or through State U. Prior approval is required. Contact the Counseling Department for more information.

Concurrent Enrollment

Upon approval from the principal, a student may enroll in a college-level course for college credit only.

Automatic College Admission (Top 10% Rule)

In accordance with Texas Education Code (TEC), §51.803, a student is eligible for automatic admission to a college or university as an undergraduate student if the applicant earned a grade point average in the **top 10 percent** of the student's high school graduating class, or the **top 8 percent** for admission to the University of Texas at Austin, and the applicant:

- 1) successfully completed the requirements for the Recommended High School Program (RHSP) or the Distinguished Achievement Program (DAP); or
- 2) satisfied ACT's College Readiness Benchmarks on the ACT assessment or earned on the SAT assessment a score of at least 1500 out of 2400 or the equivalent.

In accordance with Title 19 Texas Administrative Code (TAC), §5.5(e), high school rank for students seeking

automatic admission to a general academic teaching institution on the basis of class rank is determined and reported as follows:

- 1) Class rank shall be based on the end of the 11th grade, middle of the 12th grade, or at high school graduation, whichever is most recent at the application deadline.
- 2) The top 10 percent of a high school class shall not contain more than 10 percent of the total class size.
- 3) The student's rank shall be reported by the applicant's high school or school district as a specific number out of a specific number total class size.
- 4) Class rank shall be determined by the school or school district from which the student graduated or is expected to graduate.

An applicant who does not satisfy the course requirements is considered to have satisfied those requirements if the student completed the portion of the RHSP or the DAP that was available to the student but was unable to complete the remainder of the coursework solely because courses were unavailable to the student at the appropriate times in the student's high school career as a result of circumstances not within the student's control.

To qualify for automatic admission an applicant must:

- 1) submit an application before the deadline established by the college or university to which the student seeks admission; and
- 2) provide a high school transcript or diploma that indicates whether the student has satisfied or is on schedule to satisfy the requirements of the RHSP or DAP or the portion of the RHSP or DAP that was available to the student.

Colleges and universities are required to admit an applicant for admission as an undergraduate student if the applicant is the child of a public servant who was killed or sustained a fatal injury in the line of duty and meets the minimum requirements, if any, established by the governing board of the college or university for high school or prior college-level grade point average and performance on standardized tests.

Career and Technical Education (CTE)

The Eagle Mountain-Saginaw ISD Career and Technical Education Program will provide learning opportunities that incorporate rigorous academic study with an emphasis on career preparation through applied learning. It is our goal as educators to develop students into lifelong learners who are prepared to attain maximum potential in post-secondary

education while being able to successfully enter a desired career field. The primary purpose of the CTE Program is to ensure that each student will develop his or her full potential for continued learning, career success, and productive citizenship.

It is the policy of Eagle Mountain-Saginaw ISD not to discriminate on the basis of race, color, national origin, sex or handicap, in its Career and Technical (vocational) programs, services or activities 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.

Class Rank and GPA

The following class ranking requirements apply to students who entered grade 9 during or after the 2007–08 school year:

- The valedictorian, salutatorian, and honor graduates shall be determined by their rank in class according to academic numerical averages that shall be calculated at the end of the fifth six-week grading period of their graduation year.
- The following courses shall not be used in calculating the numerical average: office, teacher, library assistant, driver's education, or physical education credits awarded by alternative sources.

Classification Credit

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

| | |
|------------------|---------------------------------|
| Freshman | Promotion from 8th grade |
| Sophomore | 5.5 to 11.5 credits |
| Junior | 12 to 18.5 credits |
| Senior | 19 plus credits |

College Entrance Examinations

Since college entrance exams are required at many colleges and universities, the student planning to go to college is encouraged to take the following tests: (It is recommended that English III and Algebra II be completed before taking any college entrance exam.)

1. **National Merit Scholarship Qualifying Test (PSAT-NMSQT):** This test is designed to aid Sophomores and Juniors in estimating their ability to do college level work and to guide them in making college plans. It is sometimes used by industries and universities for scholarship purposes.

National Merit Scholarship recipients are determined from the scores acquired from the PSAT taken during their junior year.

2. **ACT and/or SAT:** The ACT and/or SAT exams are a system of testing prospective college students for the purpose of admission and counseling. The student should find out which test is required or preferred by the institution. These tests are administered at the high schools several times during the year. Each of these tests has a required fee that must be paid at the time of registration. Registration information is available on line at www.collegeboard.com or www.act.org.

Course Credit Options

Credit by Exam for Acceleration

Prior approval to take a credit by exam must be obtained through the counseling office. A student may earn credit for certain courses in which they have had *no prior instruction* by scoring a grade of 90 or above on an examination for acceleration and meeting other eligibility requirements. Testing fees may apply. See your counselor for further information on requirements and procedures.

Credit by Exam for Credit Recovery

Prior approval to take a credit by exam must be obtained through the counseling office. For courses where credit was denied because of grades or excessive absences, a student may earn credit toward graduation by scoring a grade of 70 or above on the exam. A fee is charged for the testing. See your counselor for further information on requirements and procedures.

Correspondence Courses

Prior approval to enroll in a correspondence course must be obtained through an application available in the counseling center. A student may be enrolled in only one correspondence course at a time unless special circumstances warrant with principal approval. See your counselor for further information and special requirements for students wishing to graduate using correspondence course work.

Early Graduation

Early graduation may be granted by the principal/principal's designee upon recommendation of the high school counselors. An Early Graduation Agreement must be signed and filed prior to the beginning of the junior year for three-year graduates and prior to the beginning of the senior year for mid-term graduates. Students planning to graduate in three years will only be promoted to a higher grade level upon completion of the early graduation application process and accumulation of a minimum of 19 credits. Students who wish to graduate early must complete all graduation requirements.

Grade Reporting

A student must be present 90% of the days in each class during a semester. Numerical scores are used to report grades and a minimum grade average of 70 is required for receiving credit.

Graduation Requirements

Students entering high school in 2007-2008 through 2010-2011 must pass all sections of the state competency test called the Texas Assessment of Knowledge and Skills (TAKS) in order to graduate and receive a high school diploma. The “exit level” test is administered to students in their 11th grade year.

For students entering high school in 2011-2012 and after, the State of Texas Assessments of Academic Readiness (STAAR™) will replace the Texas Assessment of Knowledge and Skills (TAKS). STAAR™ includes 12 end-of-course (EOC) course assessments. All students must meet a cumulative score requirement in each of four core content areas. Students on the Recommended Plan must also perform satisfactorily on the Algebra II and English III assessments. Students on the Distinguished Achievement Plan must also perform satisfactorily on the college-readiness component of Algebra II and English III assessments.

Only those senior students who have completed all requirements for graduation may participate in the graduation exercise. Senate Bill 673 from the 80th Texas Legislature ensures that students who receive special education services but who have not yet completed the requirements of their IEPs have the opportunity to participate in a graduation ceremony upon completion of four years of high school.

Students who graduate in the top 10% of their high school class (top 8% for the University of Texas) are eligible for automatic admission to institutions of higher education in the state of Texas if they have completed the Recommended or Distinguished Graduation Plans. *(See page 6 for more information)*

Graduation Requirements for Students Entering High School in 2007-2008 through 2010-2011

| | Recommended Program | Distinguished Program* |
|---|---------------------|------------------------|
| English | 4.0 | 4.0 |
| Mathematics | 4.0 | 4.0 |
| Science | 4.0 | 4.0 |
| Social Studies | 4.0 | 4.0 |
| Communication App. | 0.5 | 0.5 |
| Fine Arts | 1.0 | 1.0 |
| Foreign Language | 2.0 | 3.0 |
| Health | .5 | .5 |
| Physical Education | 1.0 | 1.0 |
| Career and Technical Education or Technology Applications | 1.0 | 1.0 |
| Electives | 4.0 | 3.0 |
| TOTAL CREDITS | 26 | 26 |

Graduation Requirements for Students Entering High School in 2011 and After

| | Recommended Program | Distinguished Program* |
|----------------------|---------------------|------------------------|
| English | 4.0 | 4.0 |
| Mathematics | 4.0 | 4.0 |
| Science | 4.0 | 4.0 |
| Social Studies | 4.0 | 4.0 |
| Communication App. | 0.5 | 0.5 |
| Fine Arts | 1.0 | 1.0 |
| Foreign Language | 2.0 | 3.0 |
| Physical Education | 1.0 | 1.0 |
| Electives | 5.5 | 4.5 |
| TOTAL CREDITS | 26 | 26 |

Distinguished Graduation Plan

The Distinguished Achievement Program recognizes students who demonstrate levels of performance equivalent to that of college students or work done by professionals in the arts, sciences, business or industry. The Distinguished Graduate must complete three years of the same foreign language and must achieve any combination of four of the following advanced measures. Original research/projects may not be used for more than two of the four advanced measures. The measures must focus on demonstrated student performance at the college or professional level. Student performance on advanced measures must be assessed through an external review process.

The student may choose from the following options:

- (1) original research/project that is:
 - (A) judged by a panel of professionals in the field that is the focus of the project; or
 - (B) conducted under the direction of mentor(s) and reported to an appropriate audience; and
 - (C) related to the required curriculum set forth in §74.1 of this title (relating to Essential Knowledge and Skills);
- (2) test data where a student receives:
 - (A) a score of three or above on the College Board advanced placement examination;
 - (B) a score of four or above on an International Baccalaureate examination; or
 - (C) a score on the Preliminary Scholastic Assessment Test (PSAT) that qualifies the student for recognition as a commended scholar or higher by the National Merit Scholarship Corporation, as part of the National Hispanic Scholar Program of the College Board or as part of the National Achievement Scholarship Program for Outstanding Negro Students of the National Merit Scholarship Corporation. The PSAT score shall count as only one advanced measure regardless of the number of honors received by the student; or
- (3) college academic courses, advanced technical credit courses, and dual credit courses, including local articulation, with a grade of 3.0 or higher.

*Students graduating under the State Board of Education Recommended Program or the Distinguished Achievement Program may qualify for the Texas Grant.

The Minimum Program is available through an application process or through an Individualized Education Plan .

Local Credits

Some courses offered are not among the state approved courses and will receive local credit. Local credits do not count as credit toward graduation.

Parent and Student Information Regarding the Schedule Change Process

Master schedules are developed in the spring prior to the upcoming year. Selections during registration indicate how many teachers and sections will be needed for a course. The process allows administrators to plan and to hire for optimum academic strength.

When students are permitted to randomly change schedules, classes become overcrowded. As a result, all students are affected. Even the most effective planning is compromised. Very seldom does a one course change affect only one course. Careful selections benefit everyone. Thank you for being a crucial part of our educational team as we work together for academic excellence.

Registration

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

Add/Drop Date

- **June 15th** for high school will officially end the opportunity for schedule changes.
- Only schedule changes pertaining to graduation plans and/or computer errors will be addressed during the following school year.
- A student who does not submit a registration form by the add/drop date will not be eligible for a schedule change.

Physical Education Credits/Substitutions

One unit of P.E. is required of all students for graduation. The following activities may be used to substitute for the one unit of required PE: drill team, marching band, cheerleading, athletics and off-campus physical education.

Specific credit information regarding athletics, physical Education, CTE and fine arts credits and substitutions is addressed below:

Athletics:

Students in athletics may receive up to 4 state physical education substitution credits.

Career and Technical Education:

Beginning in 2011-2012, students enrolled for the first time in 2-3 credit Career and Technical Education courses must also take 1 credit of physical education in high school.

Cheerleading:

Cheerleaders enrolled in a cheer class may be awarded 1 credit of athletics (gymnastics) per year (.5 per semester) up to 4 physical education credits.

(Cheerleaders enrolled in the class will not be eligible to receive substitution credit as listed below.)

Cheerleaders not in the cheer class may be awarded up to 1 physical education substitution credit (.5 credit awarded fall only) for extracurricular (after school) activity.

Dance:

Dance satisfies the state fine arts graduation requirement.

Students who successfully completed dance prior to the 2010-2011 school year received 1 credit of dance and received a waiver which excuses them from taking the required physical education credit.

Beginning in 2011-2012 students in Dance 1 will get credit for dance (fine art) and for aerobic activities (physical education).

★ **Awarding of the aerobic activities credit is dependent upon teacher certification in both physical education and fine arts and is subject to change.**

Drill Team:

Students in drill team may receive up to 4 credits of fine arts as well as .5 course credits in the fall toward their physical education requirement up to 1 state credit as part of their extracurricular (after school) activity.

Beginning in 2010-2011, a student in drill team may accrue the following credits:

| | |
|-----------------------------|---|
| 1 st Time Taken- | Dance I plus .5 Physical Education Substitution Credit (fall only) |
| 2 nd Time Taken- | Dance II plus .5 Physical Education Substitution Credit (fall only) |
| 3 rd Time Taken- | Dance III |
| 4 th Time Taken- | Dance IV |

Total Credits Possible:

4 Fine Arts Credits + 1 Physical Education Credit = 5

Students in their 3rd or 4th year of drill team who have not previously been awarded physical education substitution credit may also accrue up to 1 physical education substitution credit toward graduation. (.5 credit awarded fall only)

Marching Band:

Students in marching band may receive up to 4 credits of fine arts as well as .5 course credits in the fall toward their physical education requirement up to 1 state credit as part of their extracurricular (after school) activity.

Beginning in 2010-2011, a student in band may accrue the following credits:

| | |
|-----------------------------|--|
| 1 st Time Taken- | Music I Band plus .5 Physical Education Substitution Credit (fall only) |
| 2 nd Time Taken- | Music II Band plus .5 Physical Education Substitution Credit (fall only) |
| 3 rd Time Taken- | Music III Band |
| 4 th Time Taken- | Music IV Band |

Total Credits Possible:

4 Fine Arts Credits + 1 Physical Education Credit = 5

Students in their 3rd or 4th year of band who have not previously been awarded physical education substitution credit may also accrue up to 1 physical education credit toward graduation. (.5 credit awarded fall only)

Physical Education:

A student may not receive credit for a specific physical education course more than once.

Students may earn a maximum of 4 state physical education credits through any combination of physical education courses and/or substitutions.

Reserve Officer Training Corps I:

Students in ROTC I receive 1 physical education substitution credit for the course.

Testing

TAKS

For students who entered high school before 2011-2012, the Texas Assessment of Knowledge and Skills (TAKS) test, evaluates student learning based on the state-required curriculum, the Texas Essential Knowledge and Skills (TEKS). Students are tested in the areas of mathematics, reading, language arts, science, and social studies. By law, Texas students must now pass the TAKS test in order to graduate from high school. The exit level TAKS test is given in the spring of the junior year.

STAAR

For students entering high school in 2011-2012 and after, the State of Texas Assessments of Academic Readiness (STAAR™) will replace the Texas Assessment of Knowledge and Skills (TAKS). STAAR™ includes 12 end-of-course (EOC) course assessments: Algebra I, geometry, Algebra II, English I, English II, English III, biology, chemistry, physics, world geography, world history, and U.S. History. In order to graduate, students on the Recommended High School Plan must meet a cumulative score requirement in each of four core content areas and must also perform satisfactorily on the Algebra II and English III assessments. Students on the Distinguished Achievement Plan must meet a cumulative score requirement in each of four core content areas and must also perform satisfactorily on the college-readiness component of Algebra II and English III assessments.

PSAT/NMSQT

This test is designed to test the verbal and mathematical skills of students. National Merit Scholarship opportunities may be available if the student's junior level scores qualify him/her to be a finalist. This test is given in October each year.

ACT

The ACT assessment is a general standardized college admissions test and is accepted by most colleges and universities. Students should plan to take this test in the spring of their junior year.

SAT

The SAT is a college admissions test that measures mathematical problem-solving, critical reading, and writing skills. Each section is reported on a scale of 200 – 800 points. Students should take this test no sooner than the spring of their junior year.

***Students should contact their college of choice regarding required placement exams.**

Advanced Placement Examinations (AP)

These exams provide students with the opportunity to gain college credit by examination at participating universities. Information regarding the awarding of credit, can be found on www.collegeboard.com.

ASVAB

The Armed Services Vocational Aptitude Battery is available to students in grades 10-12. It measures aptitudes and abilities and relates them to specific occupations in civilian and military life.

Texas Scholars Program

Texas Scholars is a program designed to recognize the achievements of students who complete the rigorous coursework required in the state by the *Recommended High School Plan* or the *Distinguished Achievement Plan*. Students who graduate as Texas Scholars receive a medallion and are recognized at graduation.

Texas Scholars – High School and Beyond begins with students entering high school **during or after 2007-08**. To qualify as a Texas Scholar these students must:

- Complete at least the Recommended High School Program.
- Complete at least two courses while in high school eligible for college credit.

Transfer Students

Out of state transfer students must complete all state graduation requirements to be eligible for a Texas (Eagle Mountain-Saginaw I.S.D.) diploma.

Incoming transfer credits toward graduation will be accepted from accredited public schools, state accredited home school organizations and from private or parochial schools accredited by an association recognized by the Texas Commissioner of Education.

Your Educational and Career Planning Guide



College and Career Readiness



The career clusters icons above are used with permission of the States' Career Clusters Initiative, 2007. For more information, visit www.careerclusters.org.

Planning Timeline

6th and 7th Grades

- Begin to establish career goals and objectives.

8th Grade

- Complete the Kuder Interest Inventory
- Plan four-year high school academic program.
- Begin reviewing college catalogs, publications and Web sites for college profiles and entrance requirements.

9th and 10th Grades

- Analyze your interests and abilities – make the connection with possible careers. Talk to your counselor about the ASVAB program to discover your interest areas and possible careers.
- Join extra-curricular activities which help develop teamwork, leadership and responsibility.
- Talk to your parents about future plans and concerns.
- Struggling with a subject? Ask for additional help from your teacher, counselor, or a tutor.
- Take challenging courses – make the most of your high school classes. Explore AP, College courses or Tech Prep courses.
- Investigate various types of post-secondary education possibilities.
- Research financial aid opportunities and resources – scholarships, grants, loans, work study.
- Sign up for pre-college assessment opportunities such as PLAN or PSAT.

11th and 12th Grades

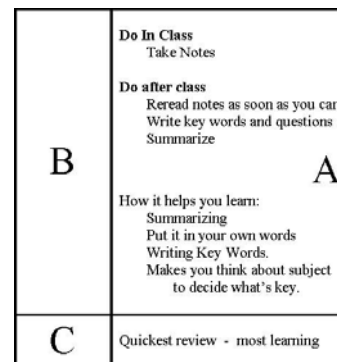
- Register by deadlines for college entrance exams required by the schools you are interested in attending (usually in fall and spring of junior year and fall of senior year).
- Attend a job fair and/or college fair.
- Take the ASVAB Interest Inventory.
- Focus on several choices of schools.
- Engage in community service or volunteerism.
- Visit/read about post-secondary options that interest you.
- Attend a financial aid night and/or college night with your parents.
- Send college admissions applications on time to three-four schools,
- Obtain financial aid forms from schools you are considering attending. Be sure to complete and return the forms by January 1st of your senior year.
- Visit the US Department of Education website (www.ed.gov/pubs) for complete listings of free financial aid brochures and information packets.

Note Taking and Studying Made Easy

You can learn more in less time with the Streamlined learning system invented at Cornell University. This system helps you pay attention in class, and it makes study time after class more productive. Try this. It really works. P.S. College students use it. Taking good notes doesn't mean writing down every word a teacher says. It means listening for main ideas and key details and getting them down. The Cornell Note-Taking System (developed at Cornell U.) is one way to do that. It helps you set up a notebook to take notes and use them for review. Here's how it works.

