Great Expectations Great Rewards

CISD

CROWLEY INDEPENDENT SCHOOL DISTRICT

Secondary Academic Handbook
2013-2014

CISD Secondary Schools

Crowley High School
1005 W. Main
Crowley, Texas 76036
Counseling Center 817-297-5810

Crowley High 9th Grade
1016 Highway 1187
Crowley, Texas 76036
Counseling Center 817-297-5845

HF Stevens Middle School
940 North Crowley Rd.
Crowley, TX 76036
Counseling Center: 817-297-5840

North Crowley High School
9100 South Hulen
Fort Worth, Texas 76123
Counseling Center 817-263-1250

North Crowley High 9th Grade
4630 McPherson Blvd
Fort Worth, Texas 76123
Counseling Center 817-297- 5896

Crowley Middle School
3800 West Risinger Rd.
Fort Worth, TX 76123
Counseling Center 817-370-5650

Summer Creek Middle School
10236 Summer Creek Dr.
Crowley, TX 76036
Counseling Center 817-297-5090

Bill R. Johnson Career Technology Education Center
1033 McCart Ave
Crowley, TX 76036
Phone: 817-297-3018

Crowley Independent School District
Profile of a Graduate – 21st Century Learner

All graduates of the Crowley Independent School District will make valuable contributions to society in the 21st century. The following competencies and performance behaviors are expectations for all CISD graduates.

As a 21st century learner, the students will have abilities to

- make conceptual connections across the content areas
- work effectively on real-world applications and make connections to real-world contexts
- be successful in post-secondary education and employment after their graduation from the PK -12 system

Competencies

Academically Prepared for Life-Long Learning

- Uses reading, writing, language, mathematics, science, social studies and technology effectively
- Maintains high expectations of learning
- Appreciates a diversity of literature and fine arts
- Continues education in a variety of settings, i.e. academic, vocational, and workplace
- Commits to the continuous process of self-directed learning
- Sets, adjusts, and evaluates realistic long and short term goals
- Demonstrates the ability to locate, organize, evaluate, and utilize information
- Reads proficiently from a variety of sources for knowledge and enjoyment

Effective Communicator

- Practices effective communication skills through listening, speaking, writing, and reading while adapting to different audiences and purposes
- Conveys ideas while respecting the feelings and thoughts of others
- Demonstrates the ability to communicate using the computer and other available and appropriate technology

Performance Behaviors

Problem Solver

- Exhibits innovative and perceptive thinking to solve problems
- Questions, researches, and thinks critically to obtain essential knowledge
- Demonstrates conflict resolution and interpersonal skills
- Appreciates the past with a vision for the future

Responsible Citizen

- Value integrity and accepts responsibility
- Builds self discipline and a strong work ethic, balancing competition and cooperation
- Demonstrates cultural and social mindedness and willingness to participate in a democratic society and the world
- Develop an awareness of a healthy life style

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I. GENERAL INFORMATION

STATEMENT ON NONDISCRIMINATION

In its efforts to promote nondiscrimination, Crowley ISD does not discriminate on the basis of race, religion, color, national origin, gender, or disability in providing education services, activities, and programs, including vocational programs, in accordance with Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Educational Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. The following district staff members have been designated to coordinate compliance with these legal requirements: Title IX Coordinator, for concerns regarding discrimination on the basis of gender: Bill Johnson, Deputy Superintendent, who can be contacted at 817-297-5800. Section 504 Coordinator, for concerns regarding discrimination on the basis of disability: Dr. John Hamlett III, Support Programs Coordinator, who can be contacted at 817-297-5800. All other concerns regarding discrimination: Please contact the superintendent at 817-297-5800. [See FB(LOCAL) and FFH(LOCAL)]

COURSE SELECTION

Course Selection will take place late in the fall or early in the spring semester of each school year. Although students will receive specific instructions during that time from middle/high school personnel, the responsibility for appropriate graduation and career choices rests with the student and parents. The counseling staff is available to assist in making decisions related to course selections.

One of the most critical functions performed by a school is obtaining the course selection of students. Based upon the course selection information, courses are scheduled and teachers are employed for the next year; therefore, it is important that course selections be given serious consideration. After school begins, changes will only be made to correct scheduling errors or to equalize class enrollments.

A note about this book:

The purpose of the Academic Handbook is to provide information regarding graduation plans and courses offered to fulfill those plans, and it will be useful to those who read thoroughly and follow up with any questions. Students should take the time to read the course descriptions carefully, noting the recommended grade levels and any prerequisite course. Courses selected by students each year should follow a plan for graduation and beyond. School personnel will continue to provide support in this planning.

We realize course registration may bring about many questions. Please feel free to call the Counseling center at your middle/high school. The counselors will be glad to answer your questions.

A Word of Caution

Some courses listed in this guide may not actually be offered due to low enrollment. Because of scheduling conflicts and class closings, a student may not be able to register for every course he/she plans to take during the semester. For this reason, the student should list alternate courses in case his/her first choice is not available. Please note that all courses will not be offered every semester of every year. In cases of limited class enrollment, priority will be given to 12th graders first, 11th graders next, etc.

NOTICE OF DISCLAIMER

The Academic Handbook is accurate up to the day of printing and does not reflect any changes as a result of legislative action or in-district committee work. Any changes after the date of printing will be communicated through updates and notables.

ENROLLMENT

A student enrolling in the district for the first time must be accompanied by his/her parent(s) or legal guardian and must provide satisfactory evidence of required immunization, proof of residency (*acceptable:* utility bill or lease agreement), copy of birth certificate and social security card, and a withdrawal form from the previous school. To complete admission, the following demographic information is necessary: home address, home phone, mother's name, place of business and work phone, father's name, place of business and work phone, and a friend or relative's name and number in case of emergency.

T. E. A. REQUIREMENT FOR FULL TIME ATTENDANCE

A student must be enrolled for at least four hours (240 minutes) of daily instruction to be considered in membership for one full day. 19 TAC § 129.21 (h)

EARLY DISMISSAL

Students who have earned enough credits to be classified as a junior or senior and who have passed all portions of the state assessment test (TAKS exit test or STAAR EOC exams) may opt to take early dismissal. Students having early dismissal must leave campus after their last class or be assigned to another class.

SCHEDULE CHANGES

All schedule changes requested by a student/parent must be initiated on the campus schedule change form and initiated by the required deadlines.

	Requested schedule change during	
	1st Semester	2nd Semester
Year-long Course	first five instructional days	last 2 weeks of 1st Semester until first two instructional days
Semester Course	first five instructional days	first five instructional days of 2nd Semester

Schedule changes after the schedule change deadline could result in a loss of credit and the possibility of a delay in graduation. If a concern about improper academic placement occurs after the schedule change deadline, a Parent-Teacher Conference must be held. If both the parent and teacher agree that an improper academic placement has been made, after academic interventions have occurred, a schedule change may be requested and possibly granted by campus administrative approval. Any questions about schedules should be referred to the counseling office.

Schedule changes are normally made only under the conditions listed below:

1. **A student fails a course.**
2. **A change is needed as a result of a credit earned in summer school.**
3. **A change is needed to balance classes during the semester.**
4. **A student has a schedule, which is obviously not educationally appropriate.**
5. **A change is needed as a result of a student being elected to or administratively assigned to an activity within the school.**
6. **A change will enable a senior to graduate in the senior year.**
7. **A change that, in the judgment of the principal, is in the best interest of the student and/or the teacher.**

Students must request schedule changes within the time frame established by the principal.

II. GRADUATION REQUIREMENTS AND PLANS

GRADUATION PROGRAMS

All students in Crowley Independent School District will be placed on the Recommended or Distinguished Achievement high school graduation plan. Most colleges seriously consider and require specific courses for admission. The Recommended and Distinguished Achievement programs meet the requirements for most schools and universities. Also, to be eligible for many scholarships and/or the TEXAS Grant, a student must have graduated from one of these programs. Students wishing to exit this program must apply to a committee composed of a counselor and an administrator. Any other person knowledgeable of the student's capabilities may serve on the committee.

REQUIRED COURSES

These courses are required to fulfill state educational guidelines. See the graduation plan for required courses. A course may or may not have a prerequisite – a course that must be taken prior to the course under consideration (see also Glossary).

ELECTIVE COURSES

In addition to required state courses, students must choose other courses to complete their schedules and their graduation plan. The number of electives varies from year to year. Elective courses or credits may be selected from additional core academic courses or from courses in other departments.

HIGH SCHOOL PE SUBSTITUTIONS:

According to TEA, students must earn one credit of physical education (PE) and may earn no more than four credits to satisfy state graduation requirements.

Certain activities may be substituted for a PE course.
Students participating in approved substitution activities for PE credit are required to participate in at least 100 minutes per five-day school week at a moderate or vigorous level. Activities allowed as PE substitutions include JROTC, athletics, marching band, cheerleading, drill team, and approved appropriate private or commercially-sponsored programs.

MIDDLE SCHOOL PE REQUIREMENTS

PE TEKS-based instruction is required to be offered at each middle school grade level. The format must include thirty (30) minutes a day of moderate to vigorous physical activity as required for grades 6-8 and to be offered at least four semesters during grades 6-8.

LOCAL CREDIT COURSES

Local credits are awarded for locally developed courses that are approved for CISD credit only and are not counted toward required state graduation credits. The state requires a minimum of 22-26 state credits to graduate. Local policy requires CISD graduates to have 23 credits to graduate on the Minimum High School Plan of which one local credit may be included. All students on the Recommended or Distinguish Achievement Program must accumulate 26 state credits to graduate. Extended Algebra I has an Algebra lab that is a local elective credit. Other local credit courses are noted in the course descriptions.

TAKS – TEXAS ASSESSMENT OF KNOWLEDGE AND SKILLS

All students who began the 9th grade in the school years 2008-09 through the 2010-11, except those exempted by an ARD committee, must demonstrate mastery of the exit level of the Texas Assessment of Knowledge and Skills (TAKS) before receiving a diploma from a Texas public high school. A student must make a passing score on each part of the TAKS test to receive a high school diploma. The first opportunity to take the exit TAKS test is during the spring semester in which the student is classified as a junior, 11th grade. There will be multiple testing opportunities given to students to pass the TAKS test.

According to CISD Board Policy [EHBC Local], students who fail to demonstrate mastery on the reading, English Language Arts, or math TAKS test shall be provided remediation support the following semester which may include a TAKS tutorial lab scheduled in place of an elective course. Students enrolled in a tutorial lab shall receive local credit only. (See the course description for the Test-taking Strategies and Critical Thinking course).

END OF COURSE ASSESSMENT PROGRAM

Senate Bill (SB) 1031 mandated the development of end-of-course (EOC) assessments for secondary-level courses in Algebra I, Algebra II, geometry, biology, chemistry, physics, English I, English II, English III, world geography, world history, and United States history. The purpose of the new EOC assessments is to measure students' academic performance in core high school courses and to become part of the graduation requirements **starting with the freshman class of 2011–2012.** The EOC assessments for lower-level courses will include questions that determine readiness for advanced coursework. The assessments for higher-level courses will include a separate series of special purpose questions that measure college readiness and the need for developmental coursework in higher education. In addition, the score a student achieves on each EOC assessment will be worth 15% of the student's final grade for that course. Students will be provided multiple opportunities to retake EOC exams to improve their scores, and students who do not meet the Minimum required score must retake the EOC exam.

According to CISD Board Policy [EHBC Local}, students who fail to make the Minimum score on an EOC exam shall be provided remediation support which may include summer programming and tutorial labs.

Students graduating under the **Recommended High School Program** (RHSP) must take all twelve STAAR EOC assessments (Algebra I, geometry, Algebra II, biology, chemistry, physics, English I, English II, English III, world geography, world history, and

U.S. history) and meet the cumulative score requirement in each of the four foundation content areas. Additionally, these students must achieve Level II: Satisfactory Academic Performance on the Algebra II and English III assessments in order to receive a diploma under the RHSP.

Students graduating under the **Distinguished Achievement Program** (DAP) must take all twelve EOC assessments and meet the cumulative score requirement in each of the four foundation content areas. In addition, these students must meet Level III: Advanced Academic Performance, the postsecondary-readiness performance standard, on the Algebra II and English III assessments in order to receive a diploma under the DAP.

STATE SCHOLARSHIPS AND GRANTS

Funding for the Early High School Graduation Scholarship (EHS) Program has been discontinued. The Texas Early High School Graduation Scholarship Program was designed for students with financial need who completed the Recommended or Advanced (Distinguished Achievement) High School Program.

III. COURSES AND PROGRAMS

ADVANCED PLACEMENT (AP) COURSES

The AP curriculum is outlined by the College Board and reflects the appropriate college-level material required for success on the College Board AP Exams given each spring.

Students must assume responsibility for considerable out-of-class reading and/or homework assignments and have well-developed reading, writing, and/or math skills. Excellent class attendance and good organizational skills are preferable for students to experience success.

Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit. AP exam applications are due by Spring Break and payment will be due by the end of the week following Spring Break. See Appendix for Advanced Academic Programming.

CAREER AND TECHNICAL EDUCATION

The Career and Technical Education (CTE) Program in CISD is dedicated to preparing young people to manage the dual roles of family member and wage earner. Career and technical programs prepare students for various aspects of home and work through Career Pathways. Technological advances and global competition have transformed the nature of work. Tomorrow's jobs will require more knowledge, better skills, and more flexible workers than ever before. Tomorrow's workers must be prepared to change jobs and careers several times, continually updating their knowledge and skills.

To prepare today's students for tomorrow, schools are working to help students achieve in challenging subjects. One key approach to this goal is to provide students with relevant contexts for learning. Career clusters link what students learn in school with the knowledge and skills they need for success in college and careers.

Career clusters identify pathways from secondary school to two- and four-year colleges, graduate school, and the workplace, so students can learn in school what they can do in the future. This connection to future goals motivates students to work harder and enroll in more rigorous courses. This program enables students to gain entry-level employment in a high-skill, high-wage job and/or to continue their education.