During Class

Divide each notebook page so it has a wide part, a narrow part, and space at the bottom. **Take notes in the wide part** (area A, far right). Leave space between ideas, and a lot of space if you miss something in class. You'll fill it in later.



After Class, or After School

1. As soon as possible, **go over your notes**. In area A, add things you missed. Underline, star or highlight important facts. (One idea is to use blue ink in class and red ink after school – use what works for you.)
2. Now, **pick out key words or make up questions** about things that the teacher might ask on a test. Write them in a narrow column (B). This makes you decide what's important in your notes.
3. Next, **write a summary** of each page in space C. You'll be putting things in your own words which is an important step in learning.

Last cover area A (class notes) with a sheet of paper and test yourself: See if you can say out loud what each key word means and answer your made-up test questions.

Review new notes the day you make them and all your notes once a week. When test time comes around, you'll hardly need to study. You've been studying all along!

Amazing study fact: We forget most new information shortly after learning it. Reviewing the same day prevents forgetting. A 10-minute review at the end of each school day can save hours of study in the days before a test.

Help for College Readiness and Success

College is affordable, and planning is essential.

For more information about careers after high school as well as college planning (admissions and financial aid), check out these important websites.

Zero in on College and Career Goals:

- Sign up to meet with the College Access Specialist at your high school.
- Attend college night and financial planning night.
- Begin visiting college campuses and become aware of admission requirements.
- Assess your interests by investigation college majors and careers associated with them.

These web sites will help you on your path to college readiness and success:

High School Course Help

www.highschoolhub.org - an online interactive learning center free to high school students.

College Readiness, Preparations, Planning Financial Information, and College Searches

www.collegefortexans.com -Everything a Texan needs to know about preparing for, applying for, and paying for college or technical school

www.texasgearup.com -Gaining Early Awareness and Readiness for Undergraduate Programs (GEARUP) has information for students and parent by grade level

www.thea.nesinc.com -The Higher Education Assessment (THEA) test assesses skills in reading, mathematics, and writing of students entering public colleges and universities

www.xap.com-A guide to planning for exploring and applying to college

www.collegeview.com -Explore careers, colleges, and financial aid

<http://nces.ed.gov/collegenavigator> -Aids in the college search by containing very detailed information

www.collegeboard.org-Has a lot of useful information and is also where you sign up to take the SAT

www.act.org - Has a lot of useful information and is also where you sign up to take the ACT

Financial Aid and Scholarships

www.fafsa.ed.gov - Free Application for Federal Student Aid – what to do before, during, and after filling out the form. The most important federal financial aid application. Many state grants and scholarships require the FAFSA to be submitted.

www.everychanceeverytexan.org –Information including The Minnie Stevens Piper Foundation Compendium of Texas Colleges and Financial Aid Calendar (under “Texas Schools Info”).

www.aie.org - Adventures in Education (AIE) is a site for college and career planning with monthly calendars

www.fastweb.com - A scholarship and grant Search site

Career Exploration Information

www.careeronestop.org - Allows investigation of careers with detailed information

www.mappingyourfuture.org -Planning a career, selecting a school, and paying for school

www.careers.com - Search geographically, by job type, alphabetically, and has general advice on careers

Toward Excellence, Access & Success

(TEXAS) Grant Program

www.collegefortexans.com

Program Purpose

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

Who can apply? Students who...

For an initial award

- Are Texas residents
- Have not been convicted of a felony or crime involving a controlled substance
- Show financial need
- Have an EFC less than or equal to 4000
- Register for the Selective Service or are exempt from this requirement

AND

- Be a graduate of an accredited high school in Texas not earlier than the 1998-99 school year
- Complete the Recommended High School Program or Distinguished Achievement Program in high school
 - Enroll in a non-profit public college or university in Texas within 16 months of graduation from a public or accredited private high school in Texas and
 - Have accumulated no more than 30 semester credit hours, excluding those earned for dual or concurrent courses or awarded for credit by examination (AP, IB or CLEP).

OR

- Have earned an associate degree from a public technical, state or community college in Texas and
- Enroll in any public university in Texas no more than 12 months after receiving their first associate's degree.

Students entering the program from high school who continue in college and who meet program academic standards can receive awards for up to 150 semester credit hours, until they receive a bachelor's degree, or for five years if enrolled in a 4-year degree plan or six years if enrolled in a 5-year degree plan, whichever comes first.

Students entering the program based on acquisition of an associate's degree who continue in college and who meet program academic standards can receive awards for up to 90 semester credit hours, until they receive a bachelor's degree, or for three years if enrolled in a 4-year degree plan or four years if enrolled in a 5-year degree plan, whichever comes first.

The academic requirements for continuing in the program are:

- At the end of the first year, the student entering the program from high school must be meeting the *school's* Satisfactory Academic Progress (SAP) requirements.
- At the end of the second year in the program or later years, all students must complete at least 75 percent of the hours attempted in the prior academic year, have an overall college grade point average (GPA) of at least 2.5 on a 4.0 scale and complete at least 24 semester credit hours per year.

Where may awards be used?

A TEXAS Grant may be used to attend any public institution of higher education in Texas.

How much can be awarded?

The award amount (including state and institutional funds) is equal to the student's tuition and required fees.

For 2010-2011, the state amount is approximately:

- \$6,780 per year for public universities and state college students
- \$1,780 per year for public community college students
- \$3,150 per year for public technical college students

How can you apply?

You apply for the TEXAS Grant when you complete and submit the Free Application for Federal Student Aid

(FAFSA) or other application as required by your college's financial aid office. Funding is limited, so you need to submit your application as soon as possible after January 1 of your senior year. The financial aid office at each college and university will determine if TEXAS Grant is part of the aid package that is offered to you.

Additional Information

Your eligibility for this program is determined by the financial aid office at your college. Contact your college financial aid office for additional information on eligibility or availability of funds.

Programs of Study for the 16 Career Clusters

Programs of Study for the 16 Career Clusters are available at <http://www.achievetexas.org> . These programs of study are designed for students but can also be used with administrators, counselors, teachers, business and industry representatives, and parents. Programs of Study contain a lot of helpful information, including the core courses and career-related electives in high school that will help prepare students for their career goals. The Programs of Study are based upon the State of Texas Recommended High School Graduation Plan and can easily be adapted for the Distinguished Achievement High School Graduation Plan.

Sarah Hollenstein Career and Technology Center (HCTC)





GRADUATION REQUIREMENTS

FOR STUDENTS ENTERING HIGH SCHOOL 2011-2012 AND AFTER

Recommended Program:

| DEPARTMENT | # OF CREDITS | CLASSES |
|------------------------------|-----------------|---|
| ENGLISH | 4.0 | English 1, English 2, English 3, English 4 |
| MATH | 4.0 | Algebra 1, Geometry, Algebra 2, + 1 Other State Approved Math Course (If Math Models, must be taken before Algebra 2) |
| SCIENCE | 4.0 | Biology, Chemistry, Physics + 1 Other State Approved Science Course (If IPC, must be taken before Chemistry and Physics) |
| SOCIAL STUDIES | 4.0 | World Geography, World History, U.S. History, Government, Economics |
| PHYSICAL EDUCATION | 1.0 | P.E., Athletics, ROTC, Drill Team, Cheerleading, Band |
| SPEECH | 0.5 | Communication Applications or Professional Communications |
| LANGUAGES OTHER THAN ENGLISH | 2.0 | 2 Levels of the Same Language |
| FINE ARTS | 1.0 | Art, Dance, Music, Theatre |
| ELECTIVES | 5.5 | |
| | 26 Total | |

Distinguished Achievement Program:

Recommended Program with Specific Acceptable Math and Science Courses

3 Levels of the Same Language

4 Advanced Measures

(see your counselor for more information)

| ADVANCED MEASURES | # ALLOWED | APPROVAL |
|---|-----------|----------|
| Score of 3 or above on an AP exam (AP exams taken during the senior year will be verified after graduation.) | 1-4 | None |
| Original research/project of professional quality as judged by a panel of experts | 1-2 | Prior |
| Score on the PSAT that qualifies a student for recognition as a Commended Scholar or higher by the National Merit Scholarship Corporation; as part of the National Hispanic Scholar Program of the College Board; or as part of the National Achievement Scholarship program for Outstanding Negro Students of the National Merit Scholarship Corporation | 1 | None |
| College academic courses, advanced technical credit courses, and dual credit courses, including local articulation, with a grade of A or B | 1-4 | Prior |



GRADUATION REQUIREMENTS

FOR STUDENTS ENTERING HIGH SCHOOL 2007-2008 THROUGH 2010-2011

Recommended Program:

| DEPARTMENT | # OF CREDITS | CLASSES |
|--|-----------------|--|
| ENGLISH | 4.0 | English 1, English 2, English 3, English 4 |
| MATH | 4.0 | Algebra 1, Geometry, Algebra 2, + 1 Other State Approved Math Course (If Math Models, must be taken before Algebra 2) |
| SCIENCE | 4.0 | Biology, Chemistry, Physics + 1 Other State Approved Science Course (If IPC, must be taken before Chemistry and Physics) |
| SOCIAL STUDIES | 4.0 | World Geography, World History, U.S. History, Government, Economics |
| * HEALTH | 0.5 | Health or 1 credit of Health Science |
| PHYSICAL EDUCATION | 1.0 | P.E. , Athletics, ROTC, Drill Team, Cheerleading, Band |
| * CAREER AND TECHNICAL EDUCATION COURSES OR TECHNOLOGY APPLICATIONS COURSE | 1.0 | Any two .5 credit courses or any 1 credit course listed under Career and Technical Education or any 1 Credit Technology Applications Course in the Course Guide. |
| SPEECH | 0.5 | Communication Applications or Professional Communications |
| LANGUAGES OTHER THAN ENGLISH | 2.0 | 2 Levels of the Same Language |
| FINE ARTS | 1.0 | Art, Dance, Music, Theatre |
| ELECTIVES | 4.0 | |
| | 26 Total | |

Distinguished Achievement Program:

Recommended Program with Specific Acceptable Math and Science Courses

3 Levels of the Same Language

4 Advanced Measures

(see your counselor for more information)

| ADVANCED MEASURES | # ALLOWED | APPROVAL |
|---|-----------|----------|
| Score of 3 or above on an AP exam (AP exams taken during the senior year will be verified after graduation.) | 1-4 | None |
| Original research/project of professional quality as judged by a panel of experts | 1-2 | Prior |
| Score on the PSAT that qualifies a student for recognition as a Commended Scholar or higher by the National Merit Scholarship Corporation; as part of the National Hispanic Scholar Program of the College Board; or as part of the National Achievement Scholarship program for Outstanding Negro Students of the National Merit Scholarship Corporation | 1 | None |
| College academic courses, advanced technical credit courses, and dual credit courses, including local articulation, with a grade of A or B | 1-4 | Prior |

* Denotes EM-S ISD Graduation Requirement

English Language Arts

| Course Name | Credits | Grade Levels | Prerequisites |
|---|---------|--------------|--|
| English I | 1 | 9 | None |
| English I Pre-AP | 1 | 9 | None (See Suggested Guidelines) |
| English II | 1 | 10 | English I |
| English II Pre-AP | 1 | 10 | English I (See Suggested Guidelines) |
| English III | 1 | 11 | English II |
| English III AP | 1 | 11 | English II (See Suggested Guidelines) |
| English III Dual Credit (English 1301 & 1302) | 1 | 11 | TCC Admissions Standards |
| English IV | 1 | 12 | English III |
| English IV AP | 1 | 12 | English III (See Suggested Guidelines) |
| English IV Dual Credit (English 2322 & 2323) | 1 | 12 | TCC Admissions Standards |
| English I for Speakers of Other Languages | 1.0 | 9-12 | LPAC Committee Placement |
| English II for Speakers of Other Languages | 1.0 | 10-12 | LPAC Committee Placement |
| Analysis of Visual Media | .5 | 10-12 | English I |
| Creative/Imaginative Writing | .5 | 10-12 | English I |
| Practical Writing Skills (English Language Learners and Watson Learning Center Only) | .5-1 | 9-12 | None |
| Reading I | .5-1 | 9-12 | None |
| Reading II | .5-1 | 10-12 | Reading I |
| Reading III | .5-1 | 11-12 | Reading II |
| Reading Application and Study Skills (College Preparation Class) | .5 | 11-12 | None |
| Research/Technical Writing | 1 | 11-12 | English II |

Suggested Guidelines for Pre-Advanced Placement and Advanced Placement English

- Successful completion of English courses taken previously with an average of 80 or above
- Students encouraged to seek teacher advisement
- Student should have passed TAKS.

These suggested guidelines are designed to aid the student in choosing the course in which he/she will most likely succeed.

English I

PEIMS: 03220100

Grade Placement: 9

Prerequisite: None

Credit: 1

In English I, students read extensively in multiple genres, such as stories, dramas, novels, and poetry, from world literature, learn literary forms and terms, and interpret the possible influences of the historical context on a literary work. A writing emphasis is placed on organizing logical arguments with clearly expressed related definitions, theses, and evidence. Students write to persuade and to report and describe. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English.

English I Pre-AP**PEIMS:** 03220100Q**Grade Placement:** 9**Prerequisite:** None (See Suggested Guidelines)**Credit:** 1

The English I Pre-AP curriculum requires critical reading and is writing based. Students are required to write multiple compositions, including a documented literary criticism research project. Students concentrate on vocabulary skills, language concepts, and critical thinking. Reading assignments emphasize analysis and interpretation of plays, novels, epics, poetry, and mythology. Summer reading is required. **Extra time is required on the part of Pre-AP students for class preparation, outside reading, and completion of assignments than is normally required of students in regular classes.**

English II**PEIMS:** 03220200**Grade Placement:** 10**Prerequisite:** English I**Credit:** 1

In English II, students read extensively in multiple genres, such as stories, dramas, novels, and poetry, from world literature, learn literary forms and terms, and interpret the possible influences of the historical context on a literary work. A writing emphasis is placed on persuasive forms of writing such as logical arguments, expressions of opinion, and personal forms of writing (i.e., response to literature, a reflective essay, or an autobiographical narrative). Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English.

English II Pre-AP**PEIMS:** 03220200Q**Grade Placement:** 10**Prerequisite:** English I Pre-AP Recommended**Credit:** 1

English II Pre-AP builds on the skills introduced in English I Pre-AP and stresses mastery of English usage, general essay skills, literary and stylistic analysis, and critical thinking. Students enhance their appreciation of the classics through exploration of various forms of world literature. They become acquainted with the various philosophical and literary movements of each age. Stressed areas include concepts and skills in writing, language, research, and literary concepts. Summer reading is required. **Extra time is required on the part of Pre-AP students for class preparation, outside reading, and completion of assignments than is normally required of students in regular classes.**

English III**PEIMS:** 03220300**Grade Placement:** 11**Prerequisite:** English II**Credit:** 1

In English III, students read extensively in multiple genres from American literature and world literature, learn literary forms and terms, and interpret the possible influences of the historical context on a literary work. Students write in a variety of forms, including business, personal, literary, and persuasive texts. Students plan, draft, and complete a research paper. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English.

English III AP**PEIMS:** A3220100P**Grade Placement:** 11**Prerequisite:** None (See Suggested Guidelines)**Credit:** 1

The English III AP curriculum focuses on English language and composition with specific emphasis in rhetoric and persuasion. English III AP enables students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. Students primarily read American literature and nonfiction and develop critical skills through extensive reading, discussion, and writing, including a documented research paper. Summer reading is required. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments than is normally required of students in regular classes. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students are expected to take the Advanced Placement Exam in the spring.**

English III Dual Credit (English 1301 & 1302)**PEIMS:** 03220300D**Grade Placement:** 12**Prerequisite:** TCC Admissions Standards**Credit:** 1

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. **English 1301-** The course includes principles of composition and rhetorical skills necessary for clear, logical writing. Emphasis on writing as a process and an introduction to research will be covered. **English 1302-** The course is a continuation of the principles of composition and rhetorical skills necessary for clear, logical writing. This course also includes an introduction to literary works to include a variety of genre.

Students must register and pay for the courses through Tarrant County College, Northwest Campus.

English IV**PEIMS:** 03220400**Grade Placement:** 12**Prerequisite:** English III**Credit:** 1

In English IV, students read extensively in multiple genres from British literature and world literature, learn literary forms and terms, and interpret the possible influences of the historical context on a literary work. Students write in a variety of forms, including business, personal, literary, and persuasive texts. Students plan, draft, and complete a research paper. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English.

English IV AP**PEIMS:** A3220200P**Grade Placement:** 12**Prerequisite:** None (See Suggested Guidelines)**Credit:** 1

The English IV AP curriculum focuses on English literature and composition. English IV AP enables students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. Students primarily read British literature and world literature and develop critical skills through extensive reading, discussion, and writing. Summer reading is required. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments than is normally required of students in regular classes. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students are expected to take the Advanced Placement Exam in the spring.**

English IV Dual Credit (English 2322 & 2323)**PEIMS:** 03220400D**Grade Placement:** 12**Prerequisite:** TCC Admissions Standards**Credit:** 1

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school.

English 2322-British Literature to 1800**English 2323-British Literature Since 1800**

In both British Literature courses, students read selected significant works of British literature. These works may include study of movements, schools, or periods.

Students must register and pay for the courses through Tarrant County College, Northwest Campus.

English I for Speakers of Other Languages**PEIMS:** 03200600**Grade Placement:** 9-12**Prerequisite:** LPAC Committee Placement**Credit:** 1

Enrollment is limited to non-native speakers of English. Placement in ESL will be made only if student's performance on proficiency test of English shows marked inability to communicate in English.

English II for Speakers of Other Languages**PEIMS:** 03200700**Grade Placement:** 10-12**Prerequisite:** LPAC Committee Placement**Credit:** 1

Enrollment is limited to non-native speakers of English. Placement in ESL will be made only if student's performance on proficiency test of English shows marked inability to communicate in English.

**The following courses are ELECTIVES
offered in English.**

Analysis of Visual Media**PEIMS:** 03221700**Grade Placement:** 10-12**Prerequisite:** English I**Credit:** .5

Analysis of Visual Media will include analysis of purpose, theories, language, technology and history of various media forms. Students will screen, discuss, and critique films, television, advertisement and the issues they address. Students will complete individual and group film analysis projects over the course of the semester.

Creative/Imaginative Writing**PEIMS:** 03221200**Grade Placement:** 10-12**Prerequisite:** English I**Credit:** .5

Students will produce a variety of creative writing pieces addressing various modes and genres and will publish their writing in a school or class literary magazine.

Practical Writing Skills (English Language Learners and Watson Learning Center Only)**PEIMS:** 03221300**Grade Placement:** 9-12**Prerequisite:** None**Credit:** .5-1

Students will produce a variety of writing pieces addressing various modes and genres based on the TEKS-based concepts and elements of the writing process. Students will publish and present their writing.

Reading I**PEIMS:** 03270700**Grade Placement:** 9**Prerequisite:** None**Credit:** .5-1

Students will improve their individual reading skills. Students will apply a variety of strategies and building an extensive vocabulary through systemic word study. Emphasis includes summarization, identifying key ideas, and drawing inferences and conclusions. Students will read silently and orally with fluency and comprehension in increasingly demanding texts. Students will also create personal responses to a variety of texts reflecting diverse cultures and research topics of interest by reviewing and evaluation print and non-print sources.

Reading II**PEIMS:** 03270800**Grade Placement:** 10**Prerequisite:** Reading I**Credit:** .5-1

Students will continue to improve their individual reading skills. Students will apply a variety of strategies and building an extensive vocabulary through systemic word study. Emphasis includes summarization, identifying key ideas, and drawing inferences and conclusions. Students will read silently and orally with fluency and comprehension in increasingly demanding texts. Students will also create personal responses to a variety of texts reflecting diverse cultures and research topics of interest by reviewing and evaluation print and non-print sources.

Reading III**PEIMS:** 03270900**Grade Placement:** 11**Prerequisite:** Reading II**Credit:** .5-1

Students will continue to improve their individual reading skills. Students will apply a variety of strategies and building an extensive vocabulary through systemic word study. Emphasis includes summarization, identifying key ideas, and drawing inferences and conclusions. Students will read silently and orally with fluency and comprehension in increasingly demanding texts. Students will also create personal responses to a variety of texts reflecting diverse cultures and research topics of interest by reviewing and evaluation print and non-print sources.

Reading Application and Study Skills**(College Preparation Class)****PEIMS:** 03270100**Grade Placement:** 11-12**Prerequisite:** None**Credit:** .5

High school students that require or request additional honing of the study skills, especially as the students prepare for the demands of college, may enroll in this one semester course. In Reading Application and Study Skills, students hone techniques for learning from texts including studying word meanings, producing effective summaries, identifying and relating key ideas, drawing and supporting inferences, reviewing study strategies, and responding critically to literary and (cross-curricular) content texts in preparation for post secondary schooling. **This one semester elective course is designed to provide preparation for the PSAT/SAT/ACT through a curriculum focused on test-taking strategies and text practice to enhance readiness for the SAT test. Also included in this course is an emphasis on the fundamentals of college admissions (application, essay, interview, college selection, and financial aid).**

It is recommended that seniors take the course the first semester and juniors take the course the second semester.

Research/Technical Writing**PEIMS:** 03221100**Grade Placement:** 11-12**Prerequisite:** English II**Credit:** 1

Students will produce a variety of pieces addressing various modes of technical application and will present their products. Students will synthesize research proposals and critique to implement changes at each stage producing a final product.

Mathematics

| Course Name | Credits | Grade Levels | Prerequisites |
|--|---------|--------------|--|
| Algebra I | 1 | 9 | None |
| Algebra I Pre-AP | 1 | 8-9 | None (See Suggested Guidelines) |
| Geometry | 1 | 9-10 | Algebra I |
| Geometry Pre-AP | 1 | 9-10 | Algebra I (See Suggested Guidelines) |
| Math Models with Applications | 1 | 10-11 | Algebra I and Geometry |
| Algebra II | 1 | 10-12 | Algebra I and Geometry |
| Algebra II Pre-AP | 1 | 10-12 | Algebra I and Geometry (See Suggested Guidelines) |
| Advanced Quantitative Reasoning | 1 | 11-12 | Algebra I, Geometry and Algebra II |
| Pre-Calculus | 1 | 11-12 | Algebra II |
| Pre-Calculus Pre-AP | 1 | 11-12 | Algebra II (See Suggested Guidelines) |
| Functional Approach to College Algebra/Trigonometry Dual Credit (Math 1314 & 1316) | 1 | 11-12 | Algebra II and a Score of 64 or above on TCC Placement Test TCC Admissions Standards |
| AP Calculus AB | 1 | 12 | Precalculus (See Suggested Guidelines) |
| AP Calculus BC | 1 | 12 | Precalculus (See Suggested Guidelines) |
| AP Statistics | 1 | 11-12 | Algebra II (See Suggested Guidelines) |

Suggested Guidelines for Pre-Advanced Placement and Advanced Placement Mathematics

- Successful completion of mathematics courses taken previously with an average of 80 or above
- Students encouraged to seek teacher advisement
- Student should have passed TAKS.

These suggested guidelines are designed to aid the student in choosing the course in which he/she will most likely succeed.

Algebra I

PEIMS: 03100500

Grade Placement: 9

Prerequisite: None

Credit: 1

Algebra I is designed to develop algebraic thinking and symbolic reasoning skills. Students will study relationships among quantities, with an emphasis on linear, quadratic, and exponential functions. Students will learn to use a variety of representations (concrete, numerical, algorithmic, and graphical) to represent meaningful mathematical situations. Students will use graphing calculators to facilitate this understanding.

Algebra I Pre-AP

PEIMS: 03100500Q

Grade Placement: 8-9

Prerequisite: None (See Suggested Guidelines)

Credit: 1

Algebra I Pre-AP provides in-depth study of algebraic thinking and symbolic reasoning skills. Students will further study relationships among quantities, with an in-depth emphasis on linear, quadratic and exponential functions. Students will learn to use a variety of representations (concrete, numerical, algorithmic and graphical) to represent meaningful mathematical situations.. **Extra time is required on the part of Pre-AP**

students for class preparation and completion of assignments than is normally required of students in regular classes.

Geometry

PEIMS: 03100700

Grade Placement: 9-10

Prerequisite: Algebra I

Credit: 1

Geometry provides a general study of plane and solid geometry. Techniques used in deductive reasoning will be introduced. Students will analyze geometric figures, both two- and three-dimensional, and their properties. Students will apply concepts of congruence, similarity, and measurement in problem solving.

Geometry Pre-AP

PEIMS: 03100700Q

Grade Placement: 9-10

Prerequisite: Algebra I (See Suggested Guidelines)

Credit: 1

Geometry Pre-AP provides an in-depth study of plane and solid geometry at an accelerated pace allowing for a more extensive study of the axioms and theorems. Students will further analyze geometric relationships, verify conjectures and justify statements in proofs. Topics include basic geometric properties, postulates, theorems, triangles, polygons, circles, geometric formulas, constructions, coordinate geometry, and transformations. **Extra time is required on the part of Pre-AP students for class preparation and completion of assignments than is normally required of students in regular classes.**

Math Models with Applications

PEIMS: 03102400

Grade Placement: 10-11

Prerequisite: Algebra I and Geometry

Credit: 1

In Mathematical Models with Applications, students continue to build on the K-8 and Algebra I foundations as they expand their understanding through other mathematical experiences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines. Students use mathematical methods to model and solve real-life-applied problems involving personal finance, business, data, chance, patterns, music, art, architecture and science.

For students entering 9th grade during or after 2007-2008 and graduating on the Recommended Plan, Mathematical Models, if selected, must be taken prior to Algebra II.

Algebra II

PEIMS: 03100600

Grade Placement: 10-12

Prerequisite: Algebra I and Geometry

Credit: 1

Algebra II extends the development of students' symbolic reasoning and algebraic thinking skills. An in-depth study of functions, including linear, quadratic, exponential, rational, and radical functions, provides students with a means for analyzing and understanding a broad variety of relationships of quantities in meaningful contexts. Students use analytical geometry to explore the relationship between algebraic and geometric concepts. The graphing calculator is used extensively in this course.

Algebra II Pre-AP

PEIMS: 03100600Q

Grade Placement: 10-12

Prerequisite: Algebra I and Geometry (See Suggested Guidelines)

Credit: 1

Algebra II Pre-AP is designed to study the topics studied in Algebra II in more depth and/or at an accelerated pace. The ability to analyze errors and discover acceptable approaches to solve problems will be developed. Algebra II addresses the complex number system, higher-degree polynomials, second-degree equations, systems of linear equations, sequence and series, and application of algebraic skills through stated problems. The graphing calculator will be used extensively in this course. **Extra time is required on the part of Pre-AP students for class preparation and completion of assignments than is normally required of students in regular classes.**

The following courses are ELECTIVES offered in math. Students who entered high school in 2007 and beyond must choose one of the courses listed below to meet the total of 4 credits required for graduation.

Advanced Quantitative Reasoning

PEIMS: 03102510

Grade Placement: 11-12

Prerequisite: Algebra I, Geometry and Algebra II

Credit: 1

This course is a mathematics course that emphasizes statistics and financial applications, and it prepares students to use algebra, geometry, trigonometry, and discrete mathematics to model a range of situations and solve problems. It also prepares students for college majors that are not math intensive, for technical training or for a range of career options.

Precalculus

PEIMS: 03101100

Grade Placement: 11-12

Prerequisite: Algebra II

Credit: 1

Pre-Calculus provides students with an opportunity to explore higher-level mathematics and prepare for the rigors of college mathematics. Students use their reasoning skills to extend their understanding of the polynomial and rational functions studies in algebra and explore trigonometric functions. Students describe characteristics and perform transformations on a variety of parent functions. This class is strongly recommended for college bound students and is necessary preparation for college algebra and college trigonometry.

Precalculus Pre-AP

PEIMS: 03101100QP

Grade Placement: 11-12

Prerequisite: Geometry and Algebra II
(See Suggested Guidelines)

Credit: 1

Precalculus Pre-AP is designed to integrate the topics of trigonometry, elementary analysis, and analytic geometry to provide a strong foundation in precalculus concepts, techniques, and applications to prepare students for advanced work. This course is necessary preparation for students intending to begin college math studies with calculus. **Extra time is required on the part of Pre-AP students for class preparation and completion of assignments than is normally required of students in regular classes.**

Functional Approach to College Algebra/Trigonometry (Math 1314 & 1316)

PEIMS: 03102500D

Grade Placement: 11-12

Prerequisite: Algebra I, Geometry and Algebra II

Credit: 1

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school

Math 1314- Functional Approach to College Algebra is the study of quadratics; polynomial, rational, logarithmic, and exponential functions; systems of equations; sequences and series; and matrices.

Math 1316- Functional Approach to College Trigonometry is the study of circular and trigonometric functions; trigonometric identities and equations; triangle trigonometry, vectors, and complex numbers.

Students must register and pay for the courses through Tarrant County College, Northwest Campus.

AP Calculus AB

PEIMS: A3100101P

Grade Placement: 12

Prerequisite: Precalculus (See Suggested Guidelines)

Credit: 1

AP Calculus AB covers essentially the same topics as a first semester college calculus course. Topics include development of the derivative, application of the derivative (maxima and minima, curve sketching, rate of change and related rates), area under a curve and development of the integral, formulas of integration and volumes of revolution. **Extra time is required on the part of AP students for class preparation and completion of assignments than is normally required of students in regular classes. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students are expected to take the AP Calculus exam for college credit.**

AP Calculus BC

PEIMS: A3100101P

Grade Placement: 12

Prerequisite: Precalculus Pre-AP

Credit: 1

This course prepares students for the College Board AP Calculus BC Examination for possible college credit (1st and 2nd semester calculus). Students explore all topics covered in AP Calculus AB plus additional topics such as parametric, polar, and vector functions and derivatives; L'Hospital's Rule, Applications of Integrals; and Polynomial Approximations and Series. **Extra time is required on the part of AP students for class preparation and completion of assignments than is normally required of students in regular classes. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students are expected to take the AP Calculus Exam in the spring.**

AP Statistics

PEIMS: A3100200

Grade Placement: 11-12

Prerequisite: Algebra II (See Suggested Guidelines)

Credit: 1

This course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. It is equivalent to a one-semester, introductory, non-calculus based college course in statistics. **Extra time is required on the part of AP students for class preparation and completion of assignments than is normally required of students in regular classes. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students are expected to take the AP Statistics Exam in the spring.**

| Science | | | |
|--|----------------|--------------|--|
| Course Name | Credits | Grade Levels | Prerequisites |
| Biology | 1 | 9 | None |
| Biology Pre-AP | 1 | 9 | None (See Suggested Guidelines) |
| Integrated Physics and Chemistry | 1 | 10 | Academic Need/Faculty Recommendation |
| Chemistry | 1 | 10-12 | Biology I, Algebra I/Completion or Concurrent Enrollment in Second Year of Math |
| Chemistry Pre-AP | 1 | 10-12 | Biology and Completion/Concurrent Enrollment in Algebra II (See Suggested Guidelines) |
| Physics | 1 | 10-12 | Algebra I/Completion or Concurrent Enrollment in Second Year of Math |
| Physics Pre-AP | 1 | 11-12 | Biology, Chemistry, Algebra II and Completion/Concurrent Enrollment in Precalculus (See Suggested Guidelines) |
| Anatomy and Physiology of Human Systems | 1 | 11-12 | Biology and Chemistry |
| Aquatic Science | 1 | 11-12 | Biology and Chemistry |
| Environmental Systems | 1 | 11-12 | Biology and Chemistry |
| Environmental Science AP | 1 | 11-12 | Biology and Chemistry (See Suggested Guidelines) |
| Forensic Science (take w/ Law Enforcement I) Site: Hollenstein Career and Technology Center | 1 | 11-12 | Biology, Chemistry, and Enrollment in Law Enforcement I |
| Forensic Science-Accelerated Site: Hollenstein Career and Technology Center | 1 | 11-12 | Biology, Chemistry, and Two consecutive class periods |
| Medical Microbiology/Pathophysiology | .5 each | 11-12 | Biology and Chemistry |
| Biology AP | 1 | 10-12 | Biology, Chemistry and Algebra II or Concurrent Enrollment (See Suggested Guidelines) |
| Chemistry AP | 1 | 11-12 | Biology, Chemistry, Physics and Algebra II (See Suggested Guidelines) |
| Physics B AP | 1 | 12 | Physics (See Suggested Guidelines) |

Suggested Guidelines for Pre-Advanced Placement and Advanced Placement Science

- Successful completion of science courses taken previously with an average of 80 or above
- Students encouraged to seek teacher advisement
- Student should have passed TAKS.

These suggested guidelines are designed to aid the student in choosing the course in which he/she will most likely succeed.

Biology

PEIMS: 03010200

Grade Placement: 9-10

Prerequisite: None

Credit: 1

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: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy

transfers in living organisms; living systems; homeostasis; ecosystems; and plants and the environment.

Biology Pre-AP

PEIMS: 03010200Q

Grade Placement: 9

Prerequisite: None (See Suggested Guidelines)

Credit: 1

Biology Pre-AP is designed as the first year of a two year program to prepare students for the Advanced Placement Biology exam for college credit. Pre-AP Biology is a comprehensive study of biology, ecology, evolution, biochemical pathways, organic and biochemistry, cell biology, genetics, molecular biology, microbiology (which includes invertebrates), taxonomy, embryogenesis, homeostasis, and human body systems. This course is designed for the highly motivated student and utilizes content and activities that stress higher level thinking skills, a rigorous, in-depth and sophisticated laboratory based approach and accelerated concept pacing. **Extra time is required on the part of Pre-AP students for class preparation, outside reading, and completion of assignments than is normally required of students in regular classes.**

Integrated Physics and Chemistry

PEIMS: 03060201

Grade Placement: 10

Prerequisite: Academic Need/Faculty Recommendation

Credit: 1

IPC is recommended for students who need extra preparation to meet the rigors of physics and chemistry and integrates the two disciplines with a strong emphasis on calculation in the following topics: motion, waves, energy transformation, properties of matter, changes in matter, and solution chemistry. Students who take Integrated Physics and Chemistry (IPC) must also take biology, chemistry and physics in order to meet the requirements of the Recommended High School Program. IPC must be taken prior to both chemistry and physics. IPC does not qualify under the Distinguished Graduation Program.

Chemistry

PEIMS: 03040000

Grade Placement: 10-12

Prerequisite: Biology I, Algebra I/Completion or Concurrent Enrollment in Second Year of Math

Credit: 1

In Chemistry, students conduct field and laboratory, investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem-solving. Chemistry is a study of matter and the changes it undergoes. Chemistry students will cover nomenclature, chemical reactions, stoichiometry, the behavior of gases, atomic history and structure, chemical bonding, nuclear fission and fusion as well as acid-base

theories. A conceptual approach will be coupled with mathematical skills necessary to solve fundamental chemistry problems. Students study a variety of topics that revolve around societal questions and how chemistry affects our daily lives.

Chemistry Pre-AP

PEIMS: 03040000Q

Grade Placement: 10-12

Prerequisite: Biology and Completion/Concurrent Enrollment in Algebra II
(See Suggested Guidelines)

Credit: 1

Chemistry Pre-AP is designed as the first year of a two year program to prepare students for the Advanced Placement Chemistry exam for college credit. This course is a faster-paced, more intensive presentation of the theories and concepts studied in chemistry. Topics to be covered, as determined by the College Board, include scientific processes, characteristics of matter, atomic theory, bonding and covalent compounds, chemical reactions, quantifying equations, solids, liquids, and solutions, and gas laws. Additional emphasis is placed on mathematical relationships and problem solving skills. (Students should have a thorough understanding of Algebra.) This course is designed for the highly motivated student and utilizes content and activities that stress higher level thinking skills, a rigorous, in-depth and sophisticated laboratory based approach and accelerated concept pacing. **Extra time is required on the part of Pre-AP students for class preparation, outside reading, and completion of assignments than is normally required of students in regular classes.**

Physics

PEIMS: 03050000

Grade Placement: 10-12

Prerequisite: Algebra I/ Completion or Concurrent Enrollment in Second Year of Math

Credit: 1

In Physics, students conduct field and laboratory, investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem-solving. In Physics, students will study laws of motion, changes within physical systems and conservation of energy and momentum, force, thermodynamics, characteristics and behavior of waves, and quantum physics. A conceptual approach will be coupled with mathematical skills necessary to solve fundamental physics problems. Students will study a variety of topics that revolve around how physics affects our daily lives.

Physics Pre-AP

PEIMS: 03050000Q

Grade Placement: 10-12

Prerequisite: Biology, Chemistry, Algebra II and Completion/Concurrent Enrollment in Precalculus (See Suggested Guidelines)

Credit: 1

Physics Pre-AP is designed as the first year of a two year program to prepare students for the Advanced Placement Physics exam for college credit. This course is a faster-paced, more intensive presentation of the theories and concepts studied in Physics. Topics to be covered, as determined by the College Board, include scientific processes, kinematics, Newton's laws of motion, work, energy and power, systems of particles and linear momentum, rotation, oscillations, and gravitation. Additional emphasis is placed on mathematical relationships and problem solving skills. This course is designed for the highly motivated student and utilizes content and activities that stress higher level thinking skills, a rigorous, in-depth and sophisticated laboratory based approach and accelerated concept pacing. **Extra time is required on the part of Pre-AP students for class preparation, outside reading, and completion of assignments than is normally required of students in regular classes.**

The following courses are ELECTIVES offered in science. Students who entered high school in 2007 and beyond must choose one of the courses listed below to meet the total of 4 credits required for graduation.

Anatomy and Physiology

PEIMS: 12112130

Grade Placement: 11-12

Prerequisite: Biology and Chemistry

Credit: 1

Anatomy and Physiology is a comprehensive study of the structures and functions of the human body. This course will include dissections and the study of the organization of organs and organ systems. Students will utilize critical thinking skills and scientific problem solving as they conduct lab investigations.

Aquatic Science

PEIMS: 03030000

Grade Placement: 10-12

Prerequisite: Biology and Chemistry

Credit: 1

In Aquatic Science, students conduct field and laboratory investigations, use scientific methods during investigations and make informed decisions using critical thinking and scientific problem solving. Students will study: components of an aquatic ecosystem; relationships among aquatic habitats and ecosystems; roles of cycles within an aquatic environment, adaptations of aquatic organisms,

changes within aquatic environments, geological phenomena and fluid dynamics effects, and origin and use of water in a watershed. Students study a variety of current topics that revolve around societal questions and how humans have impacted aquatic environments.

Environmental Systems

PEIMS: 03020000

Grade Placement: 11-12

Prerequisite: Biology and Chemistry

Credit: 1

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: biotic and abiotic factors in habitats; ecosystems and biomes; interrelationships among resources and an environmental system; sources and flow of energy through an environmental system; relationship between carrying capacity and changes in populations and ecosystems; and changes in environments. Students study a variety of current topics that revolve around societal questions and how humans impact the environment.