DUAL CREDIT COURSES

Students classified as juniors or seniors may be granted credit for college course(s) taken at Tarrant County College (TCC) as well as CHS and NCHS or other approved institutions to fulfill requirements for high school graduation. Juniors or seniors who want dual credit must fulfill the criteria set forth in policy EHDD (Local) that includes obtaining early admission to the college with associated tuition and fees. Students must remain enrolled in at least two classes each day on the high school campus. Eligibility is limited to high school students who have earned junior status and have a grade average of 80 or above. Students must pass the appropriate state approved placement test, known as the THEA (Texas Higher Education Assessment) such as the ACUPLACER. The student pays all cost associated with taking the college course and provides the district with an official college transcript showing the grade received. The grade must be a minimum of "C" to qualify for high school credit.

Approval for courses for which credit is granted is determined by the principal and the Chief Instructional Officer. Students must attend at least 2 classes daily at CISD campuses. Release time for dual credit will be allowed above these two classes. For a list of approved Dual Credit courses see Appendix for Advanced Academic Programming or discuss with your counselor.

DUALCREDITENROLLMENT/WITHDRAWALPROCEDURESFORHIGHSCHOOLCREDIT

1. Admissions deadline for dual credit class interest applications will be Mid-June for Fall classes, End of November for Spring classes, and End of April for Summer classes.
2. All other admission requirements including qualification from testing, college acceptance and payment of fees must be completed by End of July for fall , End of December for spring and Mid-May for summer classes.
3. Deadline for class changes from one dual credit class to another dual credit class will be no later than the end of the first week of class each semester.
4. Withdrawal from a dual credit class will follow CISD and UIL rules for the high school schedule and transcript.
    - Withdrawal prior to the end of the 12th week will result in the student's being scheduled into the equivalent required high school class and the grade being transferred.
    - UIL rules stipulate that "A student may not drop a class in which he/she has a grade below 70 after the end of the first four school weeks of the class without its being considered a failing grade for eligibility purposes."
5. Withdrawal from a dual credit class will follow TCC rules in regards to the grade reported on the college transcript.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL)

All students who enroll in this school district will complete a home language survey. If this survey indicates that a language other than English is spoken in the home or is spoken by the student, the student must be referred to the ESOL teacher for evaluation. Tests will be administered and students who are found to be limited English proficient (LEP) and are immigrants to the United States may enroll in ESOL classes. These classes are offered on the high school campuses. The focus of ESOL classes is on intensive development of listening, speaking, reading, and writing skills in English. Two years or credits of ESOL will count as the English I and II credits required for high school graduation.

GIFTED AND TALENTED PROGRAM

The Gifted and Talented (GATE) Program within the Crowley Independent School District is an integral part of the district's fundamental commitment to meet the individual needs of all students. The school district is dedicated to the development of each student's talents and abilities.

In order to meet the needs of students identified as gifted and talented, the GATE Program for the Crowley Independent School District will provide a curriculum, which matches those needs and interests with the appropriate learning experiences. Student learning will focus on analysis, synthesis, and evaluation. For gifted students, one of the most important aspects of learning is to think critically and creatively. Thus, gifted learners are best served by an approach that allows for accelerated and advanced learning as well as enriched and extended experiences through Pre-AP and Advanced Placement courses at the middle and high school. See Appendix for Advanced Academic Programming.

NCAA (NATIONAL COLLEGIATE ATHLETIC ASSOCIATION) ELIGIBILITY REQUIREMENTS

To be eligible for Athletic scholarships at any NCAA Division I and II Campuses during the freshman year of college, students must gain certification from the NCAA Eligibility Center that they meet NCAA requirements. More information can be seen in the appendix or obtained from the Counseling Office and the following website.
https://web1.ncaa.org/eligibilitycenter/common

PRE-ADVANCED PLACEMENT PROGRAM

The Pre-AP program is an open enrollment program designed for students who demonstrate high ability, motivation, and interest to study and learn at a higher level. In this program students will be given the opportunity to develop critical thinking and problem solving skills as they study a subject in greater depth while becoming academically prepared for the demands of AP and college courses. Excellent class attendance and good organizational skills are preferable for students to experience success. Students must assume responsibility for considerable out-of-class reading and/or homework assignments and have well-developed reading, writing, and/or math skills. See Appendix for Advanced Academic Programming.

Pre-AP Cautionary Note to Students and Parents: Pre-AP courses are intended to prepare students for success in advanced course work in the high school setting. As such, the work is more in depth and requires a greater time and effort commitment by the student than the normal course work. The student's success will be directly related to their personal investment, therefore, while all students may participate, students who do not invest the time and effort will struggle to be successful in such a program. We strongly suggest that the student and parent make this decision carefully and deliberately. If during the course of the year, the teacher feels that it is in the best interest of the student academically or emotionally to change from this course of study, they will discuss their concerns with the parent, student, and counselor and offer recommendations regarding the student's continued placement.

Pre-Advanced Placement (Pre-AP) Program – Middle School

The Crowley ISD recommends that students who have high interest in one or more of the core subjects such as English language arts, Mathematics, Science, and Social Studies consider advanced academics courses before entering middle school.

Before enrolling in a 7th grade Pre-AP course in any subject area, it is advised that the student have a raw score on the most recent state assessment subject area exam equivalent to 70% or better and at least a course average of 75 in the subject of interest.

SPECIAL EDUCATION PROGRAM

Special Education courses are offered to assist eligible students in both academic and nonacademic areas. Graduation requirements are developed by an Admittance/Review/Dismissal (ARD) committee for each individual student. Students entering Grade 9 in 2008-2009 and thereafter must demonstrate satisfactory performance on the appropriate state assessments to graduate under the recommended or distinguished high school programs. For more information contact the Counseling Office or read the Transition Resource Guide on the Crowley ISD website.

SUMMER SCHOOL PROGRAM

Crowley ISD offers courses during the summer for two purposes. Middle and high school students may recover courses/credits lost during the regular school year and high school students may take an additional course for acceleration, original credit. These courses are made available to students on a voluntary basis for a fee. High school students may enroll in up to 1.5 credits. Middle school students may enroll in up to three middle school courses.

Courses available during the summer session will be announced during the spring semester each year via enrollment bulletins. In general, courses existing for credit retrieval will come from the following subject areas: language arts, mathematics, social studies, and some science. Courses for original credit may have suggested academic prerequisites.

TEXAS SCHOLARS PROGRAM

Texas Scholars – High School and Beyond initiative focuses students on education and career planning during middle and high school and prepares them for the transition to life after high school. To receive recognition as a Texas Scholar, students will be required to:

- Graduate from high school having completed the Recommended High School Program, and
- Complete at least two courses while in high school eligible for college credit.

The Recommended High School Program requirements include four years of four core subjects: English language arts, mathematics, science, and social studies. For more information on the Recommended High School program requirements go to the TEA website and see the graduation requirements in the appendix.

The college course credit requirement was added to encourage students to begin post secondary work while still in high school. Some examples of courses eligible for college credit are: Advanced Placement (AP) courses, International Baccalaureate courses (IB), CTE courses leading to a post-secondary certification, and dual credit /concurrent enrollment courses. **See Appendix for Advanced Academic Programming.**

U.I.L. ACADEMIC COMPETITIONS

Crowley Independent School District participates in U.I.L. Academic Competitions and other competitive events during the course of the year. Events might include: Drama, Debate, Poetry Reading, Prose Reading, Persuasive Speaking, Ready Writing, Literary Analysis, Mathematics, Science, Computer Science, Calculators, Journalism, Academic Decathlon, Current Events, Computer Applications, and others. If a student is interested in competing and would like to join a U.I.L. Academic Team, see one of the U.I.L. Academic Coordinators or any one of the Academic Coaches.

IV. ACADEMIC ACHIEVEMENT RECORD

AWARD OF CREDIT

A student earns one-half credit for each semester of a high school credit course in which he/she earns a grade of 70 or higher and meets attendance guidelines. The semester grade for every high school graduation credit/course will be used to calculate the student's Grade Point Average as well as class rank which is described below according to board policy EIC (Local).

ATTENDANCE FOR CREDIT

To receive credit in a class, a student must attend at least 90 percent of the days the class is offered. A student who attends fewer than 90 percent of the days the class is offered may be referred to the attendance review committee to determine whether there are extenuating circumstances for the absences and how the student can regain credit.

GRADE POINT AVERAGES

Crowley ISD reports two grade point averages on each student's transcript: the Straight 4.0 GPA and the Weighted/Calibrated GPA. The scales used for each GPA are shown in Appendix B. To calculate a grade point average, each semester grade for a high school graduation credit course will be compared to the appropriate scale to determine the equivalent number of grade points for that grade. The grade point average, then, is equal to the total of all grade points divided by the total number of semester grades.

The Straight 4.0 GPA is only reported to allow parents and students to view the student's grades in a manner similar to that used by many colleges/universities. In this GPA all courses taken by a student for high school graduation credit will be measured on a four-point un-calibrated scale; a four-point scale has 4.0 as the maximum value for grade points.

The Weighted/Calibrated GPA is the weighted grade point average defined by board policy EIC (Local). High school courses for graduation credit will be designated as Advanced, Dual Credit, or Regular. Courses designated as advanced and dual credit receive additional weight due to the more strenuous coursework and greater rigor of these courses. The student's weighted GPA is utilized for many different purposes including but not limited to preliminary qualification for the National Honor Society, academic honors or awards, college or scholarship applications, applications for employment or internships, and recommendations for non-district programs. This GPA is based upon a three-prong calibrated scale, one prong for each designation of courses: regular, advanced, and dual credit. A calibrated scale allows each point that a student earns to be significant in the calculation. Each of the prongs uses a

different maximum value. The regular prong is a four-point scale, the advanced prong is a five-point scale, and the dual credit prong is a 4.5-point scale.

WEIGHTED GRADES

Some courses offered in middle school and high school are considered advanced academic courses. (See Appendix C for the list of these courses) Advanced courses are identified by a more rigorous level of coursework that reaches beyond the regular course curriculum. Students who are preparing for college are encouraged to take advanced courses.

These advanced courses will receive weighted grading in the student's overall GPA which is the Weighted/Calibrated GPA but not on a report card or semester grade.

PROMOTION AND RETENTION

A student will be promoted only on the basis of academic achievement or demonstrated proficiency in the subject matter of the course or grade level. To earn credit in a course, a student must receive a grade of at least 70 based on course-level or grade-level standards.

In grades 7-8, promotion to the next grade level shall be based on an overall average of 70 on a scale of 100 based on course-level, grade-level standards (essential knowledge and skills) for all subject areas and a grade of 70 or above in three of the following areas: language arts, mathematics, science, and social studies. [For further information, see policies at EIE.]

In addition, at certain grade levels a student – with limited exceptions – will be required to pass the appropriate state assessments, if the student is enrolled in a public Texas school on any day between January 1 and the date of the first administration of the grade advancement assessments.

• Beginning with the 2007–2008 school year, in order to be promoted to grade 9, students enrolled in grade 8 must perform satisfactorily on the mathematics and the reading sections of the grade 8 assessment in English.

Parents of a student in grade 8 who does not perform satisfactorily on his or her exams will be notified that their child will participate in special instructional programs designed to improve performance. Such students will have two additional opportunities to take the test. If a student fails a second time, a grade placement committee, consisting of the principal or designee, a teacher, and the student's parent, will determine the additional special instruction the student will receive. After a third failed attempt, the student will be retained; however, the parent can appeal this decision to the committee. In order for the student to be promoted, based on standards previously established by the district, the decision of the committee must be unanimous. Whether the student is retained or promoted, an educational plan for the student will be designed to enable the student to perform at grade level by the end of the next school year.

Certain students—some with disabilities and some with limited English proficiency—may be eligible for exemptions, accommodations, or deferred testing. For more information, see the principal, counselor, or special education director.

A Personal Graduation Plan (PGP) will be prepared for any student in middle school or beyond who did not perform satisfactorily on a state-mandated assessment or is determined by the district as not likely to earn a high school diploma before the fifth school year following enrollment in grade 9. The PGP will be designed and implemented by a guidance counselor, teacher, or other staff member designated by the principal. The plan will, among other items, identify the student's educational goals, address the parent's educational expectations for the student, and outline an intensive instruction program for the student.

Grade-level advancement for students in grades 9-12 shall be earned by course credits.

CLASSIFICATION OF STUDENTS

Sophomore	6 or more state graduation credits
Junior	12 or more state graduation credits
Senior	19 or more state graduation credits

Possible mid-year reclassification of a student by an administrator may occur to allow the student with academic capabilities the option to successfully complete the Exit-level TAKS test for graduation purposes.

HIGH SCHOOL OPPORTUNITIES FOR REPEATING A FAILED COURSE

A student may repeat any course provided the student's grade earned in an earlier semester/year is below 70. Or, a senior who is currently enrolled in a course will not be able to mathematically make a 70 for graduation credit. In the event that a student earns a grade below 70 in a course required for graduation, he or she must repeat the course until a grade of 70 is earned in order to receive graduation credit. All grades and all credits attempted/earned are used to calculate the student's grade point averages, un-weighted and weighted/calibrated. Credit retrieval in CISD may occur through the following methods:

1. Credit by Exam with prior instruction (board policy EHDB)
2. Correspondence Course
3. Summer School – based on availability of courses and Credit Retrieval Fee Schedule (see Counselor)
4. Repeating the course in the following school year

5. Online Credit retrieval courses offered in the Bridges Program at Bill R. Johnson Career & Technical Education Center (with approved application to the CISD Dropout Prevention Program) – based upon available courses
6. Online Credit retrieval courses offered at the high school based upon available courses during the instructional day or before and after school-based on availability of course and Credit Retrieval Fee Schedule.

CREDIT RETRIEVAL PROGRAM

CISD utilizes an online electronic, computer based system for credit retrieval for the following:
1. Summer School
2. Bridges Program at the Bill R. Johnson Career & Technical Education Center (with approved application for enrollment in the CISD Dropout Prevention Program)
3. Opportunities at each High School campus

A fee schedule will apply for CISD high school students wishing to retrieve credit; either before or after the instructional day or during summer school. The credit retrieval fee must be paid at the time the student is enrolled in the credit retrieval program.

Students verified as being served on free/reduced lunch may use a payment plan. The first payment of 50% of total is due upon enrollment. The second payment is due within 30 days of the first payment. Students with an account balance after 45 days will be dropped from the program without awarding a final grade and forfeiture of all fees paid.

Students may request a 50% refund of this fee if they finish and pass the course on time. Appropriate paperwork from the Finance Department must be submitted by the campus in order to process a refund request.

The course completion grade for students enrolled in any Credit Retrieval Program listed above will be determined by the mastery of all assigned objectives. Upon mastery in the Credit Retrieval Program, the student will receive a completion grade of 70 for the course retrieved.

Because of the time frame required to complete the program, a maximum of two semesters of coursework may be taken during a semester**.**

CLASS RANK

Class rank is used to report a student's academic standing relative to his peers. It is used to determine honor graduates, valedictorian, and salutatorian, as well as eligibility for automatic admission to a Texas university. Class rank for seniors shall be based on a weighted grade point average using semester grades earned in grades 9-12 for state graduation credit and in any high school course taken in middle school for state graduation credit, **see Appendix G**. These semester grades shall be converted to grade points according to the District's weighted grade point scale found in Appendix B. Class rank shall be calculated for graduation at the end of the fifth six-week grading period of the senior year to determine valedictorian, salutatorian, and honor graduates. The average of the fourth and fifth six-week grades shall be used as the second semester grade for this purpose. The final calculation of class rank shall occur once all grades have been recorded and all graduation requirements have been met.

Class Rank Calculations

Class rank calculations for regular classes will use a four-point calibrated scale. A weighted point calibrated scale will be used for all high school credit courses, including those taken in middle school, for pre-advanced placement, advanced placement, gifted, dual credit, and other advanced academic.

Honor Graduates

To be eligible as an honor graduate, the student must have attended Crowley High School or North Crowley High School the last year of his or her work, entering not later than the first day of the second six-week grading period in the first semester. The student shall have completed either the Recommended or Distinguished Achievement high school program as defined in Texas Curriculum Requirements, 19 Texas Administrative Code, Chapter 74.

The class ranking process shall use a scale in averaging all regular and advanced courses taken for high school credit through the fifth six-week grading period of the senior year, except local credit courses.

All graduating students meeting all of the following criteria shall be recognized as honor graduates:

1. Rank in the top 20 percent of the graduating class;
2. Have completed the Recommended Program or Advanced/Distinguished Achievement Program; and
3. Have attended the District high school for the entire senior year, with the student entering no later than the first day of the second six-week grading period of the senior year.

Honor graduates shall be classified and recognized as follows:

1. Summa cum laude – top two percent of the graduating class, including the valedictorian and salutatorian;
2. Magna cum laude – top three to ten percent of the graduating class; and
3. Cum laude – top 11 to 20 percent of the graduating class.

The top two honor graduates shall be named based on grade point average and residency requirements:

Valedictorian – the highest GPA

Salutatorian – the second highest GPA

To be eligible for valedictorian and salutatorian honors, the student shall have attended Crowley High School or North Crowley High School from which he or she is graduating for the last two consecutive years prior to graduation. In case of a tie for valedictorian, the student with the highest numerical average shall be named valedictorian. If a tie still remains, the student with the highest overall SAT score shall be named valedictorian. Co-valedictorians shall be named if a tie still remains.

CREDIT BY EXAMINATION (CBE)

Without Prior Instruction

Credit by Exam for Advanced Placement or Acceleration

Students may receive credit for an academic subject in which the student has not received prior instruction if the student scores 90 percent or above on a criterion-referenced examination for acceleration for the applicable course. The score earned will become the grade entered on the student's transcript and will be included in the GPA. Students must have permission from the principal, counselor, or school official prior to registering for the exam. CBE cannot be used to gain eligibility for participation in extracurricular activities.

CREDIT BY EXAMINATION (CBE)

With Prior Instruction

Credit by Exam for Retrieval of Credit

To be eligible to earn credit by examination, a student shall have had prior instruction in the subject or course, as determined by the District on the basis of a review of the student's educational records. On approval of the attendance review committee, a student who has excessive absences may be permitted to earn or regain course credit through credit by examination. Credit by examination shall not be used to gain eligibility for participation in extracurricular activities. To receive credit, students shall score a grade of 70 or above on the examination. The score earned will become the grade entered on the student's transcript and will be included in the GPA.

REPORT CARDS

Written reports of absences and student grades in each class will be issued three times during each semester, once each six-week reporting period. In addition to written report cards, progress reports are issued for students failing (below 70) or nearly failing a course each three weeks between report cards. Credit is granted or denied every semester. The final grade is a cumulative average of the two semesters of full year courses with 15% being calculated from the EOC score for courses having an EOC exam.

TRANSCRIPTS

Transcripts are academic achievement records (AAR) of all classes taken for high school credit; these include courses offered at the middle school (i.e. Health, Touch Systems Data Entry, Career & Technical Education "principles" courses, Algebra 1, Geometry, Biology, Spanish 1). Grades listed on the transcript will be semester averages in each class. Every transcript will include both weighted GPA and un-weighted GPA. Both GPAs will provide useful information to students for colleges, universities, as well as scholarship applications. Class Rank will be determined using the student's weighted GPA, as described previously in the Class Rank section. Students 18 years of age or older may allow, in writing, a friend or family member to collect their previously requested transcript from the counseling office.

The AAR is used to differentiate individual accomplishments, achievements, and graduation program completion (19 TAC §74.14(a)). A standard, undifferentiated high school diploma is awarded to all students who have completed one of the three graduation programs and have either passed the required exit-level assessments or completed an alternate assessment as assigned by an admission, review, and dismissal (ARD) committee. This includes students receiving special education services who complete the graduation requirements specified in their IEPs.

V. HOW TO EARN COLLEGE CREDIT WHILE IN HIGH SCHOOL

High school students can include courses in their graduation plans that may apply toward academic and/or technical degrees at colleges and universities statewide. Students may earn college credit immediately, earn banked credit (credit to be applied at a college later) through articulation, or prepare to test-out of a college course requirement. High school courses taken for this purpose should help advance a student's career goal and/or count toward a two- or four-year college degree in the student's area of interest. Some of these types of courses, advanced placement and dual credit, have been described earlier in

this handbook. This section will explain differences to help the student understand the options.

- THE COLLEGE BOARD ADVANCED PLACEMENT (AP) PROGRAM
- COLLEGE CREDIT BY ADVANCED TECHNICAL CREDIT (ATC) PROGRAM
- DUAL CREDIT

What is Advanced Technical Credit (ATC)?

The Advanced Technical Credit (ATC) Program gives high school students a chance to receive credit at participating community colleges across Texas for taking certain enhanced technical courses during high school. The statewide articulated courses and their equivalent college courses are listed in the ATC Course Crosswalk https://www.atctexas.org . All participating community colleges have agreed to offer students credits for these courses, provided the college offers the course and the student meets certain criteria. For a high school to offer an ATC course to its students, the teacher of the course must meet the ATC teacher requirements.

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COMPARISON OF AP COURSES, ATC COURSES, AND DUAL CREDIT COURSES

Questions about Advanced Placement, Advanced Technical Credit (ATC), and Dual/Concurrent Credit Courses:

	Advanced Placement (AP)	Advanced Technical Credit (ATC)	Dual Credit
Description	1. AP courses enable high school students to participate in college-level courses while still in high school. Courses are taught by high school teachers for high school credit.	1. ATC courses can be either statewide or locally developed and lead to college credit in technical courses. Courses are taught by local high school teachers who have received specialized training.	1. Dual credit courses are college-level courses taken by high school students in which they receive college and high school credit at the same time. Courses are taught by college-approved instructors.
Eligibility	2. Each district develops its own criteria for student participation. (See the Courses and Programs section III above.)	2. Typically, courses are open to students in grades 10-12 who are in good academic standing. Students may have to pass a prerequisite course.	2. Typically, courses are open to students in grades 11-12 who are in good academic standing, overall grade average of 80 or better, and qualify for early college enrollment based upon entrance exam scores.
Grades	3. Grades for AP courses are given by the teacher. Because students are working on a college level, AP courses often are "weighted," and students may receive additional points toward their GPA, not report card grade.	3. Grades for ATC courses are awarded by the teacher, and students must make a "B" or better in the course to receive college credit.	3. Students are taught and graded in the same way as college students who take the same course. Each district determines how the grade is weighted toward the student's GPA according to district policy.
College Credit	4. In all cases, students must take an AP exam to receive college credit. The credit received is based on scores earned. Over 90% of U.S. colleges and universities as well as colleges in 20 other countries give credit for AP exams.	4. ATC course credit is awarded by the college after the student has enrolled at the college and fulfilled additional college course requirements.	4. The college or university offering the class awards college credit immediately after students successfully complete the course. Most courses will transfer to any public Texas college or university when a student earns a "C" or better.
Cost	5. AP courses are free. The cost of the exam is $89. The Texas Education Agency and College Board offer fee reductions to eligible students with financial need.	5. ATC courses are free, but students must enroll in a participating college before the credit will be awarded.	5. Students may have to pay the regular tuition and fees to enroll in the course. Tarrant County College (TCC) charges $165 per 3-credit hour course. Students with financial need may apply for college financial aid or CISD scholarship.

VI. COURSE DESCRIPTIONS - MIDDLE SCHOOL

INTRODUCTION

We believe that our efforts in the middle school will impact the most important years in a student's lifetime, for there will be few others in which he or she will encounter more growth and development.

We recognize the existence of a variety of learning styles, and we operate with the basic assumption that all students can learn. We value and encourage individual excellence and provide all students with opportunities to succeed. This approach is inherent in our curriculum and the methodologies we use. The highest quality of learning takes place when a student is actively and fully involved in the educational experience. This occurs when students attend school regularly, are well prepared for each class, maintain a positive attitude, and meet our behavioral expectations. We expect all students to give their best and excel in critical inquiry, creative thinking, clear communication, and a commitment to excellence.

Our middle schools prepare students with the skills and knowledge necessary for success now and later in life. We hope that upon leaving middle school, students will see their education as an ongoing process and not as an end in itself.

On Making Course Selections

We encourage you to conscientiously review this handbook and carefully consider the various course selections. Selecting the proper courses to coincide with your future plans as well as your present academic abilities is important to your later achievements. School personnel are available to work with students and parents to clarify or answer questions and to ensure that each student has a plan of study suitable for their individual needs and preferences. Generally, requests for changes will be denied as the decisions students and their parents make at the time of course selection determine the number of sections of classes and the assignment of teachers.

Pre-AP Cautionary Note to Students and Parents: Pre-AP courses in are intended to prepare students for success in advanced course work in the high school setting. As such, the work is more in depth and requires a greater time and effort commitment by the student than the normal course work. The student's success will be directly related to their personal investment, therefore, while all students may participate, students who do not invest the time and effort will struggle to be successful in such a program. We strongly suggest that the student and parent make this decision carefully and deliberately. If during the course of the year, the teacher feels that it is in the best interest of the student academically or emotionally to change from this course of study, they will discuss their concerns with the parent, student, and counselor and offer recommendations regarding the student's continued placement. **See Appendix for Advanced Academic Programming.**

REQUIRED COURSES for Seventh Grade

Physical Education or Athletics is required for all seventh grade students. PE Waivers or Exemptions are not allowed for Middle School students.

ENGLISH LANGUAGE ARTS AND READING 7

This program for seventh graders is designed to give the students a solid foundation in English. Composition, literature, and grammar are studied throughout the year in both independent and integrated units. In composition, the focus is on the writing skills necessary for effective communication. The literature section allows the students to discuss and study poetry, a novel, selected short stories, and folk literature. Grammar units concentrate on the basic parts of speech, parts of the sentence, capitalization, and punctuation. Overall, this program provides a well-rounded and in-depth look at language arts.

Grade Placement 7 = 1 year
Prerequisite : None

PRE-AP ENGLISH LANGUAGE ARTS AND READING 7

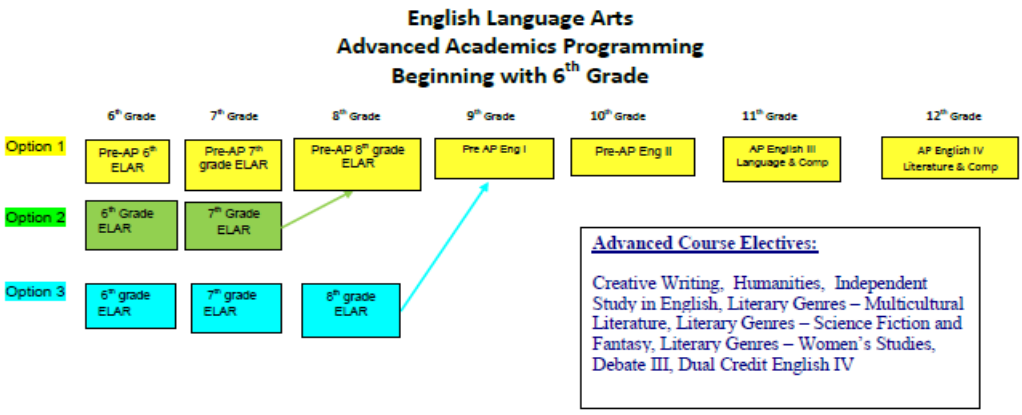
Grade 7 students follow the same scope and sequence as students in the regular English language arts and reading class and will focus on the same units of study; however, students will have opportunities to expand and enrich the study through depth and complexity of assignments, problem solving, simulations, and independent research as appropriate.

Grade Placement 7 = 1 year
Suggested Prerequisite: Sixth grade ELAR average of 75 or higher and Reading score on the state assessment equivalent to 70% or more.

READING LAB 7

Will be required for any student who did not meet expectations on the sixth grade reading state assessment. These students will be required to take this one year course. *This will take the place of an elective.*

Grade Placement 7 = 1 year
Prerequisite: None



MATHEMATICS 7

This course reviews basic computational skills with whole numbers, fractions and decimals. New skills re-developed in integers, percents and equations. Concept areas include number theory, ratio and proportion, metric and customary measurement, probability and statistics. The broad area of geometry is investigated through vocabulary, construction, perimeter, area, surface area and volume. A major emphasis carried through all studies is problem solving.

Grade Placement 7 = 1 year
Prerequisite: None

PRE-AP MATH 7

This is an accelerated course in math for those who desire a more challenging curriculum. It follows the same sequence as the Math 8 and students will learn the TEKS (Texas Essential Knowledge and Skills) for both Math 7 and Math 8.

Grade Placement 7 = 1 year
Suggested Prerequisite: Sixth grade Math average of 75 or higher and Math score on the state assessment equivalent to 70% or more.