Environmental Science AP

PEIMS: A3020000P

Grade Placement: 11-12

Prerequisite: Biology and Chemistry (See Suggested Guidelines)

Credit: 1

This course is an interdisciplinary experience that embraces a wide variety of topics from different areas of study, such as Meteorology, Hydrology, Geology, Ecology, Physics, Chemistry, History, Agriculture, Mathematics, Statistics, Economics, and Political Science. The APES course is designed to be the equivalent of a one-semester introductory, college-level course in environmental science. The goal of the Environmental Science AP course is to provide students with the scientific principles, concepts, and methodologies that are required for them to understand the interrelationships of the natural world, and prepare them to take the Environmental Science AP exam. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments than is normally required of students in regular classes. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students are expected to take the Advanced Placement Exam in the spring.**

Forensic Science (Taken w/Law Enforcement I)

PEIMS: 13029500

Grade Placement: 11-12

Prerequisite: Biology, Chemistry and Enrollment in Law Enforcement I

Credit: 1

Site: Hollenstein Career and Technology Center (HCTC)
Forensic Science is a course that uses a structured and

scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes.

(only students in Law Enforcement I may take this course)

Forensic Science-Accelerated

PEIMS: 13029500

Grade Placement: 11-12

Prerequisite: Biology, Chemistry

Credit: 1 (two consecutive class periods)

Site: Hollenstein Career and Technology Center (HCTC)

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes.

**This course meets for 2 periods a day. Students will complete the year long course in one semester.*

Medical Microbiology / Pathophysiology

PEIMS: 12112140 / 12112150

Grade Placement: 11-12

Prerequisite: Biology and Chemistry

Credit: .5 each

Site: HCTC, BHS, SHS

Medical Microbiology is designed to explore medical based microbiology. The student will discover relationships between microbes and health maintenance as well as the role of microbes in infectious diseases.

Pathophysiology students conduct laboratory investigations and fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Students study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of diseases. Students will differentiate between normal and abnormal physiology.

**These two courses must be taken together to count as the fourth state approved science.*

Biology AP

PEIMS: A3010200P

Grade Placement: 10-12

Prerequisite: Biology, Chemistry and Algebra II or Concurrent Enrollment (See Suggested Guidelines)

Credit: 1

Biology AP is a comprehensive study of advanced biology. It is designed to prepare students to take the AP Biology exam. The class covers material a student would encounter in a, freshman level, college biology class. The content of the course will meet College Board standards. Three broad topics, as determined by the College Board, will be covered. This includes molecules and cells, heredity and natural selection, and organisms and populations. In-depth descriptive and experimental laboratory experiences will comprise at least 25% of this course. Students will use a recommended college biology major's text. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments than is normally required of students in regular classes. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students are expected to take the Advanced Placement Exam in the spring.**

Chemistry AP

PEIMS: A3040000P

Grade Placement: 11-12

Prerequisite: Biology, Chemistry, Physics and Algebra II (See Suggested Guidelines)

Credit: 1

Chemistry AP is a comprehensive study of advanced chemistry. It is designed to prepare students to take the AP Chemistry exam. The class covers material a student would encounter in a, freshman level, college chemistry class. The content of the course will meet College Board standards. The following topics will be taught in considerable depth: atomic structure and bonding, kinetics, chemical equilibrium, electrochemistry and the basic concepts of thermodynamics. In-depth descriptive and experimental laboratory will comprise at least 33% of this course. Students will use a recommended college chemistry major's text. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments than is normally required of students in regular classes. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students are expected to take the Advanced Placement Exam in the spring.**

Physics B AP

PEIMS: A3050001P

Grade Placement: 12

Prerequisite: Physics (See Suggested Guidelines)

Credit: 1

Physics B AP is a comprehensive study of advanced physics. It is designed to prepare students to take the AP Physics exam. The class covers material a student would encounter in a, freshman level, college physics class. The content of the course will meet College Board standards. The following topics will be taught in considerable depth: Newtonian mechanics, fluid mechanics and thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics. In-depth descriptive and experimental laboratory will be utilized throughout this course. Although this course is trigonometry based, introduction and exposure to calculus in physics concepts will be made in this class. Students will use a recommended college physic major's text. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments than is normally required of students in regular classes. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students are expected to take the Advanced Placement Exam in the spring.**

Elective sciences may be taken at the grade level(s) listed once prerequisites have been met.

Social Studies

| Course Name | Credits | Grade Levels | Prerequisites |
|--|---------|--------------|---------------------------------------|
| World Geography | 1 | 9 | None |
| World Geography Pre AP | 1 | 9 | None (See Suggested Guidelines) |
| Human Geography AP | 1 | 9-12 | None (See Suggested Guidelines) |
| World History | 1 | 10 | None |
| World History AP | 1 | 10 | None (See Suggested Guidelines) |
| United States History | 1 | 11 | None |
| United States History AP | 1 | 11 | None (See Suggested Guidelines) |
| United States History Dual Credit (HIST 1301 & 1302) | 1 | 11 | TCC Admission Standards |
| United States Government | .5 | 12 | None |
| United States Government and Politics AP | .5 | 12 | None (See Suggested Guidelines) |
| United States Government Dual Credit (GOVT 2305) | .5 | 12 | TCC Admission Standards |
| Economics | .5 | 12 | None |
| Economics AP (Macroeconomics) | .5 | 12 | None (See Suggested Guidelines) |
| Principles of Economics Dual Credit (ECON 2301) | .5 | 12 | TCC Admission Standards |
| Psychology | .5 | 11-12 | None (Course Contains Mature Content) |
| Psychology AP | .5 | 11-12 | None |
| Sociology | .5 | 11-12 | None |

Suggested Guidelines for Pre-Advanced Placement and Advanced Placement Social Studies

- Successful completion of social studies courses taken previously with an average of 80 or above
- Students encouraged to seek teacher advisement
- Student should have passed TAKS.

These suggested guidelines are designed to aid the student in choosing the course in which he/she will most likely succeed.

World Geography

PEIMS: 03320100

Grade Placement: 9

Prerequisite: None

Credit: 1

In World Geography students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. The social studies strands of the Texas Essential Knowledge and Skills (TEKS), including history, geography, economics, government, citizenship, culture, science/technology/society and social studies skills are integrated.

World Geography Pre AP

PEIMS: 03320100Q

Grade Placement: 9

Prerequisite: None (See Suggested Guidelines)

Credit: 1

World Geography Pre-AP students are introduced to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's

surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. **Extra time is required on the part of Pre-AP students for class preparation, outside reading, and completion of assignments than is normally required of students in regular classes.**

Human Geography AP

PEIMS: A3360100

Grade Placement: 9 (May also be taken as an elective course by students in grades 10-12)

Prerequisite: None (See Suggested Guidelines)

Credit: 1

Human Geography AP meets the World Geography state graduation requirement and introduces students to the importance of spatial organization—the location of places, people, and events, and the connections among places and landscapes—in the understanding of human life on Earth. Students will develop an understanding of the ways in which the human population is organized geographically; the components and regional variations of cultural patterns and processes; the nature and significance of the political organization of territory at different scales; the origin and spread of agriculture, including the characteristics of the world’s agricultural regions, reasons why these regions function the way they do, and the impact of agricultural change on the quality of life and the environment; the geographic elements of industrialization and development, including contemporary issues surrounding economic activity; and urban geography, including current trends in urban development. Additionally, the social studies strands of the Texas Essential Knowledge and Skills (TEKS), including history, geography, economics, government, citizenship, culture, science/technology/society and social study skills are integrated. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments than is normally required of students in regular classes. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students who take Human Geography AP are expected to take the Advanced Placement Exam in the spring.**

World History

PEIMS: 03340400

Grade Placement: 10

Prerequisite: None

Credit: 1

World History students are provided an overview of the entire history of humankind. The major emphasis is on the student of significant people, events, and issues from the earliest times to the present. The social studies strands of the Texas Essential Knowledge and Skills (TEKS), including economics, government, citizenship, culture, science/technology/society and social studies skills are

integrated with the history and geography strands to establish a sense of time and a sense of place.

World History AP

PEIMS: A3370100P

Grade Placement: 10

Prerequisite: None (See Suggested Guidelines)

Credit: 1

World History AP students develop greater understanding of the evolution of global processes and contacts, in interaction with different types of Human societies through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies and builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments than is normally required of students in regular classes. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students are expected to take the Advanced Placement Exam in the spring.**

United States History (Since Reconstruction)

PEIMS: 03340100

Grade Placement: 11

Prerequisite: None

Credit: 1

United States Studies since Reconstruction is the second part of a two-year study of U.S. History that begins in Grade 8. 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. The social studies strands of the Texas Essential Knowledge and Skills (TEKS), including economics, government, citizenship, culture, science/technology/society and social studies skills are integrated with the history and geography strands to establish a sense of time and a sense of place.

United States History AP

PEIMS: A3340100P

Grade Placement: 11

Prerequisite: None (See Suggested Guidelines)

Credit: 1

United States History AP students are presented an overview of the political, diplomatic, economic, social and cultural history of America from prehistoric times through the present. Through readings, presentations, lectures, discussions, and class activities, students will explore major themes in American history. **Extra time is required on the part of AP students for class**

preparation, outside reading, and completion of assignments than is normally required of students in regular classes. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students are expected to take the Advanced Placement Exam in the spring.

United States History Dual Credit (HIST 1301 & 1302)

PEIMS: 03340100D

Grade Placement: 11

Prerequisite: TCC Admissions Standards

Credit: 1

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school.. The first semester of this course traces the development of the American nation from its roots to the close of Reconstruction. The second semester traces the development of the American nation from Reconstruction to the present.

Students must register and pay for the course through Tarrant County College, Northwest Campus.

United States Government

PEIMS: 03330100

Grade Placement: 12

Prerequisite: None

Credit: .5

United States Government focuses 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. A significant focus of the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created. The content enables students to understand the importance of patriotism, function in a free enterprise society, and appreciate the basic democratic values of our state and nation.

United States Government and Politics AP

PEIMS: A3330100P

Grade Placement: 12

Prerequisite: None (See Suggested Guidelines)

Credit: .5

U.S. Government and Politics AP students are introduced to political science concepts in the context of institutions and practices. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments than is normally required of students in regular classes. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students who take U.S. Government and Politics AP are expected to take the United States Government and Politics or Comparative Government and Politics exam but may elect to take both Advanced Placement Exams.**

United States Government Dual Credit (GOVT 2305)

PEIMS: 03330100D

Grade Placement: 12

Prerequisite: TCC Admissions Standards

Credit: 1

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. The course teaches United States constitutional and governmental systems.

Students must register and pay for the course through Tarrant County College, Northwest Campus.

Economics

PEIMS: 03310300

Grade Placement: 12

Prerequisite: None

Credit: .5

Economics with Emphasis on the Free Enterprise System and its Benefits is the culmination of the economic content and concepts studies throughout social studies courses. The focus 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. The course builds upon the foundation in citizenship, economics, geography, government, history, culture, social studies skills and science, technology, and society laid by the social studies essential knowledge and skills.

Economics AP (Macroeconomics)

PEIMS: A3310200P

Grade Placement: 12

Prerequisite: None (See Suggested Guidelines)

Credit: .5

Students in AP Economics will gain a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. Primary emphasis is placed on the nature and functions of product markets, and includes the study of factory markets and of the role of government in promoting greater efficiency and equity in the economy. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments than is normally required of students in regular classes. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students who take Economics AP are expected to take either the Microeconomics or Macroeconomics Exam but may elect to take both Advanced Placement Exams.**

**Principles of Macroeconomics Dual Credit
(ECON 2301)**

PEIMS: 03310300D

Grade Placement: 12

Prerequisite: TCC Admissions Standards

Credit: 1

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. This course is taught with an emphasis on the U.S. economy, the economizing problem, demand-supply theory, national income accounting, business fluctuations, fiscal policy, and monetary policy.

Students must register and pay for the course through Tarrant County College, Northwest Campus.

The following courses are ELECTIVES offered in social studies. They do NOT substitute for the required credit in social studies.

Psychology

PEIMS: 03350100

Grade Placement: 11-12

Prerequisite: None

Credit: .5

Psychology is an elective course in which 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 such topics as theories of human development, personality, motivation, and learning.

Psychology AP

PEIMS: A3350100P

Grade Placement: 11-12

Prerequisite: None

Credit: .5

Psychology AP introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. **This is a college level course and contains mature content. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses.**

Sociology

PEIMS: 03370100

Grade Placement: 11-12

Prerequisite: None

Credit: .5

Sociology is an elective course in which students study dynamics and models in individual and group relationships. Students study topics such as the history and systems of sociology, cultural and social norms, social institutions, and mass communication.

Advancement Via Individual Determination (AVID)

| Course Name | Credits | Grade Levels | Prerequisites |
|-------------|---------|--------------|---|
| AVID I | 1 | 9 | District Admissions Standards/ Application Process |
| AVID II | 1.5 | 10 | District Admissions Standards/ Application Process |
| AVID III | 1 | 11 | District Admissions Standards/ Application Process |
| AVID IV | 1 | 12 | District Admissions Standards/ Application Process |

AVID I

PEIMS: N1290001

Grade Placement: 9

Prerequisite: District Admissions Standards/
Application Process

Credit: 1

Advancement Via Individual Determination (AVID) is a college preparatory elective course with a focus on the AVID core strategies including organizational skills, time management, goal setting, collaboration, public speaking, Cornell notes, reading strategies, the writing process, and levels of inquiry. Students also explore college and professional careers in the AVID elective course.

AVID II/Communication Applications

PEIMS: N1290002

Grade Placement: 10

Prerequisite: District Admissions Standards/
Application Process

Credit: 1.5

Advancement Via Individual Determination (AVID II) is a college preparatory elective course with a focus on the AVID core strategies including organizational skills, time management, goal setting, collaboration, public speaking, Cornell notes, reading strategies, the writing process, and levels of inquiry. Students also explore college and professional careers in the AVID elective course.

The four components of the Communication Application Texas Essential Knowledge and Skills (Communication Process, Interpersonal, Group Communications, Presentations) embedded in the 10th grade AVID elective course also allow students to earn Communications Application credit upon successful completion of the year-long elective course. A grade of "P" (Passing) will be recorded on a student's transcript for Communication Application.

AVID III

PEIMS: N1290030

Grade Placement: 11

Prerequisite: District Admissions Standards/
Application Process

Credit: 1

Advancement Via Individual Determination (AVID III) is a college preparatory elective course with a focus on the AVID core strategies including organizational skills, time management, goal setting, collaboration, public speaking, Cornell notes, reading strategies, the writing process, and levels of inquiry. Students also explore college and professional careers in the AVID elective course.

AVID IV

PEIMS: N1290033

Grade Placement: 12

Prerequisite: District Admissions Standards/
Application Process

Credit: 1

Advancement Via Individual Determination (AVID IV) is a college preparatory elective course with a focus on the AVID core strategies including organizational skills, time management, goal setting, collaboration, public speaking, Cornell notes, reading strategies, the writing process, and levels of inquiry. Students also explore college and professional careers in the AVID elective course.

Athletics

| Boys | Girls |
|---------------|---------------|
| Baseball | Basketball |
| Basketball | Cross Country |
| Cross Country | Golf |
| Football | Gymnastics |
| Golf | Soccer |
| Gymnastics | Softball |
| Soccer | Swimming |
| Swimming | Tennis |
| Tennis | Track |
| Track | Volleyball |
| Wrestling | Wrestling |

High School Athletics

Grade Placement: 9-12

PEIMS: PES00000

PES00001

PES00002

PES00003

Prerequisite: Coach Approval

Credit: .5 per semester

Athletics provide students with the opportunity to fine tune their athletic abilities and compete against students from other schools. Participation in athletics develops self-discipline, cooperation, leadership, responsibility, self-control and selflessness of participation in team sports. A physical examination is required to be on file before participation. **Students may earn up to 4 credits for participation in athletics.**

**FOR MORE
INFORMATION REGARDING
PHYSICAL EDUCATION
SUBSTITUTIONS AND CREDITS
PLEASE REFER TO
PAGES 9-10 OF THIS GUIDE.**

Ninth grade athletics is the introduction of UIL Competition Athletics at the high school level. Our objectives are to teach the proper attitude, improve the athletic ability of each student and to use Athletics to enhance academics. Students in the class period work to become better people and better athletes and practice individual sport skills after school. **Students may earn up to 4 credits for participation in athletics.**

Requirements to enroll: All necessary paperwork must be completed and turned in prior to end of school in the student's eighth grade year. A physical examination is required to be on file before participation.

Supplementary Athletic Events

Boswell and Saginaw High Schools participate in competitive Power Lifting. Power lifting is not offered as a class during the school day. Students practice before and/or after school.

Contact the Athletic Department for additional information.



Are you interested in wildlife, animals, parks or forestry? Have you always wanted to take care of an animal but didn't have the space at home? Are you curious about the physical world and concerned about the environment? Are you interested in horticulture? If you answered "yes" to most of these questions, this may be the career path for you!

Career and Technical Education: Agriculture , Food and Natural Resources

| Course Name | Credits | Grade Levels | Prerequisites |
|---|---------|--------------|---------------|
| Principles of Agriculture, Food and Natural Resources | .5 | 9-12 | None |
| Agricultural Mechanics and Metal Technologies | .5 | 10-12 | None |
| Energy & Natural Resources Technology | .5 | 10-12 | None |
| Equine Science | .5 | 10-12 | None |
| Livestock Production | .5 | 10-12 | None |
| Small Animal Management | .5 | 10-12 | None |
| Wildlife Fisheries & Ecology Management | .5 | 10-12 | None |

Principles of Agriculture, Food and Natural Resources

PEIMS: 13000200

Grade Placement: 9-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

This course is designed to prepare students for careers in agriculture, food and natural resources. This course introduces the basics of global agriculture.

Agricultural Mechanics and Metal Technologies

PEIMS: 13002200

Grade Placement: 10-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques.

Energy and Natural Resources Technology

PEIMS: 13001100

Grade Placement: 10-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

This course is designed to explore the interdependency of the public and natural resource systems related to energy production. Students explore the elements, concepts, and skills related to energy and environmental technology.

They have the opportunity to determine the importance of natural resources, energy, and environment while evaluating conservation and environmental policies.

Equine Science

PEIMS 13000500

Grade Placement: 10-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

This course is designed to develop knowledge and skills pertaining to the selection, nutrition, reproduction, health, and management of horses, donkeys, and mules.

Livestock Production

PEIMS: 13000300

Grade Placement: 10-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

This course is designed to prepare for careers in the field of animal science. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry.

Small Animal Management

PEIMS: 13000400

Grade Placement: 10-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

This course prepares students for careers in the field of

animal science, students learn the importance of responsible care and management requirements for a variety of small animals. The students learn safe practices and techniques for working with small animals.

Wildlife Fisheries & Ecology Management

PEIMS: 13001500

Grade Placement: 10-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

This course examines the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices. It discusses the importance of wildlife and outdoor recreation with an emphasis on using wildlife and natural resources.



Do you like to work with your hands? Do you like to draw on a computer? Do you enjoy problem solving and creative thinking? Are you curious about how things work? If the answer to most of these questions is “yes,” this may be the career path for you!

Career and Technical Education: Architecture and Construction

| Course Name | Credits | Grade Levels | Prerequisites |
|--|---------|--------------|------------------------|
| Principles of Architecture and Construction Technology | .5 | 8-12 | None |
| Architectural Design | 1 | 10-12 | None |
| Construction Technology | 1 | 10-12 | None |
| Advanced Electrical Technology-IEC | 2 | 12 | CTE Enrollment Request |

Principles of Architecture and Construction Technology

PEIMS: 13004200

Grade Placement: 8-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS, CMS, EWMS, HMS, PVMS, WMS

Principles of Architecture and Construction Technology provides an overview to the various fields of architecture, construction science, and construction technology.