MATH ENRICHMENT

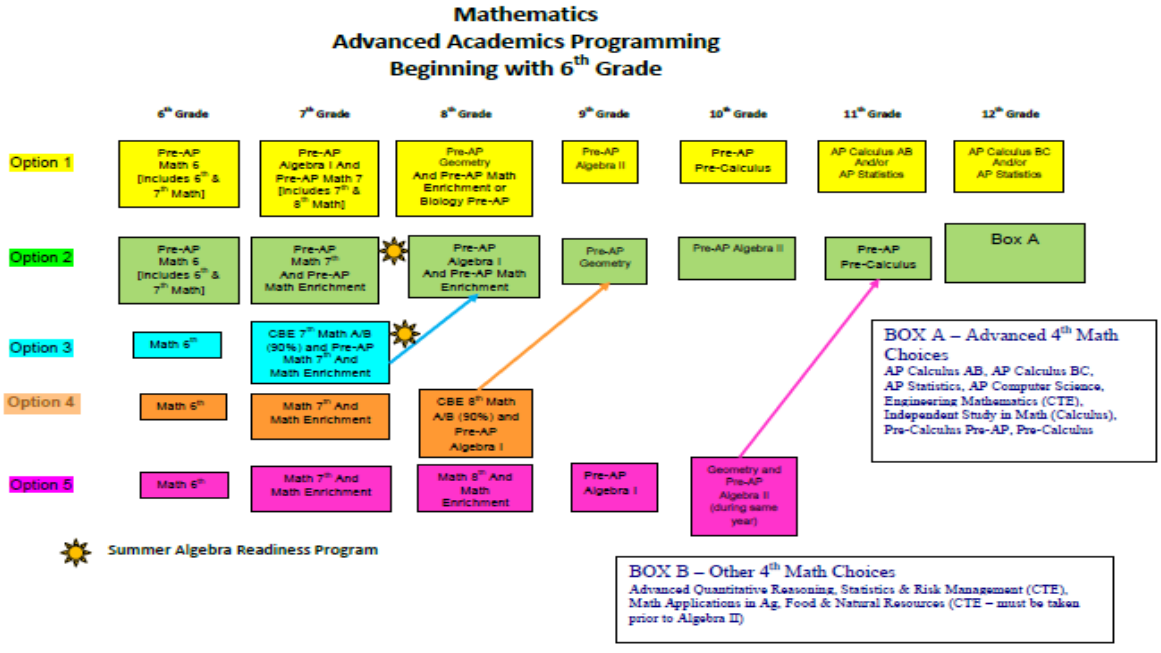
Will be required for all. **Each enrichment course will be designed to support and enhance the content of the student's math class.**

Grade Placement 7 = 1 year
Prerequisite: None

PRE-AP ALGEBRA I (02220175 HIGH SCHOOL 1 CREDIT)

Is designed for those students who intend to take calculus at high school. Upon successful completion of this course, the student will receive a high school credit for Algebra I. Using as its foundation the study of the subsets of the real numbers the student has encountered in previous mathematics courses, Algebra I continues with a systematic development of the real numbers. By using definitions, axioms, theorems, and concepts of logic, students will study algebra as a structured system. Algebra I provides a foundation for higher level mathematics courses. *Pre-AP Algebra I will replace the required Math Enrichment course.*

Grade Placement 7 = 1 year, 1 credit
Suggested Prerequisite: Pre-AP Math 6 average of 75 or higher *See* ***cautionary note in the Pre-AP section, page 5***
Prerequisite: None



SCIENCE 7

A coordinated class that covers the life, earth and physical sciences. Safe lab practices and use of the scientific methods are used in the many labs. Subjects covered include matter, periodic table, force in motion, work and machines, biology in living organisms, genetics, environmental interactions, and earth, and sun, and moon.

Grade Placement 7 = 1 year

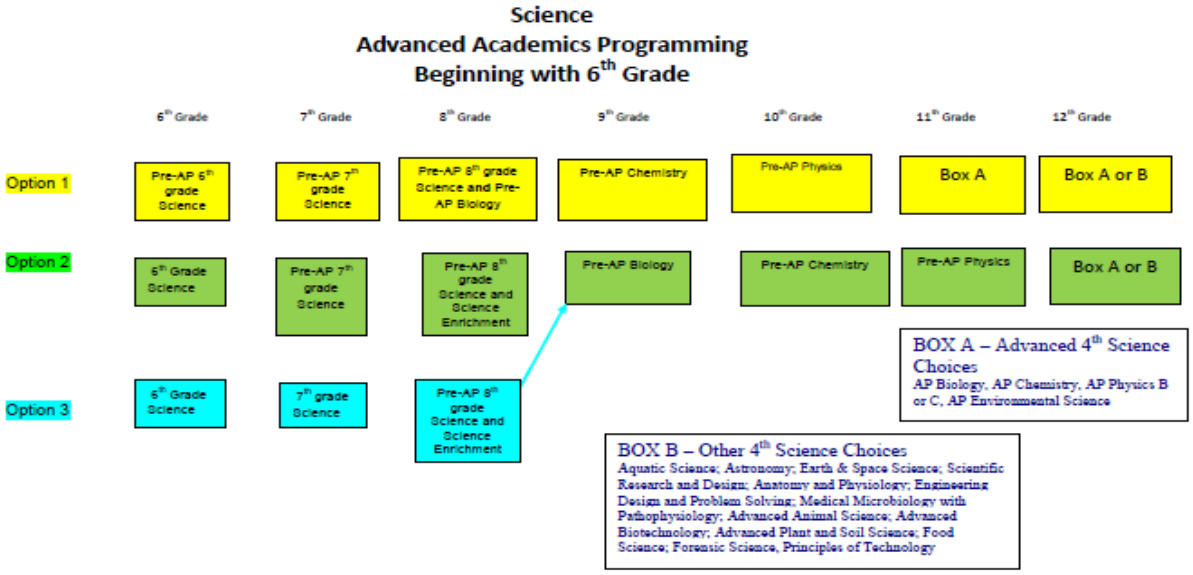
Prerequisite: None

PRE-AP SCIENCE 7

This is an accelerated course in science for those who desire a more challenging curriculum. It follows the same scope and sequence as the regular Science 7

Grade Placement 7 = 1 year

Suggested Prerequisite: Sixth grade Science average of 75 or higher and 5th grade Science score on the state assessment equivalent to 70% or more.



SOCIAL STUDIES 7 (TEXAS HISTORY)

This course is a study of the history, geography, and development of the state of Texas from pre-historic years to the present. It emphasizes such concepts as the geographic makeup of Texas, its cultural diversity, its fight for independence and statehood, and its government.

Grade Placement 7 = 1 year

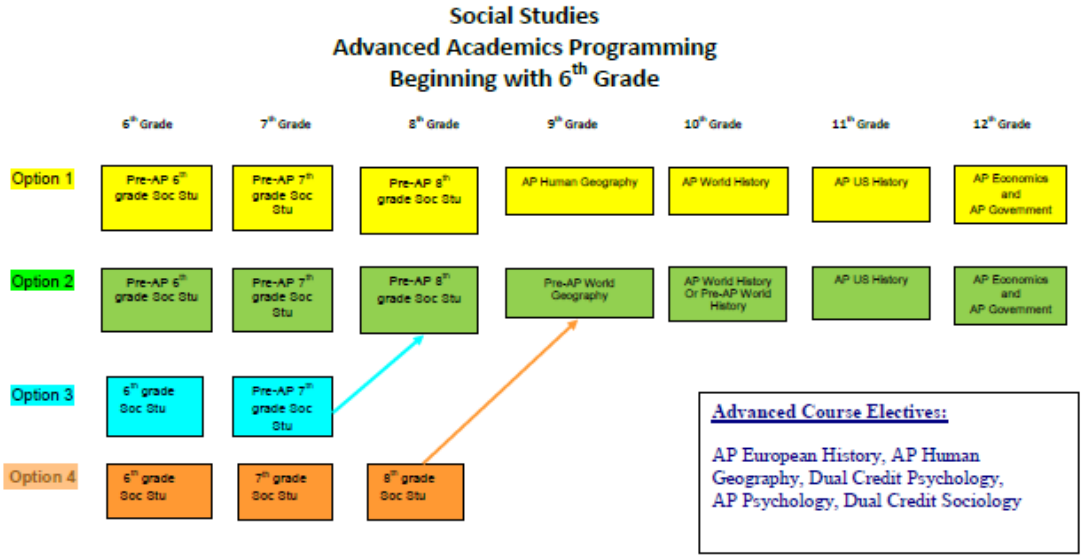
Prerequisite: None

PRE-AP TEXAS HISTORY 7

Students follow the same scope and sequence as students in the regular Texas History class and will focus on the same units of study; however, students will have opportunities to expand and enrich the study of the history of Texas through depth and complexity of assignments, problem solving, simulations, and independent research as appropriate. Students should have strong reading skills since this course involves reading in depth.

Grade Placement 7 = 1 year

Suggested Prerequisite: Sixth grade Social Studies average of 75 or higher, 6th grade Reading score on the state assessment equivalent to 70% or more and 4th grade Writing Essay score of 2 or higher.



PHYSICAL EDUCATION 7

Many different activities make up the physical education program. Included in these activities are volleyball, soccer, flag football, softball, basketball, gym hockey, gym bowling, weightlifting, aerobics/slimnastics, and badminton. Students interested in Athletic competition will have scheduled opportunities to try-out for athletic teams. Before/after school and weekend participation is required for athletic participation, as well as a physical examination, and extra expense may also be involved.

Grade Placement 7 = 1 year
Prerequisite: None

ATHLETICS 7

The boys' athletic program includes football, basketball, and track, while the girls' athletic program consists of volleyball, basketball, and track. Both boys and girls may choose to participate in Cross Country in the fall semester. When not participating in the sport, all other athletes will be in an off-season program of physical conditioning and other related sports activities. Participation in athletics requires physical coordination, self-discipline, dedication. Athletes compete against other schools in games, tournaments, and meets. Before/after school participation is required, and extra expense may also be involved. **Students enrolled in the Athletics class are expected to try out for at least two sports including Track**

Grade Placement 8 = 1 year
Prerequisite: Tryout and selection as well as A PHYSICAL EXAM and GRADE ELIGIBILITY are required.

COMMUNICATION THROUGH WRITING

Communication makes the world go round. In school and in your personal life, effective communication is something that every person can achieve. Good communication and good articulation brings self-confidence. In this course students will develop skills for writing in a variety of areas such as researching topics and writing essays, reports or proposals, writing with voice and style for many audiences, writing persuasively in preparation for speeches, as well as writing for scientific reports. *This course is paired with Exploring Careers.*

Grade Placement 7 = 1 semester
Prerequisite: None

EXPLORING CAREERS

In this course, students will use decision-making and problem-solving skills for college and career planning. Students will explore valid, reliable educational and career information to learn more about themselves and their interests and abilities. They will integrate skills from academic subjects, information technology, and interpersonal communication to make informed decisions. This course is designed to guide students through the process of investigation and in the development of a college and career achievement plan. Students will use interest inventory software or other tools to explore areas of personal interest. Students will use this information to explore educational requirements for a variety of chosen career paths.

This course is paired with Communication Through Writing.

Grade Placement 7 = 1 semester
Prerequisite: None

REQUIRED COURSES FOR EIGHTH GRADE

A reminder that grades earned in courses identified as high school credit will impact the student's GPA (grade point average) and class rank on their high school transcript reported to colleges.

ENGLISH LANGUAGE ARTS AND READING 8

This program is designed to emphasize the oral and written communication skills of all students. The general areas include extensive writing for a variety of audiences and purposes, language usage and expression (written and oral), and literature appreciation and analysis. All of these areas are designed to prepare the student for language arts in the high school and improve their test scores in the language arts areas.

Grade Placement 8 = 1 year
Prerequisite: None

PRE-AP ENGLISH LANGUAGE ARTS AND READING 8

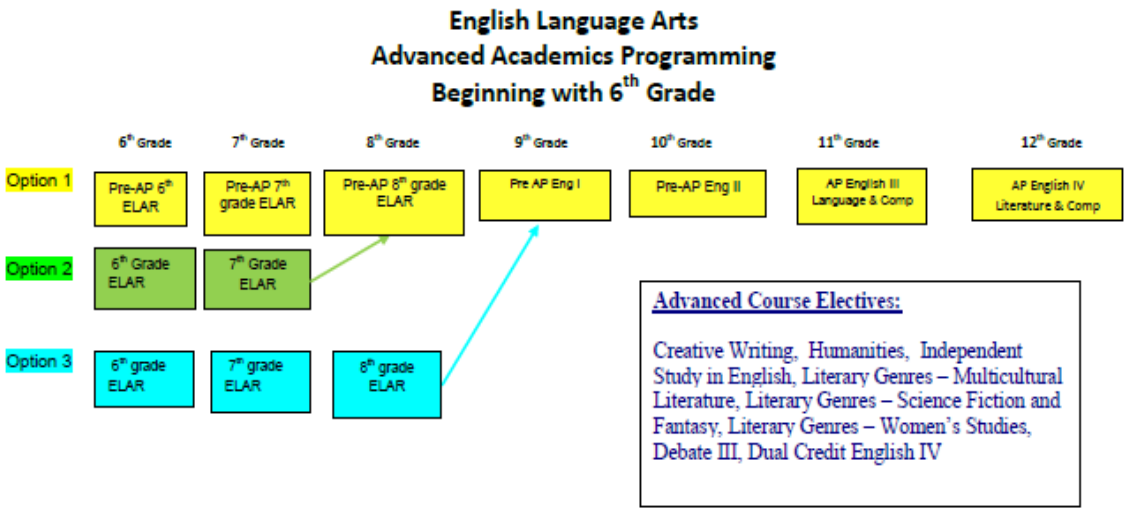
Follows the same scope and sequence as students in the regular English language arts and reading class and will focus on the same units of study; however, Pre-AP students will have opportunities to expand and enrich the study through depth and complexity of assignments, problem solving, simulations, and independent research as appropriate. Students should have strong reading skills since this course involves reading in depth.

Grade Placement 8 = 1 year
Suggested Prerequisite: Seventh grade ELAR average of 75 or higher and Reading score on the state assessment equivalent to 70% or more. *See **cautionary note in the Pre-AP section, page 5.***

READING LAB 8

Will be required for any 8th grade student who did not meet expectations on the seventh grade Reading. **THIS WILL TAKE THE PLACE OF ONE EIGHTH-GRADE ELECTIVE.**

Grade Placement 8 = 1 year
Prerequisite: None



MATHEMATICS 8

Is a pre-algebra course that pursues a deeper and more extensive development of numbers, fractions, and decimals. New skills are developed in integers, percents proportion, metric and customary measurement, and probability and statistics. The broad area of geometry is investigated through vocabulary, construction, perimeter, area, surface area, and volume. A major emphasis carried through all studies is problem solving from an algebraic stand point and cooperative learning.

Grade Placement 8 = 1 year
Prerequisite: None

PRE-AP MATH 8

Follows the same curriculum as Math 8, at a faster pace and more in depth. This course will require greater time, effort, and commitment by the student.

Grade Placement 8 = 1 year
Suggested Prerequisite: Seventh grade Math average of 75 or higher and Math score on the state assessment equivalent to 70% or more. *See **cautionary note in the Pre-AP section, page 5.***

PRE-AP ALGEBRA I (02220175 **HIGH SCHOOL 1 CREDIT)**

Is designed for those students who intend to take calculus at high school. Upon successful completion of this course, the student will receive a high school credit for Algebra I. Using as its foundation the study of the subsets of the real numbers the student has encountered in previous mathematics courses, Algebra I continues with a systematic development of the real numbers. By using definitions, axioms, theorems, and concepts of logic, students will study algebra as a structured system. Algebra I provides a foundation for higher level mathematics courses.

Grade Placement 8 = 1 year, 1 credit
Suggested Prerequisite: Pre-AP Math 7 average of 75 or higher or earn 90% on Credit by Exam for 8th grade Math *See **cautionary note in the Pre-AP section, page 5***
Prerequisite: None

MATH ENRICHMENT

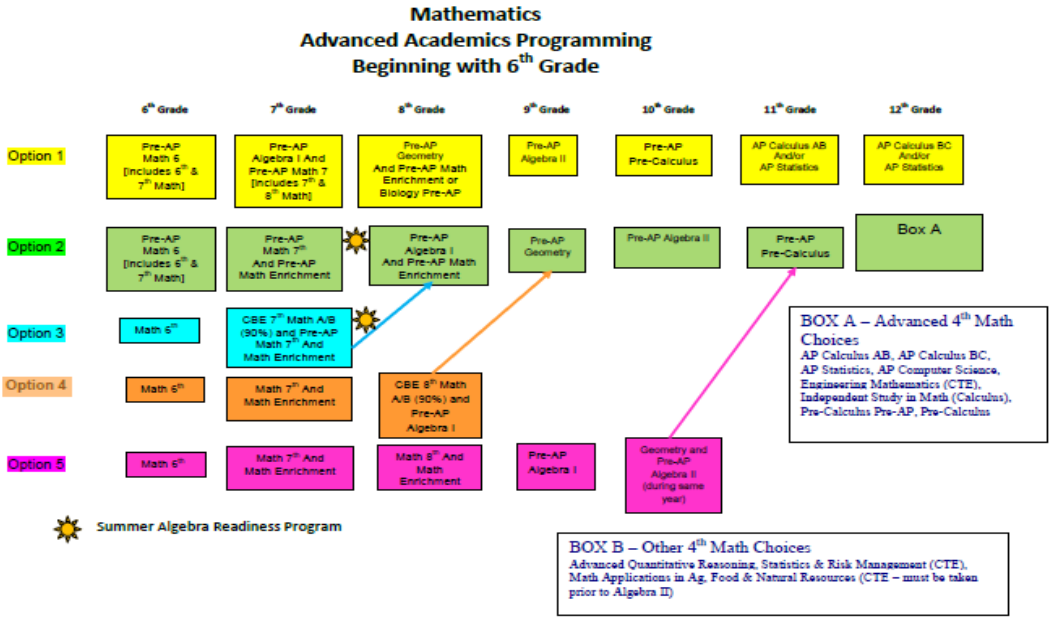
Will be required for all 8th grade students**. Each enrichment course will be designed to support and enhance the content of the student's math class. *This course will be paired with Science Enrichment.***

Grade Placement 8 = 1 semester
Prerequisite: None

GEOMETRY PRE-AP

This course is designed for students who have already taken Algebra in the 8th grade. In addition to the concepts covered in the regular geometry course, this course will look into the geometry of circles in more depth and possibly study some non-Euclidean geometry. Gifted students may be challenged with various projects to accompany topics addressed in geometry. Students should maintain a grade of 85 to remain in Pre-AP Geometry.

Grade Placement 8 = 1 credit
Prerequisite: Pre-AP Algebra I



SCIENCE 8

Is a developmentally appropriate laboratory/field/ lecture course coordinating instruction in biology, chemistry, physics, and earth/space science. The earth/space science unit introduces students to the study of the composition, structure, and processes of the earth, its geologic history, and its place in the universe. The four major branches of earth science that will be presented are geology, meteorology, oceanography and astronomy.

Grade Placement 8 = 1 year
Prerequisite: None

PRE-AP SCIENCE 8

Follows the same curriculum as Science 8, at a faster pace and more in depth. This course will require greater time, effort, and commitment by the student.

Grade Placement 8 = 1 year
Suggested Prerequisite: Seventh grade Science average of 75 or higher and 5th grade Science score on the state assessment equivalent to 70% or more. *See **cautionary note in the Pre-AP section, page 5.***

SCIENCE ENRICHMENT

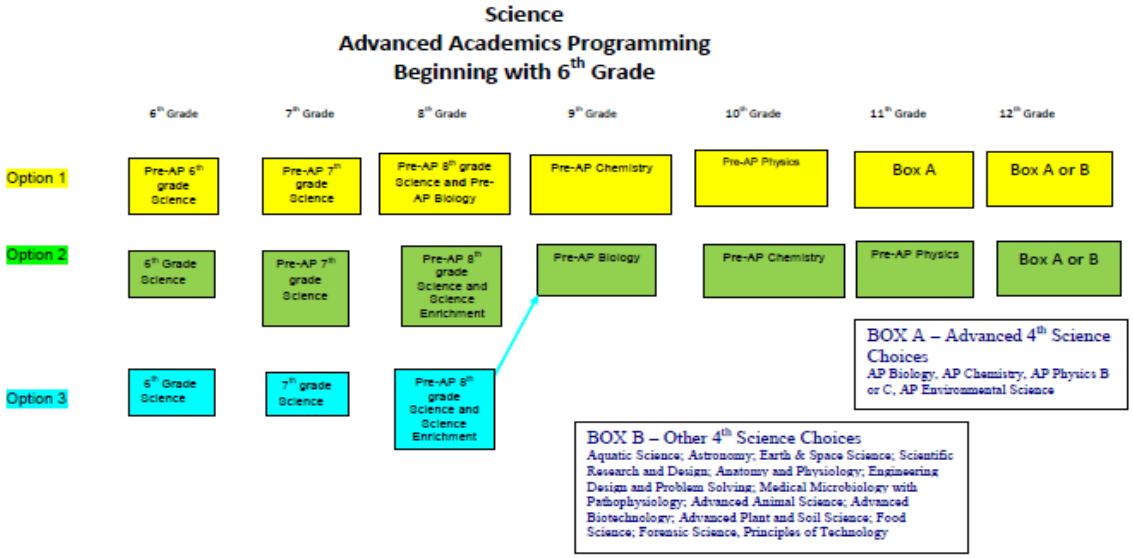
Will be required for all 8th grade students.**. Each enrichment course will be designed to support and enhance the content of the student's science class. *This course will be paired with Math Enrichment.***

Grade Placement 8 = 1 semester
Prerequisite: None

BIOLOGY PRE-AP

This course covers the same content as Biology but in more depth and detail. Students experience lab work which includes detailed observation, accurate recording, data interpretation, statistical analysis, and operation of technical equipment. Students will be expected to do projects outside of class. Students should maintain a grade of 85 to remain in Pre-AP Biology. *Pre-AP Biology will replace the Math and Science Enrichment.*

Grade Placement 8 = 1 credit
Prerequisite: None



SOCIAL STUDIES (AMERICAN HISTORY) 8

This course is a study of the development of the United States of America beginning with pre-historic America through the Civil War and Reconstruction period. It emphasizes such themes as democracy, constitutional government, geography, cultural diversity, economic development, and individual responsibility. Students should have strong reading skills since this course involves reading in depth.

Grade Placement 8 = 1 year

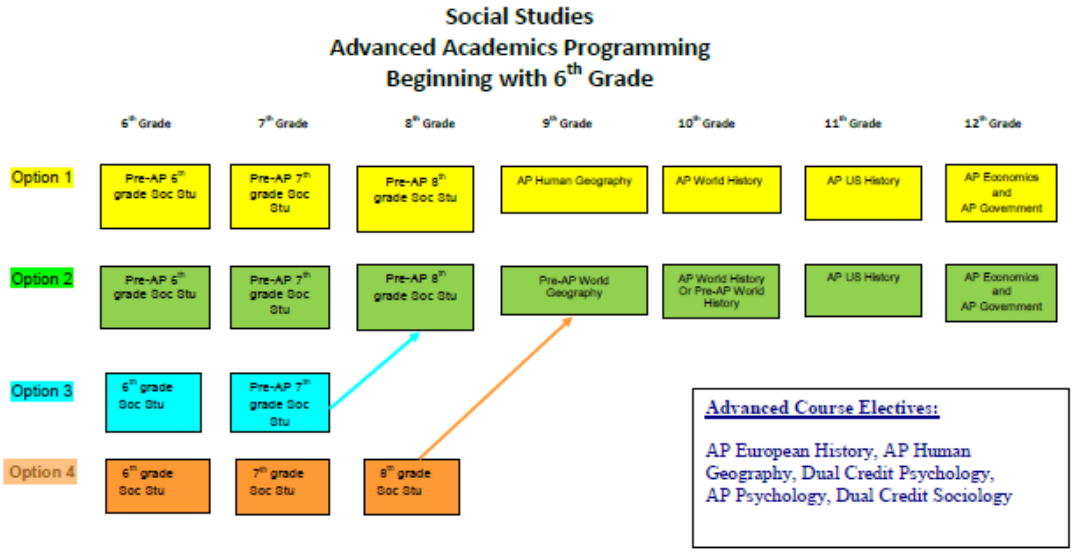
Prerequisite: None

PRE-AP AMERICAN HISTORY GRADE 8

This Pre-AP course will follow the same topics of study that are contained in the regular Grade 8 curriculum including the history, geography, government, and economics of the United States from the early Colonial Period through the Reconstruction Period. Pre-AP students will focus on unit topics and concepts in greater depth and complexity and on the analysis of historical trends and principles.

Grade Placement 8 = 1 year

Suggested Prerequisite: Seventh grade Texas History average of 75 or higher, 7th grade Reading score on the state assessment equivalent to 70% or more and 7th grade Writing Essay score of 2 or higher. *See **cautionary note in the Pre-AP section, page 5.***



HEALTH (08220100 **HIGH SCHOOL ½ CREDIT)**

Is a study of the concepts and skills that foster individual personal health and safety, interaction between individuals, and the skills that affect the well-being of people collectively. Areas of study include mental and social health, body systems, nutrition, fitness, life stages, drugs, diseases, safety, and first aid. *This course is paired with Touch Systems Data Entry.*

Grade Placement 8 = 1 semester, 1/2 credit

Prerequisite: None

TOUCH SYSTEMS DATA ENTRY (07082010 **HIGH SCHOOL ½ CREDIT**)

This course is designed to teach students the computer keyboard by touch. Students will enhance reading, writing, computing, communications, and reasoning skills and apply them to the business environment. It will enable students to format school assignments more quickly and accurately plus experience a greater degree of success in more advanced computer courses. *This course is paired with Health*.

Grade Placement 8 = 1 semester, 1/2 credit

Prerequisite: None

MIDDLE SCHOOL ELECTIVE COURSES

For 7th or 8th Grade

(Courses may be limited to a specific grade level as indicated)

THE CHOICE MADE NOW WILL BE CONSIDERED FINAL. BY SIGNING THE COURSE SELECTION FORM, YOU UNDERSTAND THAT THE ELECTIVE CHOICE MADE IS FINAL.

Students may take Theater or Exploratory Languages during their seventh grade or their eighth grade year, not both.