Architectural Design

PEIMS: 13004600

Grade Placement: 10-12

Prerequisite: None

Credit: 1

Site: BHS, SHS, CTHS

A technical course in principles of residential design, architectural styles, and construction practices. Activities focus on the development of original working drawings, presentation drawings, and model building. This course is taught with computerized equipment.

Construction Technology

PEIMS: 13005100

Grade Placement: 10-12

Prerequisite: None

Credit: 1

Site: BHS, SHS, CTHS

Students will gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering.

Advanced Electrical Technology-IEC

PEIMS: 13005700

Grade Placement: 12

Prerequisite: CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)

In Advanced Electrical Technology students gain advanced knowledge and skills specific to those needed to enter the work force as an electrician. Students acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, alternating current and direct current motors, conductor installations, installation of electrical services and electric lighting installation.

This course is the first year of Fort Worth Independent Electrical Contractor's program leading to a journeyman electrician license.



Do you enjoy working with other people? Do other people think of you as being creative? Do you like to draw, paint or visually depict what you see or imagine? Are you good at writing and/or speaking? Do you enjoy working with technology, especially in creating multimedia productions? If so, Arts, A/V Technology & Communications may be the career pathway for you.

Career and Technical Education: Arts, A/V Technology & Communication

| Course Name | Credits | Grade Levels | Prerequisites |
|--|---------|--------------|---|
| Professional Communications | .5 | 8-12 | None |
| Digital and Interactive Media | 1 | 9-12 | None |
| Audio/Video Production | 1 | 9-12 | None |
| Advanced Audio/Video Production | 2 | 11-12 | CTE Enrollment Request |
| Radio Broadcasting | 2 | 11-12 | CTE Enrollment Request |
| Practicum in Audio/Video Production <i>Options:</i> 1- Video 2- Radio | 2 | 12 | Advanced Audio/Video Production <i>or</i> Radio Broadcasting I and II <i>and</i> CTE Enrollment Request |
| Animation | 2 | 11-12 | CTE Enrollment Request |
| Advanced Animation | 2 | 12 | Animation <i>and</i> CTE Enrollment Request |
| Graphic Design and Illustration | 2 | 11-12 | CTE Enrollment Request |
| Advanced Graphic Design and Illustration | 2 | 12 | Graphic Design and Illustration <i>and</i> CTE Enrollment Request |

Professional Communications

PEIMS: 13009900

Grade Placement: 8-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS, CMS, EWMS, HMS, PVMS, WMS

Professional Communications blends written, oral, and graphic communication in a career-based environment. 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.

***Students planning to continue in the AVID program should not register for the Professional Communications course. Students in AVID II will receive their Professional Communications credit at the end of the second semester upon successful completion of the course.**

Digital and Interactive Media

PEIMS: 13027800

Grade Placement: 9-12

Prerequisite: None

Credit: 1

Site: BHS, SHS, CTHS

In this course students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment.

Audio/Video Production

PEIMS: 13008500

Grade Placement: 9-12

Prerequisite: None

Credit: 1

Site: BHS, SHS, CTHS

Students will learn the technology to create and manage professional-level video presentations. Pre-production planning (script-writing, storyboarding, shot preparation,

and tools), production (cameras, lighting, sets, and direction), and post-production (editing, master creation, and delivery) will be emphasized using short documentaries and exercises as the basis for mastery.

Advanced Audio/Video Production

PEIMS: 13008600

Grade Placement: 11-12

Prerequisite: CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)

In addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production audio and video activities.

Radio Broadcasting

PEIMS: N1300991

Grade Placement: 11-12

Prerequisite: CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)

Students will learn how to produce and program a radio station in addition to being an “on-air” DJ throughout the majority of the course.

Practicum Audio/Video Production

PEIMS: 13008700

Grade Placement: 12

Prerequisite: Advanced Audio/Video Production *or* Radio Broadcasting I and II *and* CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)

Students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video activities in a studio environment. Instruction will be delivered through lab-based classroom experiences.

Option 1

Video Production/TV

PEIMS: 13008700

Grade Placement: 12

Prerequisite: Advanced Audio/Video Production *and* CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)

Option 2

Audio Production/Radio

PEIMS: 13008700

Grade Placement: 12

Prerequisite: Radio Broadcasting I and II *and* CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)

Animation

PEIMS: 13008300

Grade Placement: 11-12

Prerequisite: CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the history and techniques of the animation industry.

Advanced Animation

PEIMS: 13008400

Grade Placement: 12

Prerequisite: Animation *and* CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to create two- and three-dimensional animations.

Graphic Design and Illustration

PEIMS: 13008800

Grade Placement: 11-12

Prerequisite: CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

Advanced Graphic Design and Illustration

PEIMS: 13008900

Grade Placement: 12

Prerequisite: Graphic Design and Illustration *and* CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills.



Do you enjoy being a leader, organizing people, planning activities for others and talking with people? Do you like carrying through with an idea and seeing an end product? Are you interested in a fast-paced job leading to management? If the answer to these questions is “yes,” this may be the career path for you.

Career and Technical Education: Business Management and Administration

| Course Name | Credits | Grade Levels | Prerequisites |
|---|---------|--------------|-----------------|
| Principles of Business, Marketing and Finance | .5 | 9-12 | None |
| Business Information Management I | 1 | 9-12 | None |
| Business Information Management II | 1 | 10-12 | BCIS I or BIM I |
| Global Business | .5 | 10-12 | None |
| Virtual Business | .5 | 10-12 | None |
| Business Management | 1 | 10-12 | None |
| Business Law | .5 | 11-12 | None |
| Career Preparation I/II Co-op | 3 | 11-12 | None |

Principles of Business, Marketing and Finance

PEIMS: 13011200

Grade Placement: 9-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

This is an introductory course where students will gain knowledge and skills in economics and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles.

Business Information Management I

PEIMS: 13011400

Grade Placement: 9-12

Prerequisite: None

Credit: 1

Site: BHS, SHS, CTHS

Business Information Management develops technology skills with applications to personal or business situations focusing on: word processing, spreadsheets, data bases, telecommunication, desktop publishing, presentation management, networking, operating systems and emerging technologies; and develops intermediate-level skills. The Microsoft IC3 Examination is possible upon successful completion of this course.

Business Information Management II

PEIMS: 13011500

Grade Placement: 10-12

Prerequisite: Business Information Management I
or BCIS

Credit: 1

Site: BHS, SHS, CTHS

BIM II provides advanced technology skills required in the business environment; includes workplace technology standards in applications of word processing, spreadsheets, data bases, telecommunications, desktop publishing, presentation management, networking, operating systems, and emerging technologies, and develops advanced level skills. The Microsoft Office Specialist Examinations in Word, Excel, and Power Point are possible upon successful completion of this course.

Global Business

PEIMS: 13011800

Grade Placement: 10-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

In this course students apply technical skills to address global business applications of emerging technologies. Students develop a foundation in the economical, financial, technology, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs.

Virtual Business**PEIMS:** 13012000**Grade Placement:** 10-12**Prerequisite:** None**Credit:** .5**Site:** BHS, SHS, CTHS

This course will provide students with the ability to identify steps needed to locate customers, set fees, and develop client contracts. Student will be able to provide administrative, creative, and technical services using advanced technological modes of communication and data delivery.

Business Management**PEIMS:** 13012100**Grade Placement:** 10-12**Prerequisite:** None**Credit:** 1**Site:** BHS, SHS, CTHS

This course will allow students to analyze the primary functions of management and leadership, which are planning, organizing, staffing, directing or leading, and controlling. Students will develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent managers, employees, and entrepreneurs.

Business Law**PEIMS:** 13011700**Grade Placement:** 11-12**Prerequisite:** None**Credit:** .5**Site:** BHS, SHS

Students will analyze the social responsibility of business and industry regarding the significant issues relating to the legal environment, business ethics, torts, contracts, negotiable financial instruments, personal property, sales, warranties, business organizations, concept of agency and employment, and real property.

Career Preparation I**PEIMS:** 12701300**Grade Placement:** 11-12**Prerequisite:** None**Credit:** 3**Site:** BHS, SHS**Career Preparation II****PEIMS:** 12701400**Grade Placement:** 12**Prerequisite:** Career Prep 1**Credit:** 3**Site:** BHS, SHS

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



Are you friendly, open, outgoing, understanding and cooperative? Do you like to work with people to solve problems? Are you interested in teaching, coaching and education? Is it important to you to do something that makes a difference? If you answered “yes” to these questions then Education and Training may be the career path for you.

Career and Technical Education: Education and Training

| Course Name | Credits | Grade Levels | Prerequisites |
|--|-----------|--------------|--|
| Principles of Education and Training | .5 | 9-12 | None |
| Counseling and Mental Health | 1 | 10-12 | None |
| Human Growth and Development | 1 | 10-12 | None |
| Instructional Practices in Education and Training | 1 | 11-12 | None |
| Practicum in Education and Training | 2 | 12 | Instructional Practices in Education and Training <u>and</u> Transportation |

Principles of Education and Training

PEIMS: 13014200

Grade Placement: 9-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

Students are introduced to careers available within the education and training career cluster, such as teaching, coaching, director, trainer, educational counseling, and educational administration. Students will create an educational/career plan for working within this career cluster and will begin building a career portfolio that will be developed throughout the education and training course path.

Counseling and Mental Health

PEIMS: 13024600

Grade Placement: 10-12

Prerequisite: None

Credit: 1

Site: BHS, SHS, CTHS

This course is designed for students to model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Course content includes a focus on career opportunities in counseling and mental health, effective communication techniques, characteristics of various mental illnesses, and use of technology in the profession. Students are expected to apply knowledge of ethical and legal responsibilities, limitations, and the implication of their actions.

Human Growth and Development

PEIMS: 13014300

Grade Placement: 10-12

Prerequisite: None

Credit: 1

Site: BHS, SHS, CTHS

Human Growth and Development is an examination of human development across the lifespan with emphasis

upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones.

Instructional Practices in Education and Training

PEIMS: 13014400

Grade Placement: 11-12

Prerequisite: None

Credit: 1

Site: BHS, SHS

Students will develop knowledge, skills, and experiences needed to work within the education and training career cluster. These may include child development theories, learning activities, program management, curriculum planning, teaching and leadership. Students gain field experience at cooperative schools during assigned class time; placement rotations are utilized to allow students to have experiences in a full range of education career roles, grade levels, subject areas and ability groups. Students continue to build a career portfolio that will be developed throughout the education and training course path. Uniform fee may apply of no more than \$25.00.

Practicum in Education and Training

PEIMS: 13014500

Grade Placement: 12

Prerequisite: Inst. Practices in Ed. and Transportation

Credit: 2

Site: BHS, SHS (plus assigned elementary/middle school)

This is the final course in the education and training career cluster. Students are assigned to a field-based internship which provides students with the opportunity to apply the knowledge and skills learned in previous courses in an assigned elementary/middle school classroom. Students will plan and direct student instruction as well work cohesively with assigned teacher four days a week. Students continue to build a career portfolio that will be developed throughout the education and training course path.



Are you good with money? Do you like to work with numbers or ideas? Are you interested in personal money management? Are you good at mathematics? Do you pay attention to sequence and detail? Do you enjoy seeing an end product? This may be the career path for you!

Career and Technical Education: Finance

| Course Name | Credits | Grade Levels | Prerequisites |
|---|---------|--------------|---------------|
| Money Matters | .5 | 9-12 | None |
| Principles of Business, Marketing & Finance | .5 | 9-12 | None |
| Accounting I | 1 | 10-12 | None |
| Accounting II | 1 | 11-12 | Accounting I |

Money Matters

PEIMS: 130163200

Grade Placement: 10-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

Student will learn how to make sound financial decisions through practice in credit, checking, savings and various other personal finance topics. Students will set financial goals and learn to achieve them through investment planning, risk management, and retirement planning.

Principles of Business, Marketing and Finance

PEIMS: 13011200

Grade Placement: 9-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

This is an introductory course where students will gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles.

Accounting I

PEIMS: 13016600

Grade Placement: 10-12

Prerequisite: None

Credit: 1

Site: BHS, SHS, CTHS

Accounting I introduces general accounting concepts, principles and procedures; emphasizes the need for financial records; provides the fundamental equation and its application to accounting procedures, including the basic steps of the accounting cycle, special journals and ledgers, work sheets, adjusting and closing entries, special problems in the purchase and sale of merchandise, notes and interest, depreciation, accruals and prepaid items, payroll records, and personal income taxes. Develops the skills, knowledge and attitudes necessary for individuals to conduct personal business or to further an education in the field of accounting. Students complete practice sets or simulations, use calculators and process data electronically.

Accounting II

PEIMS: 13016700

Grade Placement: 11-12

Prerequisite: Accounting I

Credit: 1

Site: BHS, SHS

Accounting II provides for review and further development of fundamental accounting principles with extensive use of technology. Examines characteristics of corporate organization and ownership, including investments and distribution of earnings; includes adjustments to bad debts, depreciation, depletion of fixed assets, adjusted and accrued income, various methods of inventory control, preparation of business budgets and notes receivable and payable; provides experience in initiating and maintaining an accounting system and in analyzing, interpreting, and synthesizing managerial problems using accounting information as a tool.



Do you like to care for people or animals that are sick or help them stay well? Are you interested in diseases and how the body works? Can you pay attention to detail? If something puzzles you, do you seek more information? Are you conscientious and dependable? If “yes,” then Health Science might be the career path for you.

Career and Technical Education: Health Science

| Course Name | Credits | Grade Levels | Prerequisites |
|--|---------|--------------|---|
| Principles of Health Science | 1 | 9-12 | None |
| Medical Terminology | .5 | 9-12 | None |
| Anatomy and Physiology | 1 | 11-12 | Biology and Chemistry |
| Medical Microbiology | .5 | 11-12 | Biology and Chemistry |
| Pathophysiology | .5 | 11-12 | Biology and Chemistry |
| Health Science—Clinical Rotation | 2 | 11-12 | Principles of Health Science, Transportation <i>and</i> CTE Enrollment Request |
| Practicum in Health Science: <i>Options</i> 1-Certified Nurse Assistant/Phlebotomy 2-Emergency Medical Technician 3-Pharmacy Tech | 2 | 12 | Principles of Health Science, CTE Enrollment Request, <i>and</i> Transportation |

Principles of Health Science

PEIMS: 13020200

Grade Placement: 9-12

Prerequisite: None

Credit: 1

Site: BHS, SHS, CTHS

This course is designed to develop health care specific knowledge and skills in effective communications, ethical and legal responsibilities, client care, safety, first aid, and CPR. This course prepares the student for the transition to clinical or work based experiences in the health care field. Full year completion satisfies the state graduation credit for health. The CPR card will cost the student approximately \$4.00.

*** Students may fulfill their “Health” graduation requirement by taking Principles of Health Science. (it will count for 1/2 Health and 1/2 CTE)**

Medical Terminology

PEIMS: 13020300

Grade Placement: 9-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

Medical Terminology is a course designed to develop a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots and abbreviations. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances

the student’s ability to successfully secure employment or pursue advanced education in health care.

Anatomy and Physiology

PEIMS: 13020600

Grade Placement: 11-12

Prerequisite: Biology *and* Chemistry

Credit: 1

Site: BHS, SHS

Anatomy and Physiology is a comprehensive study of the structures and functions of the human body. This course will include dissections and the study of the organization of organs and organ systems. Students will utilize critical thinking skills and scientific problem solving as they conduct lab investigations.

Medical Microbiology

PEIMS: 13020700

Grade Placement: 11-12

Prerequisite: Biology *and* Chemistry

Credit: .5

Site: BHS, SHS

This science elective course is designed to explore medical based microbiology. The student will discover relationships between microbes and health maintenance as well as the role of microbes in infectious diseases.

Pathophysiology**PEIMS:** 13020800**Grade Placement:** 11-12**Prerequisite:** Biology and Chemistry**Credit:** .5**Site:** BHS, SHS

In this course students conduct laboratory investigations and fieldwork, use scientific methods, and make informed decisions using critical thinking and problem solving. Students study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of diseases. Students will differentiate between normal and abnormal physiology.

Health Science / Clinical Rotation**PEIMS:** 13020400**Grade Placement:** 11-12**Prerequisite:** Principles of Health Science, CTE
Enrollment Request; and Transportation**Credit:** 2**Site:** Hollenstein Career and Technology Center (HCTC)

This course is designed to continue the student's exploration in the health science field through hands on application to include problem solving, mathematical conversions and medical terminology communication. **Students will be required to show proof of a physical within the last year. Student shot records must be up to date including TB skin test.**

Practicum in Health Science**PEIMS:** 13020500**Grade Placement:** 12**Prerequisite:** Principles of Health Science, CTE
Enrollment Request; and Transportation**Credit:** 2**Site:** Hollenstein Career and Technology Center (HCTC)

Practicum is an occupationally specific course designed to provide knowledge and skills for certification or licensure in an allied health career. Students develop advanced clinical skills necessary for employment in the health care industry or continued education in health careers.

There are 3 Options for Practicum:

Option 1**Certified Nursing Assistant and Phlebotomy****PEIMS:** 13020500**Grade Placement:** 12**Prerequisite:** Principles of Health Science, CTE
Enrollment Request and Transportation**Credit:** 2**Site:** Hollenstein Career and Technology Center (HCTC)**Option 2****Emergency Medical Technician Dual Credit
(EMSP 1501 & 1160)****PEIMS:** 13020500**Grade Placement:** 12**Prerequisite:** Principles of Health Science, CTE
Enrollment Request, Transportation, and
TCC Admission Standards**Credit:** 2**Site:** Hollenstein Career and Technology Center (HCTC)**Option 3****Pharmacy Tech.****PEIMS:** 13020500**Grade Placement:** 12**Prerequisite:** Principles of Health Science, CTE
Enrollment Request and Transportation**Credit:** 2**Site:** Hollenstein Career and Technology Center (HCTC)



Do you like to cook? Know your way around a kitchen? Or want to learn? Do you enjoy serving others? Dream of opening a restaurant or bed and breakfast someday? If yes, then Hospitality and Tourism may be the right career path for you.

Career and Technical Education: Hospitality and Tourism

| Course Name | Credits | Grade Levels | Prerequisites |
|----------------------------|---------|--------------|--|
| Principles of Hospitality | .5 | 8-12 | None |
| Lifetime Nutrition | .5 | 10-12 | None |
| Culinary Arts | 2 | 11-12 | CTE Enrollment Request |
| Practicum in Culinary Arts | 2 | 12 | Culinary Arts <i>and</i> CTE Enrollment Request |
| Restaurant Management | 1 | 12 | Culinary Arts <i>and</i> Enrollment in Practicum Culinary Arts |

Principles of Hospitality

PEIMS: 13022200

Grade Placement: 8-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS, EWMS, HMS, PVMS, CVMS, WMS

The hospitality and culinary arts industry maintains the largest national employment base in the private sector. In this course students will explore the many career opportunities in this field and gain introductory knowledge and skills needed to function effectively in various positions in this multifaceted industry.

Lifetime Nutrition

PEIMS: 13024500

Grade Placement: 10-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

This course 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. Laboratory experiences will focus on the integration of nutrition and wellness knowledge with basic food preparation and management skills.

Culinary Arts

PEIMS: 13022600

Grade Placement: 11-12

Prerequisite: CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)

This course begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques.

Students can pursue a national sanitation certification, a Texas culinary specialist certification or any other appropriate industry certification.

Practicum in Culinary Arts

PEIMS: 13022700

Grade Placement: 12

Prerequisite: Culinary Arts *and* CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)
Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace.