PRINCIPLES OF BUSINESS, MARKETING & FINANCE (07082005 **high school ½ credit)**

Principles of Business, Marketing & Finance is designed to introduce learners to the various careers available within the Business, Management & Administration, Marketing, and Finance career cluster. Business touches everything in your world. It's behind the food you eat, the vehicles you drive, the clothes you wear—every product or service you consume is the result of a business somewhere organizing the people, money, materials, and other resources to deliver that product or service to you. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

Grade Placement 8-12 = 1 semester, 1/2 credit

Prerequisite: None this is the first course in the Business Admin & Mgt, the Finance, and the Marketing, Sales & Services clusters

PRINCIPLES OF ARTS, A/V TECHNOLOGY & COMMUNICATIONS (07084000 **high school ½ credit)**
Principles of Arts, A/V Technology & Communications is designed to introduce learners to the various careers available within the Arts, A/V Technology & Communications career cluster. People who work in the Arts, A/V Technology & Communications cluster may entertain and inform through an ever-growing array of new media forms such as cell phone ringtones, text messaging, and shared online videos. A world of audio-visual technology and communications professionals—including fashion designers, website designers, video game programmers, and multimedia artists—makes it all possible. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.
Grade Placement 8-12 =1 semester, 1/2 credit
Prerequisite: None, this is the first course in the Arts, A/V Technology & Communication cluster

PRINCIPLES OF HOSPITALITY AND TOURISM (07085000 **high school ½ credit)**
This course is designed to introduce learners to the various careers available within the Hospitality & Tourism career cluster. Whether chefs or concierges, travel agents or tour guides, park rangers or players for sports teams; the professionals in this cluster are experts at pleasing the public. If you want to see the world, enjoy serving others, or dream of opening a restaurant or bed and breakfast someday, then Hospitality & Tourism may be the right cluster for you. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.
Grade Placement 8-10 =1 semester, 1/2 credit
Prerequisite: None, this is the first course in the Hospitality & Tourism cluster

PRINCIPLES OF HUMAN SERVICES (07083000 **high school ½ credit)**
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. This is a first course for a career pathway in Child Development, Health Science, and Cosmetology.
Grade Placement 8-10 =1 semester, 1/2 credit
Prerequisite: None, this is the first course in the Human Services cluster

ART 7 OR 8
Includes art studies in drawing, color theory, sculpting, ceramics, crafts, and textiles. There is an overall concentration in each unit on creative expression and the use of your imagination throughout the semester course.
Grade Placement 7 or 8 = 1 year
Prerequisite: None

ADVANCED ART 8
Students will design, develop and create original art works and further develop the various media skills they acquired in 7th grade art. Students could use the knowledge they gained through creating art works to understand aesthetic values, and to be able to participate in class discussions. Students will investigate information about artists, art heritage and art history. This course is limited to 28 students approved by the art teacher. This is a year-long course. Art skills, enthusiasm for art, a prerequisite of Art 7, art grades and citizenship of the students are used in consideration for approval.
Grade Placement 8 = 1 year
Prerequisite: Art 7

BEGINNING BAND 7
Meets during the regular school day. There will be occasional after school band rehearsals. The band will perform in four or more concerts in conjunction with the Eighth Grade Band. The financial responsibility of student instruments will be that of the parent/guardian. This elective is a one-year course.
Grade Placement 7 = 1 year
Prerequisite: None

BAND 8
Is for students who have the ability to perform Grade I UIL band literature. These students perform in four or more concerts during the year and compete in a UIL concert and sight reading contest. Financial responsibility for the instrument will be that of the parent.
Grade Placement 8 = 1 year
Prerequisite: Prior music experience

CHOIR 7 & 8
Is a non-auditioned vocal music organization. These students perform in four or more concerts a year. Students have the opportunity to audition for Region VII Honor Choir and UIL Solo/Ensemble contests. The choirs also compete in UIL Contest/Sight Reading and other festivals. The class focuses on music reading skills and vocal production. The choir also does community activities and public performances. If scheduling permits, our choral philosophy supports a class for boys; however, both girls and boys perform together.
Grade Placement 7, 8 = 1 year
Prerequisite: None

LIBRARY/OFFICE STUDENT AIDE 8
Is based on approval after application and/or interview with the student. It involves assisting in the office or library. Students assist with duties that relate to the individual they work for as an aide. Grades, citizenship, and enthusiasm of the students are used in consideration for approval. Limited enrollment
Grade Placement 8 = 1 year
Prerequisite: Application and interview

INTRODUCTION TO PUBLIC SPEAKING
Communication is an integral part of our society, our culture, and our academic lives. Students should develop effective communication to prepare for social and civic interactions and professional roles. To become a competent communicator, each student will develop and apply skills in using oral language, nonverbal communication, and listening skills in interpersonal, groups, academic, and public contexts. This course is a great pair for Teen Leadership.
Grade Placement 7 or 8 = 1 semester

Prerequisite: None

EXPLORATORY LANGUAGES OTHER THAN ENGLISH

Is a "highly recommended elective" for students who wish "to explore" languages other than English prior to determining which foreign language they wish to pursue on their high school diploma plan. This course will introduce the student to the study of other languages (French, German, and Spanish) by using age-appropriate activities that present selected aspects of these languages and cultures. Students will learn and develop study skills plus very basic language and communicative skills. This is not a high school credit course.

Grade Placement 7 or 8 = 1 year

Prerequisite: None

PHYSICAL EDUCATION 8

Is a continuation of 7th grade physical education (volleyball, soccer, flag football, softball, basketball, gym hockey, gym bowling, weightlifting, aerobics/slimnastics, and badminton) with increased emphasis on physical fitness and cardiovascular endurance activities.

Grade Placement 8 = 1 year

Prerequisite: None

ATHLETICS 8

The boys' athletic program includes football, basketball, and track, while the girls' athletic program consists of volleyball, basketball, and track. Both boys and girls may choose to participate in Cross Country in the fall semester. When not participating in the sport, all other athletes will be in an off-season program of physical conditioning and other related sports activities. Participation in athletics requires physical coordination, self-discipline, dedication. Athletes compete against other schools in games, tournaments, and meets. Before/after school participation is required, and extra expense may also be involved. **Students enrolled in the Athletics class are expected to try out for at least two sports including Track**

Grade Placement 8 = 1 year

Prerequisite: Tryout and selection as well as A PHYSICAL EXAM and GRADE ELIGIBILITY are required.

SPANISH I (05224100 **HIGH SCHOOL 1 CREDIT**)

Spanish I in the eighth grade is designed for those students who will pursue AP Spanish Language and Literature in high school. This course has a strong emphasis on listening and speaking. However, reading and writing are quickly introduced. Upon completion of this course, students should be able to understand and carry on simple conversations based on greeting, introduction, family, home, school, daily routine, shopping, etc. They should know the basic elements of grammar and be able to read and write what they can say. **Crowley ISD recommends that a student have a 7th grade English Language Arts and Reading grade of 90 or above in order to qualify for this elective**. Note: Students will have other opportunities to earn graduation credit in a language other than English.

Grade Placement 8 = 1 year, 1 credit

Prerequisite: 7th grade English Language Arts and Reading grade of 90 or above

THEATER 7 OR 8

Is a one year course with total emphasis on communication. During the first semester, students concentrate on listening skills, developing self-esteem, group communication and public speaking. The second semester will find students working on oral interpretation, pantomime, improvisation, and play production, as well as UIL preparation.

Grade Placement 7 or 8 = 1 year

Prerequisite: None

TEEN LEADERSHIP

Students in the Teen Leadership program develop leadership, professional, and business skills. They learn to develop a healthy self-concept, healthy relationships, communications skills, an understanding of personal image, and an understanding of the effects of peer pressure and develop skills to counter-act these effects. They also learn to understand the concept of personal responsibility, parenting and citizenship. They develop understandings of Emotional Intelligences and the skills it measures, which include self-awareness, self-control, self-motivation, and social skills. This course is a great pair for Introduction to Public Speaking.

Grade Placement 7 or 8 = 1 semester

Prerequisite: Application and selection

TENNIS TEAM

Is offered as an after school program. Parents will pick up students after the practice. Students will follow University Interscholastic Rules for competition and eligibility. Tennis competition season takes place in the fall and spring. The student is responsible for supplying his/her equipment and workout apparel.

Grade Placement 7, 8 = 1 year

Prerequisite: A PHYSICAL EXAM and GRADE ELIGIBILITY are required.

AVID – 8 -- AVID stands for Advancement via Individual Determination: AVID 8 is a preparation for the ninth- through twelfth-grade system to prepare students in the academic middle — B, C, and even D students — who have the desire to go to college and the willingness to work hard. These are students who are capable of completing rigorous curriculum but are falling short of their potential. Typically, they will be the first in their families to attend college. AVID pulls these students out of unchallenging courses and puts them on the college track: acceleration instead of remediation.

Grade Placement 8 = 1 year

Prerequisite: Application and selection

EXAMPLE COURSE SELECTION FOR MIDDLE SCHOOL

Each student will be enrolled in 8 courses.
See Appendix for Advanced Academic Programming.

Seventh Grade
English Language Arts 7
Math 7
Science 7
Texas History
Math Enrichment
PE or Athletics – complete at least two courses between grades 6-8
Communicating Through Writing and Exploring Careers
Fine Arts – complete at least one course required for grades 6-8 for example Beginning Band OR Art OR Choir OR Theater OR if Fine Arts requirement is fulfilled, may select Exploratory Languages

Eighth Grade
English Language Arts 8
Math 8
Science 8
US History
Math Enrichment and Science Enrichment
Health and Touch Systems Data Entry
Electives – (Select 2)
for example PE or Athletics OR Band 8 OR Art/Advanced Art OR Choir OR Exploratory Languages OR Theater OR Principles of Human Services and Principles of Hospitality & Tourism

VI. COURSE DESCRIPTIONS – NINTH GRADE CAMPUS

INTRODUCTION

Our goal as a Ninth Grade Campus is to create a smaller, more personal learning community that offers students opportunities to be successful academically, socially, emotionally and morally while continuing on the path of lifelong learning.

Entering high school can be a difficult transition for many students. The ninth grade campus is designed to provide more structure and support as students move to the next level, affording them opportunities to accept increased responsibility for themselves, their peers and their community.

LANGUAGE ARTS

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL) I

This course provides listening, speaking, reading, and writing activities from simple to complex in order to increase the students' comprehension and ability to express themselves. The focus will be on grammar and literature for the grade level. **This course is designed for students who are speakers of other languages who have limited English skills, have immigrant status, and have been in the United States less than three years.**

Grade Placement 9 = 1 credit

Prerequisite: Qualify through testing and immigrant status

ENGLISH I

This course covers the literary genres of poetry, plays, short stories, nonfiction, and novels; grammar and writing techniques are also stressed. Students learn the basic steps of MLA documentation and research methods. SAT vocabulary will be an on-going study.

Grade Placement 9 = 1 credit

Prerequisite: None

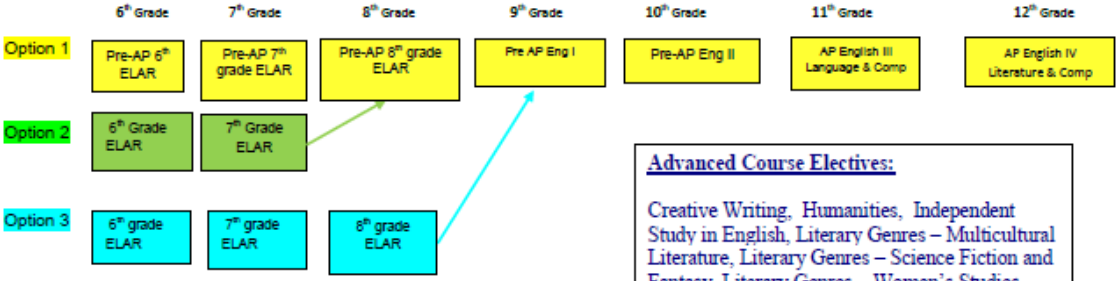
ENGLISH I PRE-AP

This course prepares students for other courses in the high school's Advanced Placement Program. The focus of study is on literature as well as grammar and writing techniques. Analytical thinking is encouraged through both discussions and writing assignments. This course also introduces literary analysis terms and strategies, which help prepare students for Advanced Placement classes. SAT vocabulary will be an on-going study. Students should maintain a grade of 85 to remain in Pre-AP English. Students should complete the summer reading list prior to the beginning of school.

Grade Placement 9 = 1 credit

Prerequisite: None

English Language Arts
Advanced Academics Programming
Beginning with 6th Grade



Advanced Course Electives:

Creative Writing, Humanities, Independent Study in English, Literary Genres – Multicultural Literature, Literary Genres – Science Fiction and Fantasy, Literary Genres – Women's Studies, Debate III, Dual Credit English IV

MATHEMATICS

ALGEBRA I

Using as its foundation the study of the subsets of the real numbers the student has encountered in previous mathematics courses, Algebra I continues with a systematic development of the real numbers. By using definitions, axioms, theorems, and concepts of logic, students will study algebra as a structured system. Algebra l is the standard course for students who are on grade level. It provides a foundation for higher level mathematics courses.

Grade Placement 9 = 1 credit

Prerequisite: None

PRE-AP ALGEBRA I

This course covers the same content as Algebra I but in more depth and detail.By using definitions, axioms, theorems, and concepts of logic, students will study algebra as a structured system. Algebra I Pre-AP provides a foundation for higher level AP mathematics courses. Students should maintain a grade of 85 to remain in Pre-AP Algebra I.

Grade Placement 9 = 1 credit

Prerequisite: None

ALGEBRA LAB (1 LOCAL CREDIT)

Algebra Lab is a program designed for students who are more than one year below grade level on a standardized achievement test and failed to demonstrate mastery on one or more areas of the most recent state assessment test. The course will cover the same material as Algebra I; however, the pace of the class will be geared to allow for mastery of the material. Abstract concepts will be introduced through the use of manipulatives. Successful completion of the course will result in 1 local credit for the Lab. *Local credits will not be used in calculating GPA.*

Grade Placement 9 = 1 local credit
Prerequisite: None

GEOMETRY PRE-AP

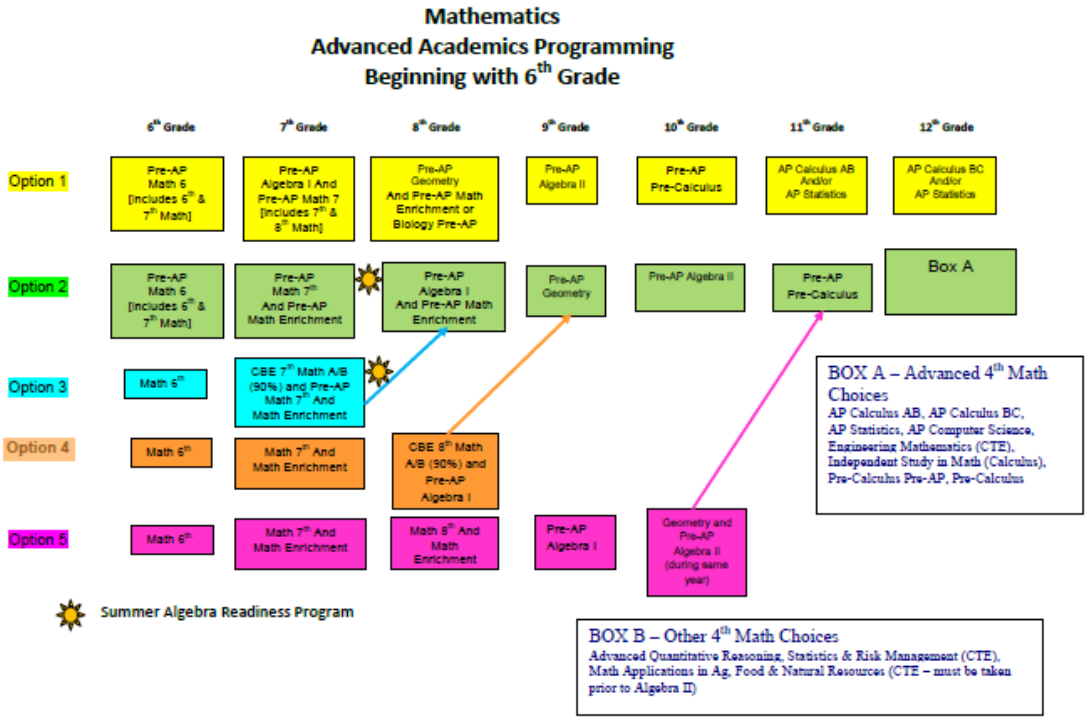
This course is designed for students who have already taken Algebra in the 8th grade. In addition to the concepts covered in the regular geometry course, this course will look into the geometry of circles in more depth and possibly study some non-Euclidean geometry. Gifted students may be challenged with various projects to accompany topics addressed in geometry. Students should maintain a grade of 85 to remain in Pre-AP Geometry.

Grade Placement 9 = 1 credit
Prerequisite: Algebra I

ALGEBRA II PRE-AP

Pre-AP Algebra II is a course designed for the student who has future plans to take AP Calculus. In addition to the material usually covered in algebra, more in-depth topics such as probability and statistics, and matrices and determinants will be studied. Extensive problem solving will be stressed.

Grade Placement 9-12 = 1 credit
Prerequisite: Algebra I and Geometry



SCIENCE

BIOLOGY

Students will study units beginning with cellular biology and progress through genetics, biochemistry, ecology, and classification. Students will participate in laboratory experiments including dissections.

Grade Placement 9 = 1 credit
Prerequisite: None

BIOLOGY PRE-AP

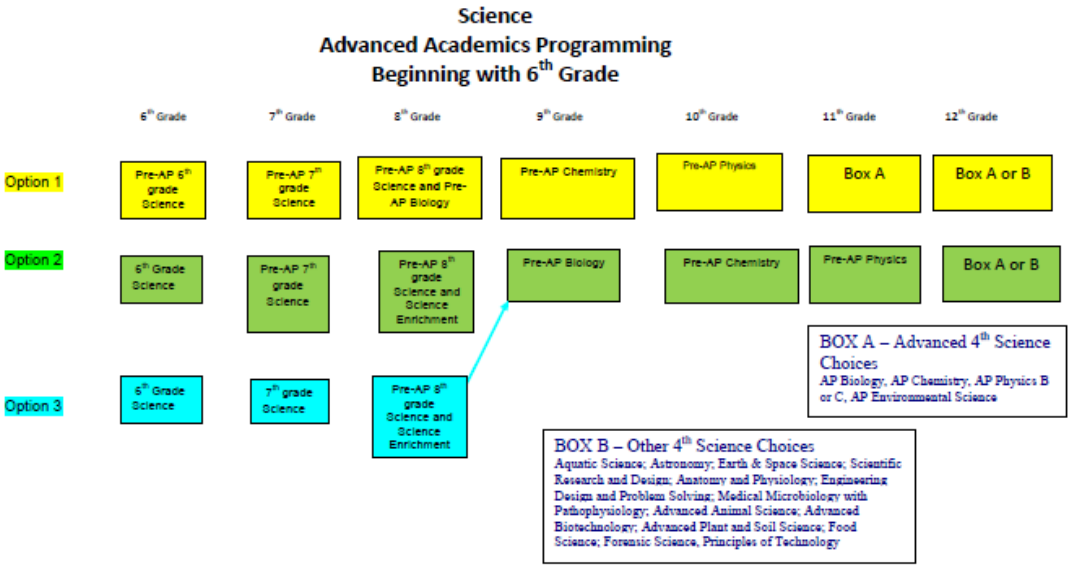
This course covers the same content as Biology but in more depth and detail. Students experience lab work which includes detailed observation, accurate recording, data interpretation, statistical analysis, and operation of technical equipment. Students will be expected to do projects outside of class. Students should maintain a grade of 85 to remain in Pre-AP Biology.

Grade Placement 9 = 1 credit
Prerequisite: None

CHEMISTRY PRE-AP

This course covers the same content as Chemistry but in more depth and detail. This course is designed to prepare students for Advanced Placement Chemistry. Since well-developed mathematical skills are necessary for success in Pre-AP Chemistry, it is strongly recommended that students have earned an 85 or higher in Algebra I Pre-AP. All students (including gifted and talented) experience lab work, which involves detailed observation, accurate recording, experimental design, manual manipulation, in-depth data interpretation, statistical analysis, and operation of technical equipment.

Grade Placement 9-12 = 1 credit
Prerequisite: Biology and Algebra I



SOCIAL STUDIES

WORLD GEOGRAPHY

This course presents information and facts about the world and how it relates to the five fundamental themes of geography: location, place, relationships within places, movement, and regions. This course should help students discern the global patterns of physical and cultural characteristics such as earth-sun relationships, climate, population, transportation and communication, economic linkages, and cultural diffusion.

Grade Placement 9 = 1 credit
Prerequisite: None

WORLD GEOGRAPHY PRE-AP

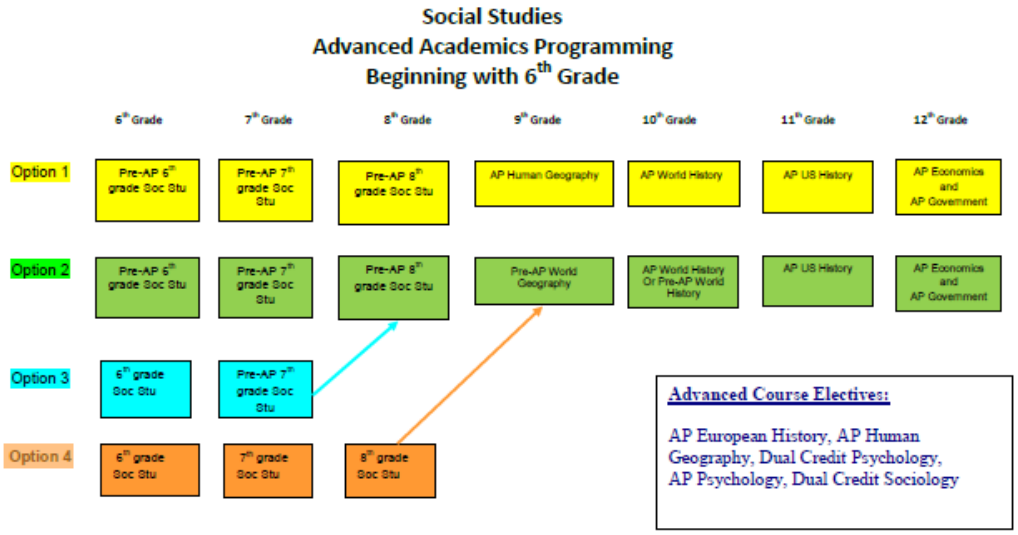
This course covers the same material as World Geography but with greater depth in each region of study. An emphasis is placed on critical thinking, writing, and professional presentation, as well as knowledge and understanding. Students should maintain a grade of 85 to remain in Pre-AP World Geography.

Grade Placement 9 = 1 credit
Prerequisite: None

HUMAN GEOGRAPHY – ADVANCED PLACEMENT

The purpose of the AP Human Geography course is to introduce students 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. On successful completion of the course, students should have developed skills that enable them to: *Use and think about maps and spatial data, Understand and interpret the implications of associations among phenomena in places, Recognize and interpret at different scales the relationships among patterns and processes, Define regions and evaluate the regionalization process, and Characterize and analyze changing interconnections among places.* **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 9 = 1 credit
Prerequisite: None



ELECTIVES

ACADEMIC AND LEADERSHIP

AVID I

AVID stands for Advancement via Individual Determination: AVID is a ninth- through twelfth-grade system to prepare students in the academic middle — B, C, and even D students — who have the desire to go to college and the willingness to work hard. These are students who are capable of completing rigorous curriculum but are falling short of their potential. Typically, they will be the first in their families to attend college. AVID pulls these students out of unchallenging courses and puts them on the college track: acceleration instead of remediation.

Grade Placement 9 = 1 credit
Prerequisite: Application and selection process

JOURNALISM

This course represents an overview of the field of journalism and is a writing intensive and critical thinking course. Students should have a good foundation in writing. Topics covered include the history of the American media; fundamentals of news; feature, sports and editorial writing; introductions to newspaper editing, layout and design; desktop publishing; yearbook production; and students who take this course may qualify to apply for any of the Advanced Journalism classes upon instructor approval.

Grade Placement 9-12 = 1 credit
Prerequisite: None

NEW PATH TO COLLEGE & CAREER

The Path-College/Career Prep courses helps advance intellectual curiosity, conscientiousness, dependability, emotional stability, and perseverance through tasks that foster deeper levels of thinking and reasoning in the four core content areas. The course will focus on developing the habits and skills that are expected in college study and the workforce. Students will be expected to meet the rigor of the Recommended High School Plan (RHSP).

Grade Placement 9 = ½ credit
Prerequisite: None

HIGH SCHOOL PE SUBSTITUTIONS

According to TEA, students must earn one credit of physical education (PE) and may earn no more than four credits to satisfy state graduation requirements.

Certain activities may be substituted for a PE course. Students participating in approved substitution activities for PE credit are required to participate in at least 100 minutes per five-day school week at a moderate or vigorous level. Activities allowed as PE substitutions include JROTC, athletics, marching band, cheerleading, drill team, and approved appropriate private or commercially-sponsored programs.

PE FOUNDATION OF PERSONAL FITNESS – GIRLS AND BOYS PHYSICAL EDUCATION

This course focuses on the teaching of skills, the acquisition of knowledge, and the development of attitudes through movement. The class will include a variety of recreational activities, fitness, lifetime sports, team sports, and weight training and conditioning.

Grade Placement 9 = 1 credit
Prerequisite: None

JUNIOR RESERVE OFFICERS' TRAINING CORPS I (JROTC)

JROTC programs were designed to augment the service academies in producing leaders and managers for the armed forces. Each branch of the service has a specific set of courses and training which officers must complete prior to joining. This program is a stimulus for promoting graduation from high school, and it provides instruction and rewarding opportunities that will benefit the student, community, and nation. The JROTC program intends to teach cadets to appreciate the ethical values and principles that underlie good citizenship, to develop leadership potential while living and working cooperatively with others, to be able to think

1 credit
1/2 credit

logically and to communicate effectively with others, both orally and in writing, to appreciate the importance of physical fitness in maintaining good health, to understand the importance of high school graduation for a successful future and learn about college and other advanced educations and employment opportunities, to develop mental management abilities, to become familiar with military history as it relates to America's culture, and understand the history, purpose, and structure of the military services, and to develop the skills necessary to work effectively as a member of a team.

Grade Placement 9 = 1 PE Sub credit
Prerequisite: Application

BOYS BASEBALL I

Players will work on fundamentals of fielding, pitching, and hitting; players will lift weights and run two to three times per week; players will be required to run the mile and 40 yd. sprint (for time) each 6 weeks during off-season.

Grade Placement 9 = 1 credit
Prerequisite: Physical and Medical History on file, must have competed on a summer league 7th and 8th grade years, or have approval of the freshman coach

BOYS BASKETBALL I

Ninth grade basketball requires both before and after school practice as well as holiday practices starting in late October and lasting into early March.

Grade Placement 9 = 1 credit
Prerequisite: Physical and Medical History on file

GIRLS BASKETBALL I

Girl's basketball involves before or after school practice and occasionally on Saturdays. Commitment to the basketball program involves practice and/or tournaments during the Thanksgiving and Christmas holidays.

Grade Placement 9 = 1 credit
Prerequisite: Physical and Medical History on file

CROSS COUNTRY AND TRACK

This is a year round program. Off-season training is recommended during the summer months (June – August) for students planning to compete in cross country during the fall. Students that sign up for the class will be training and competing in cross country meets in the fall (August – October). When cross country season ends, the student will begin off-season training for track season (February – April). During the competitive seasons, students will be required to attend morning and evening practices.

Grade Placement 9 = 1 credit
Prerequisite: Physical and Medical History on file

GIRLS FAST PITCH SOFTBALL I

Players will work on fundamentals of fielding, pitching, and hitting; players will lift weights and run two to three miles per week; players will be required to run the mile and 40 yd. sprint (for time) each 6 weeks during off-season.

Grade Placement 9 = 1 credit
Prerequisite: Physical and Medical History on file

FOOTBALL I

The football program places a strong emphasis on physical conditioning and mental alertness. Teams begin practice a few weeks prior to the start of school. After school practice sessions are required of sub-varsity players, while varsity players must attend before and after school and Saturday workouts.

Grade Placement 9 = 1 credit
Prerequisite: Physical exam form on file, previous year's preferable participation in the football program, off-season participation previous year

GOLF

Ninth grade golf is a UIL sponsored sport. It is open to both boys and girls with the opportunity to play at the Varsity level. The fall season starts at the first of school and ends at the start of November. The Spring season starts at the end of February through the beginning of April. During the off season the student will workout and run to stay in shape. Each player is required to have his/her own set of golf clubs and other equipment to play the game. The golf class is during the last period of the day and an hour and a half after school. The players will be learning the fundamentals of the game, with the opportunity to play in tournaments against other area High Schools. **1 credit**

Grade Placement 9 = 1 credit
Prerequisite: Physical and Medical History on file

INTRODUCTORY SOCCER I

Fundamentals using Brazilian and USSF technical training techniques are emphasized in this class. This course is essential for students who aspire to participate in school UIL events. It is offered throughout the year.

Grade Placement 9 = 1 credit
Prerequisite: Physical and Medical History on file

STUDENT TRAINER

Must be willing to work long hours after school and on some weekends; must be in good physical condition; must complete the application. Each student will enroll in the class and be selected as a student athletic trainer based on their performance and behavior.

Grade Placement 9 = 1/2 credit
Prerequisite: Application, Health credit, "B" average in all classes

SWIM TEAM

Swim Team season is from August to January with light off-season training. Students are required to attend after school practice at Texas Wesleyan University. Transportation is provided to TWU and back to CHS/NCHS. Swim meets are usually on Saturdays. Bus transportation is provided. Students who practice with a city team may compete with the team even though they do not take the class for credit.