Restaurant Management

PEIMS: 13022400

Grade Placement: 12

Prerequisite: Culinary Arts *and* Enrollment in Practicum in Culinary Arts

Credit: 1

Site: Hollenstein Career and Technology Center (HCTC)
This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service and operations. The course will provide insight into the operation of a well-run restaurant. *(May be taken with Practicum Culinary Arts; cannot be taken as a single class. Taking this class would mean that you are at the HCTC for 3 class periods a day.)*



Do you have good interpersonal skills? Do you enjoy helping others? Do you enjoy working with a variety of people? Do you believe it is important for individuals to provide services and support for others? Do you find the following things fun and interesting? Hair? Makeup? Nails? Facials? If “yes”, then Human Services might be the career path for you!

Career and Technical Education: Human Services

| Course Name | Credits | Grade Levels | Prerequisites |
|------------------------------|---------|--------------|--|
| Principles of Human Services | .5 | 8-12 | None |
| Cosmetology I | 3 | 11 | CTE Enrollment Request <u>and</u> Transportation |
| Cosmetology II | 3 | 12 | Cosmetology I <u>and</u> Transportation |

Principles of Human Services

PEIMS: 13024200

Grade Placement: 8-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS, EWMS, HMS, PVMS, CVMS, WMS

This course will enable students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, and personal care services.

Cosmetology I

PEIMS: 13025200

Grade Placement: 11

Prerequisite: CTE Enrollment Request, and Transportation

Credit: 3

Site: Hollenstein Career and Technology Center (HCTC)

This two-year program provides students with job specific training for entry-level employment in cosmetology careers. It includes sterilization and sanitation processes, shampooing and rinsing hair, application of conditioning creams and color rinses, application of scalp and hair treatments, shaping and thinning hair, hairstyling, permanent waving, hair coloring, manicuring, facial massage, facial makeup, entrepreneurship, safety, leadership and career opportunities. In the second year this program continues with information and skills necessary to prepare for the Texas State Licensing Board of Cosmetology exam.

Cosmetology II

PEIMS: 13025300

Grade Placement: 12

Prerequisite: Cosmetology I, and Transportation

Credit: 3

Site: Hollenstein Career and Technology Center (HCTC)



Do you enjoy working with technology? Do most people think of you as analytical? Do you like figuring out what makes things work? Do you enjoy learning new software and technology? If you answered these questions affirmatively, this pathway may be the best one for you.

Career and Technical Education: Information Technology

| Course Name | Credits | Grade Levels | Prerequisites |
|--------------------------------------|---------|--------------|------------------------|
| Principles of Information Technology | .5 | 9-12 | None |
| Web Technologies | 1 | 9-12 | None |
| Computer Technician | 2 | 11-12 | CTE Enrollment Request |
| Internetworking Technologies/CISCO | 2 | 11-12 | CTE Enrollment Request |

Principles of Information Technology

PEIMS: 13027200

Grade Placement: 9-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS,

In this course students will develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students will explore a variety of careers in IT, such as Computer Technician, Software Engineer and Network Administrator. Hands on labs will include building a computer, install Windows and networking computers. In addition students will learn interpersonal skills to prepare for a rapidly evolving workplace environment.

Web Technologies

PEIMS: 13027900

Grade Placement: 9-12

Prerequisite: None

Credit: 1

Site: BHS, SHS, CTHS

Through the study of web technologies (HTML, XML, CSS, etc.) and design, students learn to make informed decisions and apply the decisions to the field of information technology.

Computer Technician

PEIMS: 13027500

Grade Placement: 11-12

Prerequisite: CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)

In this course students will gain knowledge and skills in the area of computer technologies including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service and repair of computer-based technology systems. The course prepares students for the A+ certification.

Internetworking Technologies/CISCO

PEIMS: N1302803

Grade Placement: 11-12

Prerequisite: CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)

This course continues the study of internetworking technologies. This high-tech learning environment provides students the knowledge and experience to enter the workforce and/or further their education and training in the computer-networking field. Students work in a lab to prepare for the CISCO certification.



Is it important to you to help others? Do you enjoy working with a variety of people? Do you like to work with people to help solve problems? Do you think protecting individuals and their possessions is important? If you answered "yes," to many of these questions you might consider Law and Public Safety as your career path.

Career and Technical Education: Law, Public Safety, Corrections, and Security

| Course Name | Credits | Grade Levels | Prerequisites |
|---|---------|--------------|---|
| Principles of Law, Public Safety, Corrections, and Security | .5 | 9-12 | None |
| Forensic Science (take w/Law Enforcement I) | 1 | 11-12 | Biology, Chemistry, Enrollment in Law Enforcement I <u>and</u> CTE Enrollment Request |
| Forensic Science-Accelerated | 1 | 11-12 | Biology, Chemistry, ability to have two consecutive class periods <u>and</u> CTE Enrollment Request |
| Law Enforcement I | 2 | 11-12 | CTE Enrollment Request |
| Law Enforcement II | 2 | 12 | Law Enforcement I <u>and</u> CTE Enrollment Request |
| Court Systems and Practices | 2 | 12 | Law Enforcement I <u>and</u> CTE Enrollment Request |
| 911 Dispatch | 2 | 12 | CTE Enrollment Request |

Principles of Law, Public Safety, Corrections, and Security

PEIMS: 13029200

Grade Placement: 9-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

The students will be introduced to professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills and knowledge, such as ethics, origins of law, constitutionality, jurisdiction, courtroom procedures, and responsibilities of first responders, necessary for careers in law enforcement, fire service, security, and corrections.

Forensic Science (Taken w/Law Enforcement I)

PEIMS: 13029500

Grade Placement: 11-12

Prerequisite: Biology, Chemistry, Enrollment in Law Enforcement I or other class held at HCTC and CTE Enrollment Request

Credit: 1

Site: Hollenstein Career and Technology Center (HCTC)

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death,

homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. *(Only students that will be at the HCTC for 2 periods may take this course.)*

Forensic Science-Accelerated

PEIMS: 13029500

Grade Placement: 11-12

Prerequisite: Biology, Chemistry and CTE Enrollment Request

Credit: 1 (two consecutive class periods)

Site: Hollenstein Career and Technology Center (HCTC)

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes.

***This course meets for 2 periods a day. Students will complete the year long course in one semester.**

Students may fulfill their 4th science requirement by taking Forensic Science (Can only count as a 4th year science or a CTE credit. Cannot count as both)

Law Enforcement I**PEIMS:** 13029300**Grade Placement:** 11-12**Prerequisite:** CTE Enrollment Request**Credit:** 2**Site:** Hollenstein Career and Technology Center (HCTC)

This course is an overview of the history, organization, and functions of local, state and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and classification and elements of crime. *(Course may be taken with Forensic Science)*

Law Enforcement II**PEIMS:** 13029400**Grade Placement:** 12**Prerequisite:** Law Enforcement I and
CTE Enrollment Request**Credit:** 2**Site:** Hollenstein Career and Technology Center (HCTC)

This course provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony.

Court Systems and Practices**PEIMS:** 13029600**Grade Placement:** 12**Prerequisite:** Law Enforcement I and
CTE Enrollment Request**Credit:** 2**Site:** Hollenstein Career and Technology Center (HCTC)

This course 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.

Practicum-911 Dispatch**PEIMS:** 13030100**Grade Placement:** 12**Prerequisite:** CTE Enrollment Request**Credit:** 2**Site:** Hollenstein Career and Technology Center (HCTC)

The students will be provided the knowledge and skills required for employment in the emergency 911 dispatch field. Students will develop knowledge about many different topics, including the philosophy of law enforcement and firefighting, law, management of stress, handling emergency situations, and listening and speaking skills.



Do you like to work with your hands? Do you like to work with people and things? Do you enjoy problem solving and creative thinking? Are you curious about how things work? Do you like to repair or make things? Can you apply math and science concepts? If “yes,” this may be the career pathway for you.

Career and Technical Education: Manufacturing

| Course Name | Credits | Grade Levels | Prerequisites |
|-----------------------------|---------|--------------|---|
| Principles of Manufacturing | .5 | 9-12 | None |
| Manufacturing Engineering | 2 | 11-12 | Concepts of Engineering <u>and</u> CTE Enrollment Request |
| Welding | 2 | 11-12 | CTE Enrollment Request |
| Advanced Welding | 2 | 12 | Welding <u>and</u> CTE Enrollment Request |

Principles of Manufacturing

PEIMS: 13032200

Grade Placement: 9-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

The students will gain introductory knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. The study of manufacturing technology allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in a manufacturing setting.

Manufacturing Engineering

PEIMS: 13032900

Grade Placement: 11-12

Prerequisite: Concepts of Engineering and CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)

The students will gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. Knowledge and skills in the proper application of Manufacturing Engineering, the design of technology, efficient manufacturing technology, and the assessment of the effects of production technology prepare students for success in the global economy.

Welding

PEIMS: 13032300

Grade Placement: 11-12

Prerequisite: CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)

Welding provides the knowledge, skills, and technologies required for employment in metal technology systems. Students develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills.

Advanced Welding

PEIMS: 13032400

Grade Placement: 12

Prerequisite: Welding and CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)

Advanced Welding builds on knowledge and skills developed in Welding. Students will develop advanced welding concepts and skills as they relate to personal and career development. This course supports integration of academic and technical knowledge and skills.



Do you enjoy being a leader, organizing people, planning activities and talking with people? Do you enjoy selling an idea or product? Do you like to work with numbers or ideas? Do you like to make new ideas work? Do you often show initiative? If you answered “yes,” to these questions, this may be the career path for you!

Career and Technical Education: Marketing

| Course Name | Credits | Grade Levels | Prerequisites |
|--|---------|--------------|---------------|
| Principles of Business, Marketing and Finance | .5 | 9-12 | None |
| Advertising and Sales | .5 | 9-12 | None |
| Fashion Marketing | .5 | 9-12 | None |
| Sports & Entertainment | .5 | 9-12 | None |
| Entrepreneurship | 1 | 10-12 | None |

Principles of Business, Marketing and Finance

PEIMS: 13011200

Grade Placement: 9-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

This is an introductory course where students will gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles.

Advertising and Sales

PEIMS: 13034200

Grade Placement: 9-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

In Advertising and Sales the students will discover the importance of marketing as well as the functions of marketing and the relationship of business and society. Students will study marketing research to determine effective selling techniques and integrate research results into advertising campaigns consisting of various advertising media. Through the use of technology, students will develop and present advertising campaigns.

Fashion Marketing

PEIMS: 13034300

Grade Placement: 9-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

This course is designed to provide students with the knowledge of functions in the fashion industry. Students will gain a working knowledge of promotion, textiles,

merchandising, selling, visual merchandising, and career opportunities.

Sports and Entertainment

PEIMS: 13034600

Grade Placement: 9-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

This course will cover basic marketing, target marketing, and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans.

Entrepreneurship

PEIMS: 13034400

Grade Placement: 10-12

Prerequisite: None

Credit: 1

Site: BHS, SHS, CTHS

Students in Entrepreneurship will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, using research, and promoting the business.



Do you like math and science classes? Do most people see you as analytical? Do you like to figure out what makes things work? Do you like to use your hands to build things or work with materials? Are you interested in a career in the sciences? If the answer to these questions is “yes,” this may be the career pathway for you!

Career and Technical Education: Science, Technology, Engineering and Mathematics (STEM)

| Course Name | Credits | Grade Levels | Prerequisites |
|--|---------|--------------|---|
| Concepts of Engineering and Technology | .5 | 8-12 | None |
| Engineering Design and Presentation | 1 | 10-12 | Concepts of Engineering |
| Advanced Engineering-Aeroscience | 2 | 11-12 | Concepts of Engineering <u>and</u> CTE Enrollment Request |
| Manufacturing Engineering | 2 | 11-12 | Concepts of Engineering <u>and</u> CTE Enrollment Request |
| Robotics and Automation | 2 | 11-12 | Concepts of Engineering <u>and</u> CTE Enrollment Request |
| Electronics | 2 | 11-12 | CTE Enrollment Request |
| Advanced Electronics | 2 | 12 | Electronics <u>and</u> CTE Enrollment Request |

Concepts of Engineering and Technology

PEIMS: 13036200

Grade Placement: 8-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS, CMS, EWMS, HMS, PVMS, WMS

This course provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will use a variety of computer hardware and software application to complete assignments and projects.

Engineering Design and Presentation

PEIMS: 130366500

Grade Placement: 10-12

Prerequisite: Concepts of Engineering

Credit: 1

Site: BHS, SHS, CTHS

Using 3-D computer modeling software, students learn the design process, and they solve design problems as they develop, analyze, and create product models.

Advanced Engineering-Aeroscience

PEIMS: 13036600

Grade Placement: 11-12

Prerequisite: Concepts of Engineering and CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)

Students will experience hands-on research through design and development projects within the engineering industries. During this class students will design and develop remotely operated vehicles and unmanned aerial vehicles for research and industrial applications.

Manufacturing Engineering

PEIMS: 13032900

Grade Placement: 11-12

Prerequisite: Engineering Design and Presentation and CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)

The students will gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. Knowledge and skills in the proper application of Manufacturing Engineering, the design of technology, efficient manufacturing technology, and the assessment of the effects of production technology prepare students for success in the global economy.

Robotics and Automation**PEIMS:** 13037000**Grade Placement:** 11-12**Prerequisite:** Concepts of Engineering *and* CTE

Enrollment Request

Credit: 2**Site:** Hollenstein Career and Technology Center (HCTC)

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

Electronics**PEIMS:** 13036800**Grade Placement:** 11-12**Prerequisite:** CTE Enrollment Request**Credit:** 2**Site:** Hollenstein Career and Technology Center (HCTC)

This course will demonstrate knowledge and applications of circuits, electronic measurement, and electronic implementation. Through the use of the design process, students will transfer academic skills to component designs in a project-based environment. Students will use a variety of computer hardware and software applications to complete assignments and projects.

Advanced Electronics (Electronics II)**PEIMS:** 13036900**Grade Placement:** 12**Prerequisite:** Electronics *and* CTE Enrollment

Request

Credit: 2**Site:** Hollenstein Career and Technology Center (HCTC)

This course will demonstrate knowledge and applications of advanced circuits, electronic measurement, and electronic implementation used in the electronics and computer industries. Through the use of the design process, students will transfer academic skills to component designs in a project-based environment. Students will use a variety of computer hardware and software application to complete assignments and projects.



Do you like working with your hands? Do you like to manage and schedule people and activities? Are you curious about how things work? Do you like to repair or make things? Do you enjoy working on cars, trucks, airplanes, engines or machines? Can you see a problem through to its solution? If “yes,” this may be your career path!

Career and Technical Education: Transportation, Distribution and Logistics

| Course Name | Credits | Grade Levels | Prerequisites |
|--|---------|--------------|--|
| Principles of Transportation, Distribution, and Logistics | .5 | 9-12 | None |
| Automotive Technology | 2 | 11-12 | CTE Enrollment Request |
| Advanced Automotive Technology | 2 | 12 | Automotive Technology <u>and</u> CTE Enrollment Request |
| Advanced Aircraft Technology/Aircraft Mechanic Dual Credit <i><u>First year students</u></i> (AERM 1310 & 1314-Fall) (AERM 1303 & 1315-Spring) | 3 | 11-12 | TCC Admission Standards <u>and</u> Must provide own transportation to Tarrant County College Northwest Campus |
| Practicum TDL-Aircraft Technology/Aircraft Mechanic Dual Credit <i><u>Second year students</u></i> (AERM -Fall) (AERM -Spring) | 3 | 12 | TCC Admission Standards <u>and</u> Must provide own transportation to Tarrant County College Northwest Campus |

Principles of Transportation, Distribution, and Logistics

PEIMS: 13039200

Grade Placement: 9-12

Prerequisite: None

Credit: .5

Site: BHS, SHS, CTHS

In this course students will understand the interaction between various vehicle systems, the logistics used to move goods and services to consumers, and the components of transportation infrastructure. Performance requirements will include academic and technical skills.

Automotive Technology

PEIMS: 13039600

Grade Placement: 11-12

Prerequisite: CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)
Automotive Technology includes knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. Students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems.

Advanced Automotive Technology

PEIMS: 13039700

Grade Placement: 12

Prerequisite: Automotive Technology and CTE Enrollment Request

Credit: 2

Site: Hollenstein Career and Technology Center (HCTC)
Advanced Automotive Technology includes advanced knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. Students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems.

Advanced Aircraft Technology Dual Credit

First year students in the Aircraft program will take the following courses.

(AERM 1310 & 1314-Fall)

(AERM 1303 & 1315-Spring)

PEIMS: 13039500

Grade Placement: 11-12

Prerequisite: TCC Admission Standards and CTE

Must provide own transportation to Tarrant County College Northwest Campus

Credit: 3

Site: TCC Northwest

Advanced Aircraft Technology is designed to provide job-specific training for entry-level employment in the highly technical career field of aircraft mechanics. Instruction includes aircraft electrical and electronic systems, service and repair of hydraulic systems, engines, airframes, and

rigging. This is a dual credit course offered at the Tarrant County College Northwest campus. Successful completion of both semesters will result in the awarding of 12 hours of college credit.

Students must register and pay for the courses through Tarrant County College, Northwest Campus.

Practicum in Transportation Distribution, and Logistics - Aircraft Technology Dual Credit

Second year students in the Aircraft program will take the following courses.

(AERM -Fall)

(AERM -Spring)

PEIMS: 13040400

Grade Placement: 12

Prerequisite: -TCC Admission Standards and CTE

Must provide own transportation to

Tarrant County College Northwest

Campus

Credit: 3

Site: TCC Northwest

Communications

| Course Name | Credits | Grade Levels | Prerequisites |
|------------------------------------|-----------|--------------|------------------|
| Professional Communications | .5 | 8-12 | None |
| Debate I | 1 | 9-12 | None |
| Debate II | 1 | 10-12 | Debate I |
| Debate III | 1 | 11-12 | Debate II |
| Oral Interpretation I | 1 | 10-12 | None |

Professional Communications

PEIMS: 13009900

Grade Placement: 8-12

Prerequisite: None

Credit: .5

Professional Communications blends written, oral, and graphic communication in a career-based environment. 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.

***Students planning to continue in the AVID program should not register for the Professional Communications course. Students in AVID II will receive their Professional Communications credit at the end of the second semester upon successful completion of the course.**

Debate I

PEIMS: 03240600

Grade Placement: 9-12

Prerequisite: None

Credit: 1

This course concentrates on argumentation and debate strategies. The current national topic and various other social issues will be debated. Organization, thinking and performance under pressure are skills that will be developed. The accrued abilities of reading, writing, listening, speaking and analyzing may be tested through competitive debate. Students should have strong reading and writing skills. Participation in individual speaking and debate contests is strongly encouraged.

Debate II

PEIMS: 03240700

Grade Placement: 10-12

Prerequisite: Debate I

Credit: 1

This course develops further the topics covered in Debate I. Students will study specific formats and forums for debate, the processes of logic and critical thinking. Competitive debate will provide practice of written and oral argument, listening, speaking and analyzing. Participation in individual speaking and debate contests is required.

Debate III

PEIMS: 03240800

Grade Placement: 11-12

Prerequisite: Debate II

Credit: 1

This course continues the development of topics studied in Debate II. Students will have the opportunity to specialize in a specific debate format, to continue studying the processes of logic and critical thinking, and to explore a variety of popular philosophies. Participation in individual speaking and debate contests is required.

Oral Interpretation I

PEIMS: 03240200

Grade Placement: 9-12

Prerequisite: Teacher Approval/Audition

Credit: 1

In this course, students study the oral reading or performance of a literary text as a form of communication art. Students select, research, analyze, adapt, interpret, and perform literary texts and focus on the intellectual, emotional, sensory, and aesthetic levels of texts to attempt to capture the entirety of the author's work. Individual or group performances of literature will be presented and evaluated. Competitive events require time outside of school

Fine Arts: Art

| Course Name | Credits | Grade Levels | Prerequisites |
|--|---------|--------------|---|
| Art I | 1 | 8-12 | None |
| Art I Pre-AP | 1 | 9-11 | Teacher Recommendation |
| Art II Drawing | 1 | 9-12 | Successful Completion of Art I |
| Art II Drawing Pre-AP | 1 | 9-12 | Successful Completion of Art I Pre-AP or Teacher Recommendation |
| Art II Photography | 1 | 9-12 | Successful Completion of Art I |
| Art II Sculpture | 1 | 9-12 | Successful Completion of Art I |
| Art III Drawing Pre-AP | 1 | 10-12 | Successful completion of Pre-AP Art I and Pre-AP Art II, Portfolio, and/or Teacher Recommendation |
| Art III Graphic Design Pre-AP | 1 | 10-12 | Art II Pre-AP or Teacher Recommendation |
| Art III Photography Pre-AP | 1 | 10-12 | Successful Completion of Art II Photography, Portfolio, and/or Teacher Recommendation |
| Art III Sculpture Pre-AP | 1 | 10-12 | Successful Completion of Art II Sculpture, Portfolio, and/or Teacher Recommendation |
| Art IV Studio Art-Drawing Portfolio AP | 1 | 11-12 | Successful Completion of Art III Drawing Pre-AP and/or Teacher Recommendation |
| Art IV 2-D Design Portfolio AP | 1 | 11-12 | Successful Completion of Art III Drawing Pre-AP and/or Teacher Recommendation |

Art I

PEIMS: 03500100

Grade Placement: 8-12

Prerequisite: None

Credit: 1

The first semester of Art I will introduce the student to drawing and color study using the elements and principles of design. Drawing will consist of sequential learning steps with emphasis on developing value skills. Color studies will include but not be restricted to using water base paint. The second semester, which builds on first semester skills, will include the study of painting, printmaking, sculpture, and ceramics. Printmaking will involve relief printing; sculpture will include additive construction; and ceramics will consist of hand building methods of pinch, coil, and slab. During both semesters art past and contemporary masterpieces will be part of most units.

**Art I is basic to all other art courses. Therefore, all students wishing to take Art II or higher level courses must have successfully completed Art I.*

Art I Pre-AP

PEIMS: 03500100Q

Grade Placement: 9-11

Prerequisite: Teacher Recommendation

Credit: 1

The Art I Pre-AP curriculum will follow the College Board directives of the Advanced Placement General and Drawing Portfolio requirements. Art I Pre-AP provides learning opportunities for 9th and 10th grade students beyond those available in the regular Art I class by extending the state essential knowledge and skills through drawing and color study (first semester). Students also learn what will be expected of them for the AP Portfolio Examination. The second semester focuses on painting, printmaking, sculpture, and ceramics.

Art II Drawing

PEIMS: 03500500

Grade Placement: 9-12

Prerequisite: Successful Completion of Art I

Credit: 1

The first semester of Art II Drawing is designed to continue a sequential study of drawing and colored media. Formal compositions will be completed in realistic, abstract, and non-objective styles. Art history/appreciation

will be part of each study. Second semester, which builds on first semester skills, will include painting, printmaking techniques, and three-dimensional studies. Students will build upon skills learned in Art 1 in sculpture and ceramics. Art history/appreciation also will be linked to each unit.

Art II Drawing Pre-AP

PEIMS: 03500500Q

Grade Placement: 9-12

Prerequisite: Successful Completion of Art 1 Pre-AP or Teacher Recommendation

Credit: 1

The Art II Drawing Pre-AP curriculum is designed to spiral and expand the Art I or Art I Pre-AP curriculum. The Art II Pre-AP course work follows College Board outlines for Advanced Placement General and Drawing Portfolios. Students will apply the elements and principles of art in all compositions to a greater proficiency than other Art II students as well as connect art history and criticism to those productions. Students will develop skills in drawing and color theory application beyond the average Art II student as they continue reviewing requirements of the AP examination. Second semester extends learning through higher expectations in painting, printmaking, sculpture, and ceramics. **Art II Pre-AP is an honors credit class recommended for students seriously looking at a visual art career.**

Art II Photography

PEIMS: 03501200

Grade Placement: 9-12

Prerequisite: Successful Completion of Art I

Credit: 1

In this course students will strengthen art skills through the study of design and composition. The focus of this course is photography, both film and digital. Students will learn to compose photographs in an artistic manner, develop film and print photographs. Artistic awareness, critical thinking, imaginative expression, appreciation of art culture and aesthetic judgment are emphasized.

Art II Sculpture

PEIMS: 03501000

Grade Placement: 9-12

Prerequisite: Successful Completion of Art I

Credit: 1

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

Art III Drawing Pre-AP

PEIMS: 03501300Q

Grade Placement: 10-12

Prerequisite: Successful completion of Pre-AP Art I and Pre-AP Art II, Portfolio, and/or Teacher Recommendation

Credit: 1

Art III Pre-AP is an advanced studio course for the college-bound and career-oriented student. It is designed for talented art students who wish to pursue college level studies while in high school. Emphasis will be on advanced drawing and painting styles, 2-D and 3-D design, and color study. Computer manipulated works are incorporated into the curriculum. Students will compile portfolios that fulfill current College Board requirements.

Art III Graphic Design Pre-AP

PEIMS: 03502100Q

Grade Placement: 10-12

Prerequisite: Art II Pre-AP or Teacher Recommendation

Credit: 1

This is a course to begin addressing a very broad interpretation of two-dimensional design issues. This course is intended to prepare students to develop specific design skills that could be used to help them develop as AP Design Portfolio. Students are asked to demonstrate proficiency in two-dimensional design using a variety of art forms. These could include, but are not limited to, graphic design typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking.

Art III Photography Pre-AP

PEIMS: 03502200Q

Grade Placement: 10-12

Prerequisite: Successful Completion of Art II Photography

Credit: 1

In this course students will further develop art skills through the study of design and composition in photography. Artistic awareness, critical thinking, imaginative expression, appreciation of art culture and aesthetic judgment are emphasized.

Art III Sculpture Pre-AP

PEIMS: 03501900Q

Grade Placement: 10-12

Prerequisite: Successful Completion of Art II Sculpture

Credit: 1

This third-year course is an in-depth study of sculpture and will challenge the students with problems on an advanced level. Students will develop a personal style and demonstrate effective use of selected sculptural media in solving special three-dimensional problems and assignments.

Art IV Studio Art-Drawing Portfolio AP

PEIMS: A3500300P

Grade Placement: 11-12

Prerequisite: Successful completion of Pre-AP Art III
Drawing and/or Teacher Approval

Credit: 1 and College Credit if Score of Portfolio Meets
Minimum Requirements

In this course students will address a very broad interpretation of drawing issues and media. Students will explore drawing issues such as light and shade, line quality, rendering of form, composition, surface manipulation, and illusion of depth through a variety of two-dimensional media. **All students are expected to submit a portfolio for Advanced Placement review.**

2-D Design Portfolio AP

PEIMS: A3500400P

Grade Placement: 11-12

Prerequisite: Successful completion of Pre-AP Art III
Drawing and/or Teacher Approval

Credit: 1

In this course students will address two-dimensional design issues. Design involves purposeful decision making about how to use the elements and principles of art in an integrative way. Students are expected to demonstrate mastery of 2-D design through any two-dimensional medium or process, including, but not limited to, graphic design, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking. **All students are expected to submit a portfolio for Advanced Placement review.**

Fine Arts: Dance

| Course Name | Credits | Grade Levels | Prerequisites |
|----------------------------|---------|--------------|------------------------------|
| Dance I/Aerobic Activities | 2 | 9-12 | None |
| Dance II | 1 | 10-12 | Dance I and Teacher Approval |
| Dance/Drill Team I-IV | 1 | 9-12 | Competitive Tryout |

Dance I/Aerobic Activities

PEIMS: 03830100

PES00054

Grade Placement: 9-12

Prerequisite: None

Credit: 2

Dance I will explore various styles of dance including ballet, lyrical, jazz, hip hop, and others. In addition to learning a variety of routines and combinations, students will cover the fundamentals, technique, vocabulary, and history of each dance style. Creativity and expression will be encouraged through student choreography, both individually and as a group. The class will consist of both physical and written activities.

Beginning in the 2011-2012 school year, the Texas Essential Knowledge and Skills for aerobic activities is embedded in the Dance I course to allow students to earn physical education credit upon successful completion of each semester. A grade of "P" (Passing) will be recorded on a student's transcript for Aerobic Activities.

★ *Awarding of the aerobic activities credit is dependent upon teacher certification in both physical education and fine arts and is subject to change.*

Dance II

PEIMS: 03830200

PES00054

Grade Placement: 10-12

Prerequisite: Dance I and Teacher Approval

Credit: 1

Dance II refines skills acquired in Dance I, while introducing students to new and challenging elements and skills. Dance II is an intermediate to advanced level dance class. Students have prior knowledge of dance elements, theory, technique and terminology.

Dance/Drill Team

PEIMS: 03830100

03830200

03830300

03830400

Grade Placement: 9-12

Prerequisite: Competitive Tryout

Credit: 1 each

Dance Team is a precision dance/drill team that performs at athletic events and other school and community functions. Dance Team specializes in jazz, high kick, precision pom, hip hop, lyrical, and modern dance styles. The Dance Team travels and competes at the regional, state, and national level. Membership is determined through auditions in the spring.

Students in dance/drill team also receive .5 credit PE Substitution Drill Team in the fall up to 1 credit for participation in extracurricular (after school) activity.

**FOR MORE
INFORMATION REGARDING
PHYSICAL EDUCATION
SUBSTITUTIONS AND CREDITS
PLEASE REFER TO
PAGES 9-10 OF THIS GUIDE.**

Fine Arts: Music (Choral /Instrumental)

| Course Name | Credits | Grade Levels | Prerequisites |
|----------------------------|---------------|--------------|---|
| Choir I | 1 | 9-12 | None |
| Choir II-IV | 1 each | 10-12 | Audition Only |
| Vocal Ensemble I-IV | 1 each | 9-12 | Concurrent Enrollment in a Choir Course, Audition and Director Approval |
| Band I-IV | 1 each | 9-12 | Previous Year's Band Experience |
| Jazz Ensemble I-IV | 1 each | 9-12 | Concurrent Enrollment in a Band Course, Audition, or Director Approval |
| Music Theory AP | 1 | 11-12 | Strong Background in Music Theory Concurrent Enrollment in Band, Choir or Outside Instrumental Music Classes |

Choral Music

Choir I

PEIMS: 03150900

Grade Placement: 9-12

Prerequisite: None

Credit: 1

A training choir for students with little to no choral experience. Basics of choral singing, basic theory and music fundamentals will be studied. Students will be encouraged to participate in auditions for a performing choir at the end of the course

Choir II

PEIMS: 03151000

Choir III

PEIMS: 03151100

Choir IV

PEIMS: 03151200

Grade Placement: 10-12

Prerequisite: Audition Only

Credit: 1 each

These choir classes emphasize choral singing, music theory, listening and performance. Repertoire includes: traditional choral music and music of all style periods and genres. 9th, 10th, 11th and 12th grade students will comprise various classes according to achievement levels checked by audition. The classes may be composed of all males or all females, or they may be mixed according to number and distribution of voices available. The performing groups include Treble Choir, Men's Choir, Select Women's Choir, and Varsity Mixed Choir. These groups may participate in UIL competition. Concert performances are required.

Vocal Ensemble I

PEIMS: 03152100

Vocal Ensemble II

PEIMS: 03152200

Vocal Ensemble III

PEIMS: 03152300

Vocal Ensemble IV

PEIMS: 03152400

Grade Placement: 9-12

Prerequisite: Concurrent Enrollment in a Choir Course, Audition and Director Approval

Credit: 1 each

These choir classes emphasize choral singing, music theory, listening and performance. Repertoire includes: traditional choral music and music of all style periods and genres. 9th, 10th, 11th and 12th grade students will comprise various classes according to achievement levels checked by audition. The classes may be composed of all males or all females, or they may be mixed according to number and distribution of voices available. The performing groups include Treble Choir, Men's Choir, Select Women's Choir, and Varsity Mixed Choir. These groups may participate in UIL competition. Concert performances are required.

Instrumental Music

Band I

PEIMS: 03150100

Band II

PEIMS: 03150200

Band III

PEIMS: 03150300

Band IV

PEIMS: 03150400

Grade Placement: 9-12

Prerequisite: Previous Year's Band Experience

Credit: 1 each

Students in band have the opportunity to further their fundamental skills on an instrument and enhance their musical understanding, while also preparing specific musical programs throughout the year. Enrollment in band also promotes: mental and physical discipline, good citizenship through group endeavor, cultural growth, and an enhanced ability to form musical value judgments through critical listening. Students will participate in both the marching band **AND** a concert band ensemble as assigned by the Director of Bands. Students enrolling in band should have been enrolled in band at their respective school in the previous year. Attendance is mandatory at all rehearsals and performances.

Students in marching band also receive .5 credit PE Substitution Marching Band in the fall up to 1 credit for participation in extracurricular (after school) activity.

Jazz Ensemble I

PEIMS: 03151300

Jazz Ensemble II

PEIMS: 03151400

Jazz Ensemble III

PEIMS: 03151500

Jazz Ensemble IV

PEIMS: 03151600

Grade Placement: 9-12

Prerequisite: Concurrent Enrollment in a Band Course or Teacher Approval

Credit: 1 each

Students in Jazz Ensemble perform a variety of jazz literature including traditional swing, Latin, and rock/funk styles. Students will be exposed to and perform elementary improvisation both individually and in the ensemble. The Jazz Ensemble gives several concerts, performs in competition, and plays civic concerts throughout the year. Attendance is required at all rehearsals and performances. Membership requires a high degree of musical skill and personal discipline. Students performing on a traditional instrument (Saxophone, Trumpet, Trombone, Percussion) must be enrolled in a Band class *in addition* to the Jazz Ensemble course.

Students performing non-traditional instruments (Piano, Guitar, Bass) must receive director approval before enrolling.

Music Theory AP

PEIMS: A3150200

Grade Placement: 11-12

Prerequisite: Strong Background in Music Theory
Concurrent Enrollment in Band, Choir or
Outside Instrumental Music Classes.

Credit: 1

Students will learn and understand the essential components and function of written music. The content of this course comprises knowledge of the basic musical elements, principles of melody writing, functions of harmony, exposure to different musical textures, and how each of these aspects are connected to form what we know as music. This course is designed to prepare students for the music theory curriculum of an undergraduate music degree, while also giving students the opportunity for producing, understanding, and enhancing their own musical compositions. Students should have a basic knowledge of reading music and have acquired basic performance skills in voice or an instrument prior to enrolling in the course. **Students who take Music Theory AP are expected to take the Advanced Placement Exam.**

**FOR MORE
INFORMATION REGARDING
PHYSICAL EDUCATION
SUBSTITUTIONS AND CREDITS
PLEASE REFER TO
PAGES 9-10 OF THIS GUIDE.**

Fine Arts: Theatre

| Course Name | Credits | Grade Levels | Prerequisites |
|---|---------|--------------|---|
| Theatre Arts I | 1 | 9-12 | None |
| Theatre Arts II | 1 | 10-12 | Theatre Arts I and Teacher Approval |
| Theatre Arts III-IV | 1 each | 11-12 | Theatre Arts II and Teacher Approval |
| Technical Theatre I | 1 | 9-12 | None |
| Technical Theatre II-IV | 1 each | 10-12 | Previous Technical Theatre Class and Teacher Approval |
| Theatre Production I-III | 1 each | 9-12 | Teacher Approval |
| Theatre Production IV (Musical Theatre) | 1 | 9-12 | Theatre Arts I or Choir and Teacher Approval |

Theatre Arts I

PEIMS: 03250100

Grade Placement: 9-12

Prerequisite: None

Credit: 1

This course is an introductory class for beginning theatre students. The course offers the student a chance to explore the world of theatre through units in theatre history, voice and diction, pantomime, improvisation, and play structure. This student is given opportunities to analyze scripts, write original monologues, perform in duet scenes, and learn basic characterization techniques and become familiar with important stage terminology.

Students who were in Theatre in 8th grade and who have auditioned/interviewed will be placed in Theatre Arts I Select upon teacher approval.

Theatre Arts II

PEIMS: 03250200

Grade Placement: 10-12

Prerequisite: Theatre Arts I and Teacher Approval

Credit: 1

This intermediate course extends on the student's training in Theatre I by offering more advanced studies in script analysis, acting theories, play writing, and directing skills. The class also explores advanced characterization in both classical and contemporary styles.

Theatre Arts III

PEIMS: 03250300

Theatre Arts IV

PEIMS: 03250400

Grade Placement: 11-12

Prerequisite: Theatre Arts II and Teacher Approval

Credit: 1

This class is offered to the dedicated theatre student who wishes to take his/her acting skills to the next level. The course is designed for those advanced students who are seeking to work in a university theatre program, community theatre, or even a career in theatre, Radio/ TV or Film. These students are offered an opportunity to utilize the acting theories used in many colleges and universities, a chance to perform their own productions, and a unit designed to improve college audition skills and portfolios.

Technical Theatre I

PEIMS: 03250500

Grade Placement: 10-12

Prerequisite: Theatre Arts I

Credit: 1

Students in this elective course will focus on concepts and skills in theatre production. Topics to be covered include properties, lighting, costumes, makeup, sound, and stage craft skills. Aesthetic growth through appreciation of theatrical events is also stressed. Students will construct sets and handle the technical aspects of dramatic and musical performance at the school. Attendance at some evening events is required.

Technical Theatre II**PEIMS:** 03250600**Technical Theatre III****PEIMS:** 03251100**Technical Theatre IV****PEIMS:** 03251200**Grade Placement:** 10-12**Prerequisite:** Previous Technical Theatre Class and
Teacher Approval**Credit:** 1

This course is for those theatre students wishing to work behind the scenes of a production. "Hands on" training is offered in areas of set design and construction, set painting, stage lighting and design, stage make-up techniques, prop construction, house management, publicity design, set design, and stage management. This class is responsible for the technical elements that go into all of the Boswell theatre productions as well as those of other performance groups on campus as well as the community.

Theatre Production I**PEIMS:** 03250700**Theatre Production II****PEIMS:** 03250800**Theatre Production III****PEIMS:** 03250900**Grade Placement:** 9-12**Prerequisite:** Teacher Approval**Credit:** 1

Students may earn credit for Theater Production by participating in theatrical productions, such as but not limited to; the fall play, the annual musical, and UIL-OAP competition. Students may also get credit by special arrangement with the teacher. Theatre Production is after school ONLY; it is not offered as a class during the school day. Students must provide their own transportation and after school and evening rehearsals are required. Participation in public performance is required!

Theatre Production IV (Musical Theatre)**PEIMS:** 03251000**Grade Placement:** 9-12**Prerequisite:** Theatre Arts I or Choir and
Teacher Approval**Credit:** 1

In this course the student will develop skills necessary to become a "triple threat" performer, which is a proficiency in singing, acting, and dancing. The students will gain a comprehensive understanding of the process involved in creating a musical production from the inception to performances. The student will also recognize the importance of all aspects of the history of American musical theatre and musical theatre productions. After school rehearsal is a requirement during productions. The opportunity will also be extended to perform for the elementary and middle schools. This course combines and builds upon skills learned in theatre classes as well as choral music classes.

Health/Physical Education

| Course Name | Credits | Grade Levels | Prerequisites |
|--|---------|--------------|---|
| Health Education | .5 | 8-12 | None |
| Aerobic Activities (with Dance I) | 2 | 9-12 | Students Must Register for Dance I |
| Cheerleading (Substitution Credit /After School Participation Only) | .5-1 | 9-12 | Competitive Tryouts |
| Cheerleading (Gymnastics) | 1 | 9-12 | Competitive Tryouts |
| Foundations of Personal Fitness (Boy's or Girl's) | 1 | 9-12 | None |
| Individual/Team Sports | 1 | 10-12 | Foundations of Personal Fitness Recommended |

Health Education

PEIMS: 03810100

Grade Placement: 8-12

Prerequisite: None

Credit: .5

The course enables each student to develop an understanding of the attitudes and habits that are conducive to healthful living. The Health education class will help students develop skills that will make them health-literate adults. Students will use problem-solving, research, goal-setting and communication skills to protect their health and that of the community.

Aerobic Activities (with Dance I)

PEIMS: PES00053

Grade Placement: 9-12

Prerequisite: Students Must Register for Dance I

Credit: .2 (1 Physical Education + 1 Fine Art)

Students in Dance I also receive aerobic activities credit. Aerobic activities target a variety of movements that promote and encourage health-related fitness. Students enrolled in this course will acquire skills and knowledge in a variety of cardiovascular activities such as jogging, power walking, step aerobics, and circuit training.

Cheerleading (Substitution Credit /After School Participation Only)

PEIMS: PES00013

Grade Placement: 9-12

Prerequisite: Competitive Tryouts

Credit: .5-1 (fall only up to 1 credit)

Students in the cheerleading class will not be allowed to receive substitution credit as listed above.

Cheerleading (Gymnastics)

PEIMS: PES00000

PES00001

PES00002

PES00003

Grade Placement: 9-12

Prerequisite: Competitive Tryouts

Credit: 1 each

The cheerleaders perform at athletic events and other school and community functions as well as represent their school at regional and national cheer competitions. Cheer class is designed to improve the technical and performance skills of the high school cheerleaders both individually and as a group.

Foundations of Personal Fitness (Boy's or Girl's)

PEIMS: PES00052

Grade Placement: 9-12

Prerequisite: None

Credit: .1

The purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. Instructional units focus on basic conditioning, advantages of weight training, proper nutrition, and the appraisal of individual fitness levels.

Individual/Team Sports

PEIMS: PES00055

Grade Placement: 10-12

Prerequisite: Foundations of Personal Fitness Recommended

Credit: .1

Students are expected to participate in a wide range of individual and team sports that can be pursued for a lifetime. In this course students develop health-related fitness and an appreciation for teamwork and fair play.

Students learn skills, rules, and regulations for participation. The instructional focus of this course is on the benefits of participating in physical activities throughout a lifetime.

Reserve Officer Training Corps I

PEIMS: PES00004

Prerequisite: None

Grade Placement: 9-12

Credit: 1

Site: Saginaw High School

This course is designed to acquaint the student with the historical development of flight and the role of the military in history. Over half of the course describes the makeup of the aerospace community and the United States Air Force. Many of the sixty hours dedicated to leadership studies relate directly to the academic subject matter, with study habits and time management. Wearing of the uniform, customs and courtesies and basic drill skills are introduced.

Students enrolled in this course receive physical education substitution credit.

**FOR MORE
INFORMATION REGARDING
PHYSICAL EDUCATION
SUBSTITUTIONS AND CREDITS
PLEASE REFER TO
PAGES 9-10 OF THIS GUIDE.**

**Private or Commercially Sponsored
Physical Activity**

Students may be awarded up to 4 physical education credits upon documentation of 80 hours of approved private or commercially-sponsored programs conducted on or off campus. Eighty documented hours of supervised participation must be submitted by an approved, trained instructor for a maximum of .5 credit per semester.

Prior permission is required.

Journalism

| Course Name | Credits | Grade Levels | Prerequisites |
|--|---------------|--------------|---------------------|
| Journalism | 1 | 9-12 | None |
| Journalism-Publications I-III | 1 each | 10-12 | Journalism I |
| Photojournalism | .5 | 9-12 | None |
| Advanced Broadcast Journalism I | 1 | 10-12 | Journalism I |

Journalism

PEIMS: 03230100

Grade Placement: 9-12

Prerequisite: None

Credit: 1

This course provides an introduction to the history and basics of journalism to include editing, layout and publishing. Areas of study will focus on general news writing, including both newsletters and newspapers.

Journalism -Publications I-III

PEIMS: 03230110

03230120

03230130

Grade Placement: 10-12

Prerequisite: Journalism I and Teacher Approval

Credit: 1

This course explores the methods and processes of journalistic products, including both the school yearbook and newspaper. By specializing in one area or combining a variety of roles, students have the opportunity to develop or refine skills as writers, photographers, layout editors, copy editors, and/or managing editors. Students are expected to enter class with the knowledge of how to write in the journalistic style, basic photography experience, and a basic understanding of computers.

Photojournalism

PEIMS: 03230800

Grade Placement: 9-12

Prerequisite: None

Credit: .5

Students in Photojournalism communicate in a variety of forms for a variety of audiences and purposes. Students are expected to plan, interpret, and critique visual representation, carefully examining their product for publication. Students will become analytical consumers of media and technology to enhance their communication skills. Students will study the laws and ethical considerations that impact photography. Technology, visual, and electronic media are used as tools for learning as students create, clarify, critique, and produce effective visual representations. Students will refine and enhance their journalistic skills and produce photographs for a journalistic publication.

Advanced Broadcast Journalism I

PEIMS: 03231900

Grade Placement: 10-12

Prerequisite: Journalism I and Teacher Approval

Credit: 1

Students write, film, edit, and otherwise produce campus TV, the broadcast for the student body. They must work as part of a team while covering events and creating segments that reflect the diversity of school and community life. Students with current experience in producing campus TV will assume the responsibility of exercising leadership and functioning as managers, technical directors and producers.

Languages Other Than English

| Course Name | Credits | Grade Levels | Prerequisites |
|--|---------|--------------|---|
| French I | 1 | 9-12 | None |
| French II | 1 | 10-12 | French I |
| French III Pre-AP | 1 | 11-12 | French II (See Suggested Guidelines) |
| French IV AP | 1 | 12 | French III (See Suggested Guidelines) |
| German I | 1 | 9-12 | None |
| German II | 1 | 10-12 | German I |
| German III Pre-AP | 1 | 11-12 | German II (See Suggested Guidelines) |
| German IV AP | 1 | 12 | German III (See Suggested Guidelines) |
| Spanish I | 1 | 8-12 | None |
| Spanish II | 1 | 9-12 | Spanish I |
| Spanish III Pre-AP | 1 | 10-12 | Spanish II (See Suggested Guidelines) |
| Spanish IV AP | 1 | 11-12 | Spanish III (See Suggested Guidelines) |
| Spanish V Pre-AP Spanish Literature for Spanish Speakers | 1 | 9 | 8th Grade Spanish IV AP /Heritage Speaker |
| Spanish V AP | 1 | 12 | Spanish IV AP |

Suggested Guidelines for Pre-Advanced Placement and Advanced Placement Languages Other Than English

- Successful completion of language courses taken previously with an average of 80 or above
- Students encouraged to seek teacher advisement
- Student should have passed TAKS.

These suggested guidelines are designed to aid the student in choosing the course in which he/she will most likely succeed.

French I

PEIMS: 03410100

Grade Placement: 9-12

Prerequisite: None

Credit: 1

This course is designed as an introduction to the basic structure and vocabulary of the French language. Pronunciation, speaking and grammar are emphasized through oral and written exercises. Emphasis is placed on the development of basic vocabulary. French culture will also be introduced.

French II

PEIMS: 03410200

Grade Placement: 10-12

Prerequisite: French I

Credit: 1

This course builds on the skills acquired in French I. Basic structure and vocabulary from the first level will be reviewed. Students will continue to develop skills in speaking, listening, reading and writing as their knowledge of the language increases. Linguistic practice is conducted in a cultural context.

French III Pre-AP**PEIMS:** 03410300Q**Grade Placement:** 11-12**Prerequisite:** French II (See Suggested Guidelines)**Credit:** 1

This course builds on the skills acquired in French I and II. Structure and vocabulary from the previous courses will be reviewed. Students will develop more advanced skills in speaking, listening, reading and writing through use of the language in the classroom. Students are introduced to French literature and communicative skills are emphasized. **Students who excel in this course may seek advanced placement testing for the possibility of earning college credit.**

French IV AP**PEIMS:** A3410100P**Grade Placement:** 12**Prerequisite:** French III (See Suggested Guidelines)**Credit:** 1

This course builds on the skills acquired in French I, II and III. Structure and vocabulary from the first courses will be reviewed. Students will continue to develop more advanced skills in speaking, listening, reading and writing. French is spoken extensively in the classroom and emphasis is placed on writing. The format of the AP exam is introduced. Students are exposed to a broader spectrum of French literature and French culture. The curriculum is prescribed by the College Board for AP classes. **Students who take French IV AP are expected to take the Advanced Placement Exam**

German I**PEIMS:** 03420100**Grade Placement:** 9-12**Prerequisite:** None**Credit:** 1

This course is designed as an introduction to the basic structure and vocabulary of the German language. Pronunciation, speaking and grammar are emphasized through oral and written exercises. Emphasis is placed on the development of basic vocabulary. German culture will also be introduced.

German II**PEIMS:** 03420200**Grade Placement:** 10-12**Prerequisite:** German I**Credit:** 1

This course builds on the skills acquired in German I. Basic structure and vocabulary from the first level will be reviewed. Students will continue to develop skills in speaking, listening, reading and writing as their knowledge of the language increases. Linguistic practice is conducted in a cultural context.

German III Pre-AP**PEIMS:** 03420300Q**Grade Placement:** 11-12**Prerequisite:** German II (See Suggested Guidelines)**Credit:** 1

This course builds on the skills acquired in German I and II. Structure and vocabulary from the first courses will be reviewed. Students will develop more advanced skills in speaking, listening, reading and writing through use of the language in the classroom. Students are introduced to German literature and communicative skills are emphasized. **Students who excel in this course may seek advanced placement testing for the possibility of earning college credit.**

German IV AP**PEIMS:** A3420100P**Grade Placement:** 12**Prerequisite:** German III (See Suggested Guidelines)**Credit:** 1

This course builds on the skills acquired in German I, II and III. Structure and vocabulary from the previous courses will be reviewed. Students will continue to develop more advanced skills in speaking, listening, reading, and writing. German is spoken extensively in the classroom, and emphasis is placed on writing. Students are exposed to a broader spectrum of German literature and German culture. The curriculum is prescribed by the College Board for AP classes. **Students who take German IV AP are expected to take the Advanced Placement Exam.**

Spanish I**PEIMS:** 03440100**Grade Placement:** 8-12**Prerequisite:** None**Credit:** 1

This course is designed as an introduction to the basic structure and vocabulary of the Spanish language. Pronunciation, speaking and grammar are emphasized through oral and written exercises. Emphasis is placed on the development of basic vocabulary. Hispanic culture will also be introduced.

Spanish II**PEIMS:** 03440200**Grade Placement:** 9-12**Prerequisite:** Spanish I**Credit:** 1

This course builds on the skills acquired in Spanish I. Basic structure and vocabulary from the first level will be reviewed. Students will continue to develop skills in speaking, listening, reading and writing as their knowledge of the language increases. Linguistic practice is conducted in a cultural context.

Spanish III Pre AP**PEIMS:** 03440300Q**Grade Placement:** 10-12**Prerequisites:** Spanish II (See Suggested Guidelines)**Credit:** 1

This course builds on the skills acquired in Spanish I and II. Structure and vocabulary from the first courses will be reviewed. Students will develop more advanced skills in speaking, listening, reading and writing through use of the language in the classroom. Students are introduced to Spanish literature and communicative skills are emphasized. **Students who excel in this course may seek advanced placement testing for the possibility of earning college credit.**

Spanish IV AP**PEIMS:** A3440100P**Grade Placement:** 11-12**Prerequisite:** Spanish III (See Suggested Guidelines)**Credit:** 1

This course builds on the skills acquired in Spanish I, II and III. Structure and vocabulary from the first courses will be reviewed. Students will continue to develop more advanced skills in speaking, listening, reading and writing. Spanish is spoken extensively in the classroom and emphasis is placed on writing. Students are exposed to a broader spectrum of Spanish literature and Hispanic culture. The curriculum is prescribed by the College Board for AP classes. **Students who take Spanish IV AP are expected to take the Advanced Placement Exam.**

Spanish V Pre-AP Spanish Literature for Spanish Speakers**PEIMS:** 03440550Q**Grade Placement:** 9**Prerequisite:** 8th Grade Spanish IV AP
(See Suggested Guidelines)**Credit:** 1

Spanish V Pre-AP is an accelerated course for heritage speakers. This is an introductory course to the Spanish V AP Literature course. The course is designed to introduce students to the formal study of a representative body of Peninsular and Latin American literary texts. Additionally, students will further explore the five C's - communication, culture, connections, comparisons, communities - at the advanced proficiency level. Students will acquire additional vocabulary and sophistication in their use of target language through projects, literature, intensified oral practice, and the study of grammatical constructions all within the context of real-world setting.

Spanish V AP**PEIMS:** A3440200P**Grade Placement:** 12**Prerequisite:** Spanish IV AP (See Suggested Guidelines)**Credit:** 1

This course builds on the skills acquired in Spanish I, II, III and IV and prepares students for Spanish Advanced Placement Examinations. Structure and vocabulary from previous courses will be reviewed. Students will continue to develop more advanced skills in speaking, listening, reading and writing. Linguistic practice follows the format of the AP exam. Spanish is spoken exclusively in the classroom and writing assignments will be based on Spanish literature and Hispanic culture. The curriculum is prescribed by the College Board for AP classes. **Students who take Spanish V AP are expected to take the Advanced Placement Exam.**

Military Science

| Course Name | Credits | Grade Levels | Prerequisites |
|------------------------------------|---------|--------------|---------------|
| Reserve Officer Training Corps I | 1 | 9-12 | None |
| Reserve Officer Training Corps II | 1 | 10-12 | ROTC I |
| Reserve Officer Training Corps III | 1 | 10-12 | ROTC II |
| Reserve Officer Training Corps IV | 1 | 10-12 | ROTC III |

Reserve Officer Training Corps I

PEIMS: PES00004

Prerequisite: None

Grade Placement: 9-12

Credit: 1

Site: Saginaw High School

JROTC I is the introductory course for all new cadets. Students will focus on becoming effective cadet followers as they learn basic Air Force JROTC customs and courtesies, dress and appearance standards, and drill fundamentals. **Students enrolled in this course receive physical education substitution credit.**

Reserve Officer Training Corps II

PEIMS: 03160200

Prerequisite: ROTC I

Grade Placement: 10-12

Credit: 1

Site: Saginaw High School

JROTC II is designed for second year cadets. These students will generally help train new cadets, lead smaller extracurricular teams or clubs, or manage a specific functional area within the cadet corps.

Reserve Officer Training Corps III

PEIMS: 03160300

Prerequisite: ROTC II

Grade Placement: 11-12

Credit: 1

Site: Saginaw High School

JROTC III is intended for third year students. These junior and senior cadets will focus on leading larger groups of cadets and managing larger programs affecting the entire Cadet Group.

Reserve Officer Training Corps IV

PEIMS: 03160400

Prerequisite: ROTC III

Grade Placement: 12

Credit: 1

Site: Saginaw High School

JROTC IV is intended for fourth year students. These senior cadets have experienced the entire JROTC program and are generally responsible for running all cadet programs. Fourth year cadets may also be assigned special corps projects or a position as an instructor's aide.

Junior Reserve Officer Training Corps (JROTC) Program Overview

Air Force JROTC (AFJROTC) offers a one to four-year elective course of study designed to **“develop citizens of character dedicated to serving their nation and community.”** This program uses traditional classroom instruction along with military-style training techniques to help students (referred to as “cadets”) grow in the areas of personal responsibility, self-discipline, and leadership. Although students do not incur a military service commitment for taking JROTC, they can earn early promotions if they enlist after graduation.

Cadets of all grades are required to wear AFJROTC uniforms once a week. Uniforms are loaned to cadets once they demonstrate the ability to meet basic Air Force grooming standards (haircuts, shave, and cosmetics). AFJROTC dress and appearance requirements are outlined in Air Force Instruction 36-2903. Failure to maintain these standards will result in failing grades and dismissal from the program.

Although the specific topic of study rotates each year, cadets will learn about Aerospace Science, Leadership Education, and wellness each semester and each week. Aerospace Science (AS) subjects include history of flight, exploring space, and global cultural studies. Leadership Education (LE) focuses on building better citizens through lessons on Air Force traditions and customs, drill and ceremony (marching), and life/career skills. The wellness component of each semester consists of weekly physical training (PT) which is designed to motivate cadets to lead an active, healthy lifestyle.

The rotation of subject matter ensures students can take JROTC classes all four years without repeating a course of study. This also allows for mixed classes of freshman through seniors where more experienced cadets can practice leadership skills learned from past years. The key distinction between courses comes from these additional leadership requirements levied on students as they progress through the program. The program's goal is to establish a cadet-run “corps” which serves the cadets, the school, and the community.

Technology Applications

| Course Name | Credits | Grade Levels | Prerequisites |
|-------------------------|---------|--------------|---|
| Computer Science Pre-AP | 1 | 10-12 | Algebra II or Concurrent Enrollment |
| Computer Science AP | 1 | 11-12 | Computer Science I and Algebra II |
| Desktop Publishing | 1 | 10-12 | Business Information Management or BCIS Recommended |
| Multimedia | 1 | 9-12 | Business Information Management or BCIS Recommended |

Computer Science Pre-AP

PEIMS: 03580200Q

Grade Placement: 10-12

Prerequisite: Algebra II or Concurrent Enrollment

Credit: 1

This course offers an introduction to Computer Science through the development of concepts and skills associated with programming methodology, data types and structures, algorithms, social implications and applications of computers using the JAVA language. Course can count for one credit of Technology Applications.

Computer Science AP

PEIMS: A3580100P

Grade Placement: 11-12

Prerequisite: Computer Science I and Algebra II

Credit: 1

This course will strengthen the skills developed in Computer Science I. It involves more detailed programming using records, sets, stacks, pointers and recursion and culminates in the preparation for the AP exam administered in May. Course can count for one credit of Technology Applications.

Desktop Publishing

PEIMS: 03580400

Grade Placement: 10-12

Prerequisite: BCIS Recommended

Credit: 1

The student will develop proficiency in using desktop publishing software to create a variety of printed and electronic publications. Students will incorporate journalistic principles in design and layout of publications including integration of text and graphics and use sophisticated hardware and software to develop and create quality materials for business related tasks. Students will incorporate the process of analyzing information and audience and choosing the appropriate visual signals to communicate the desired message effectively.

Multimedia

PEIMS: 03580600

Grade Placement: 9-12

Prerequisite: Keyboarding

Credit: 1

This course is intended as an introduction to the use of Multimedia to produce quality presentations. It involves the use of a wide range of hardware, scanners, cameras, camcorders, printers and software currently available in the multimedia areas. Course can count for one credit of Technology Applications.



Eagle Mountain-Saginaw Independent School District
1200 Old Decatur Road | Fort Worth, TX 76179 | 817.232.0880
www.emsisd.com