Grade Placement 9 = 1 credit
Prerequisite: Students must be able to dive into the pool and swim two lengths, freestyle, without stopping. Physical and Medical History on file

TENNIS I

This course is designed to prepare players' competitive skills and strategies. Playing ability in class ranges from varsity level to beginners. Beginners should have an average to above

average athletic ability level and be committed to becoming competitive by practicing outside of class time. Players desiring to be on the tennis team are expected to attend regular after school practice from August through May. It is possible to participate in Tennis and other extracurricular activities.
Grade Placement 9 = 1 credit
Prerequisite: Physical and Medical History on file

GIRLS VOLLEYBALL I
Try-outs for volleyball begin at least one week before school starts. Volleyball involves daily after school practices and parents/players are responsible for transportation. Games are played on Tuesdays and Fridays. Three tournaments are played involving weekend (Saturday) commitments from August until the end of October. Athletes not participating in other sports will participate in an off- season program which will involve weight training, plyometrics, ball skills, jumping, agility, and aerobic activities.
Grade Placement 9 = 1 credit
Prerequisite: Physical and Medical History on file

CAREER & TECHNOLOGY EDUCATION

PRINCIPLES OF AGRICULTURE, FOOD & NATURAL RESOURCES
To be prepared for careers in agriculture, food and natural resources, students must develop academic skills and knowledge in agriculture. This course covers career opportunities, leadership, communications, and the FFA. Technical agricultural topic covered will include: soils, plants, animals, agricultural construction, and food science.
Grade Placement 8-10 = 1 credit
Prerequisite: None this is the first course in the Agriculture, Food & Natural Resources cluster

PROFESSIONAL STANDARDS IN AGRIBUSINESS
This course provides an opportunity for students to learn through hands-on experience how to be a successful worker in the modern workplace. Students learn how to present themselves in a professional manner while learning effective leadership techniques; communicate effectively within groups and individuals; and develop problem solving skills necessary in the agribusiness work place. **This course is included in three programs of study: Plant Systems, Animal Systems, and Natural Resource Systems.** This single semester course should be paired with Priciples **of Agriculture, Food and Natural Resources**.
Grade Placement 9-12 = 1 credit
Prerequisite: 9th grade must have previously taken Principles of Agriculture, Food and Natural Resources.

PROGRAM OF STUDY: Power, Structure and Technical Systems

AGRICULTURAL MECHANICS & METAL TECHNOLOGIES
A course designed to introduce basic theory and specialized skills in agricultural mechanics. Skills to be developed include tool identification and safe use, carpentry, electricity, plumbing, masonry, fencing, painting, metal working, and welding processes. This single semester course should be paired with Priciples **of Agriculture, Food and Natural Resources**.
Grade Placement 9-12 = 1 credit
Prerequisite: 9th grade must have previously taken Principles of Agriculture, Food and Natural Resources

PROGRAM OF STUDY: Plant Systems

HORTICULTURE SCIENCE
A course designed as an introduction to horticultural sciences with emphasis on technical skills, entrepreneurship, and career opportunities. Students will work with plants in the greenhouse, learn about plant propagation, pests, plant growth and plant care. This single semester course should be paired with Priciples **of Agriculture, Food and Natural Resources**.
Grade Placement 9-12 = 1 credit
Prerequisite: 9th grade must have previously taken Principles of Agriculture, Food and Natural Resources

PROGRAM OF STUDY: Animal Systems

SMALL ANIMAL MANAGEMENT
In this course, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Suggested small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats. This single semester course should be paired with Priciples **of Agriculture, Food and Natural Resources**.
Grade Placement 9-12 = 1 credit
Prerequisite: 9th grade must have previously taken Principles of Agriculture, Food and Natural Resources

EQUINE SCIENCE
A course designed to develop knowledge and skills pertaining to the selection, nutrition, reproduction, health, and management of horses. This single semester course should be paired with Priciples **of Agriculture, Food and Natural Resources**.
Grade Placement 9-12 = 1 credit
Prerequisite: 9th grade must have previously taken Principles of Agriculture, Food and Natural Resources

PROGRAM OF STUDY: Natural Resource Systems

WILDLIFE FISHERIES & ECOLOGY MANAGEMENT
A course designed to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources. Students will have the opportunity to take the Texas Parks and Wildlife Hunter Education exam. This single semester course should be paired with Priciples **of Agriculture, Food and Natural Resources**.
Grade Placement 9-12 = 1 credit
Prerequisite: 9th grade must have previously taken Principles of Agriculture, Food and Natural Resources
Supply fee: See approved district fee list

PROGRAM OF STUDY: Architecture & Construction

PRINCIPLES OF ARCHITECTURE & CONSTRUCTION
Principles of Architecture and Construction provides an overview to the various fields of architecture, interior design, construction science, and construction technology.
Grade Placement 9-12 =1 credit
Prerequisite: None

INTERIOR DESIGN
This technical laboratory course focuses on the design of residential and nonresidential interior environments to achieve occupant well-being and productivity. Content addresses design practices and influences, lighting, materials, furnishings, legal considerations, and the impact of technology on interiors. Budgeting, consumer decision making, safety, the care and maintenance of interiors, career preparation, and the management of multiple adult roles are emphasized.
Grade Placement 9-12 =1 credit
Recommended Prerequisite: None
Supply fee: See approved district fee list

PROGRAMS OF STUDY: Graphic Design, Commercial Photography, Audio and Video Technology, Animation, and Fashion Design

PRINCIPLES OF ARTS, A/V TECHNOLOGY & COMMUNICATIONS
Principles of Arts, A/V Technology & Communications is designed to introduce learners to the various careers available within the Arts, A/V Technology & Communications career cluster. People who work in the Arts, A/V Technology & Communications cluster may entertain and inform through an ever-growing array of new media forms such as cell phone ringtones, text messaging, and shared online videos. A world of audio-visual technology and communications professionals—including fashion designers, website designers, video game programmers, and multimedia artists—makes it all possible.
Grade Placement 8-10 =1 credit
Prerequisite: None

PROFESSIONAL COMMUNICATIONS
This course blends written, oral, and graphic communication in a career-based environment. This course satisfies the Speech graduation requirement for all graduation plans.
Grade Placement 9-12 =1/2 credit
Prerequisite: None

AUDIO/VIDEO PRODUCTION
Students will be expected to develop an understanding of the industry with a focus on pre-production, post-production audio and live audio and video technical skills and concepts. Instruction will include operation of different types of cameras, audio techniques and equipment, electronic editing, graphics for TV, lighting and lighting control consoles, script writing, direction, production, and leadership training.
Grade Placement 9-12
Prerequisite: Grade 9 with prerequisite Principles of Arts & A/V Technology and Communication

GRAPHIC DESIGN & ILLUSTRATION
A course designed to provide a broad understanding of career opportunities, training requirements and skills in four graphic communications-related careers: graphic communications, advertising design, drafting, and commercial photography
Grade Placement 9-12 =1 credit
Prerequisite: None
Supply fee: See approved district fee list

PROGRAMS OF STUDY: Business Management & Administration, Marketing Sales & Services, and Finance

PRINCIPLES OF BUSINESS, MARKETING & FINANCE
Principles of Business, Marketing & Finance is designed to introduce learners to the various careers available within the Business, Management & Administration, Marketing, and Finance career cluster. Business touches everything in your world. It's behind the food you eat, the vehicles you drive, the clothes you wear—every product or service you consume is the result of a business somewhere organizing the people, money, materials, and other resources to deliver that product or service to you.
Grade Placement 8-10 = 1/2 credit
Prerequisite: None

BUSINESS INFORMATION MANAGEMENT I
BIM I introduces the basic concepts and skills related to business application. Special emphasis is placed on word processing, spreadsheets, database, presentation, and integrating application software. A windows format is utilized, and Microsoft Office is the current program of choice.
Grade Placement 9 = 1 credit
Recommended Prerequisite: Touch Systems Data Entry

MONEY MATTERS
Students will investigate global economics with emphasis on the free enterprise system and its impact on consumers and businesses. Students apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to set long-term financial goals based on those options. Students will determine methods of achieving long-term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning.
Grade Placement 9-12 =1/2 credits
Prerequisite: None

SPORTS & ENTERTAINMENT MARKETING
This course will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and sporting events and entertainment. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans. This course will also provide students an opportunity to develop promotional plans, sponsorship proposals, endorsement contracts, sports
1 credit

and entertainment marketing plans, and evaluation and management techniques.
Grade Placement 9-12 =1 credit
Prerequisite: None

ADVERTISING & SALES PROMOTION
Advertising and Sales Promotion is designed as a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, ethical, and legal issues of advertising, historical influences, strategies, and media decision processes as well as integrated marketing communications. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.
Grade Placement 9-12 =1 credit
Prerequisite: None

PROGRAM OF STUDY: Education & Training

PRINCIPLES OF EDUCATION & TRAINING
Principles of Education and Training is designed to introduce learners to the various careers available within the education and training career cluster. Students will be introduced to careers in early childhood, child care, and teaching careers in elementary and secondary schools.
Grade Placement 9-10 =1 credit
Prerequisite: None
Supply fee: See approved district fee list

PROGRAM OF STUDY: Health Science

PRINCIPLES OF HEALTH SCIENCE
Principles of Health Science is designed to introduce learners to the various careers available within the Health Sciences career cluster. Students will be introduced to careers such as nursing, dental, physician, pharmacy, mental health, and other high demand medical careers.
Grade Placement 9-10 =1 credit
Prerequisite: None
Supply fee: See approved district fee list

LIFETIME NUTRITION & WELLNESS
This laboratory 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 and tourism, education and training, human services, and health sciences**. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.
Grade Placement 9-12 =1/2 credit
Prerequisite: None

PROGRAM OF STUDY: Culinary Arts

PRINCIPLES OF HOSPITALITY AND TOURISM
This course is designed to introduce learners to the various careers available within the Hospitality & Tourism career cluster. Whether chefs or concierges, travel agents or tour guides, park rangers or players for sports teams, the professionals in this cluster are experts at pleasing the public. If you want to see the world, enjoy serving others, or dream of opening a restaurant or bed and breakfast someday, then Hospitality & Tourism may be the right cluster for you. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.
Grade Placement 8-10 =1/2 credit
Prerequisite: None

PRINCIPLES OF HUMAN SERVICES
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. This is the first course for a career pathway in Child Development, Health Science, and Cosmetology.
Grade Placement 8-10 =1/2 credit
Prerequisite: None

PROGRAM OF STUDY: Child Development

CHILD DEVELOPMENT
This technical laboratory course addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.
Grade Placement 9-12 =1 credit
Recommended Prerequisite: Principles of Human Services

DOLLARS AND SENSE
This course focuses on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers. Students are encouraged to participate in career and technical student organizations and other leadership organizations.
Grade Placement 9-12 =1/2 credit
Prerequisite: None

INTERPERSONAL STUDIES
This course examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services.
Grade Placement 9-12 =1/2 credit
Prerequisite: None

PROGRAM OF STUDY: Information Technology

PRINCIPLES OF INFORMATION TECHNOLOGY
Students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students enhance personal, interpersonal, reading, writing, computing,

communication and reasoning skills and apply them to the information technology environment.
Grade Placement 9-10 =1 credit
Prerequisite: None

COMPUTER MAINTENANCE
Students acquire principles of computer maintenance, including electrical and electronic theory, computer hardware principles, and broad level components related to the installation, diagnosis, service, and repair of computer systems.
Grade Placement 9-12 =1 credit
Prerequisite: Principles of Information Technology
Supply fee: See approved district fee list

PROGRAM OF STUDY: Law & Public Safety

PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY
This course is designed to introduce learners to the various careers available within the Law, Public Safety, Corrections & Security career cluster. Students can pursue national certification in CPR (Cardio Pulmonary Resuscitation) and CERT (Community Emergency Response Team) Program.
Grade Placement 9-10 =1 credit
Prerequisite: None
Supply fee: See approved district fee list

LAW ENFORCEMENT I
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 the classification and elements of crime. Students can pursue national certifications in CPR (Cardio Pulmonary Resuscitation) and CERT (The Community Emergency Response Team) Program.
Grade Placement 9-11 =1 credit
Prerequisite: 9th grade must have previously taken Principles of Law, Public Safety, Corrections & Security.
Supply fee: See approved district fee list

FIREFIGHTER I
Firefighter I introduces students to firefighter safety and development. Students will analyze Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protections equipment, and the principles of fire safety. Students can pursue national certifications in CPR (Cardio Pulmonary Resuscitation) and CERT (The Community Emergency Response Team) Program and FEMA 100, 200, 700, 800, & 26.
Grade Placement 9-11 =1 credit
Recommended Prerequisite: 9th grade must have previously taken Principles of Law, Public Safety, Corrections, and Security
Supply fee: See approved district fee list

PROGRAM OF STUDY: Engineering

INTRODUCTION TO ENGINEERING DESIGN (IED) – *Project Lead the Way*
Designed for 9th or 10th grade students, the major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. Students use 3D solid modeling design software to help them design solutions to solve proposed problems and learn how to document their work and communicate solutions to peers and members of the professional community.
Grade Placement 9-12 =1 credit
Prerequisite: Algebra I

LANGUAGES OTHER THAN ENGLISH

FRENCH I
The instruction in beginning French begins with a strong emphasis on listening and speaking. However, reading and writing are quickly introduced. Upon completion of this course, students should be able to understand and carry on simple conversations based on greeting, introductions, family, home, school, daily routine, shopping, etc. They should learn the basic elements of grammar.
Grade Placement 9 = 1 credit
Prerequisite: None

GERMAN I
This course is designed to introduce students to the fundamentals of speaking, reading, and writing German. Students will also be exposed to the customs and culture of Germany as well as other German speaking countries.
Grade Placement 9 = 1 credit
Prerequisite: None

SPANISH I
The instruction in Spanish I initially has a strong emphasis on memorizing and using vocabulary for listening and speaking. However, reading and writing are quickly introduced. Upon completion of this course, students should be able to understand and carry on simple conversations based on greetings, introductions, family, home, school, daily routine, shopping, etc. They should know the basic elements of grammar.
Grade Placement 9 = 1 credit
Prerequisite: None

SPANISH II
A special emphasis on listening and speaking is continued. In order for the students to be prepared for college level classes, a firm foundation in grammar is presented.
Grade Placement 9 = 1 credit
Prerequisite: Spanish I

SPANISH FOR SPANISH SPEAKERS (NATIVE SPEAKER SPANISH)
This course integrates communication, culture, connections, comparisons, and communities. It incorporates the study of Hispanic language and culture and assists students in understanding and appreciating this culture. The main object is to enrich the students' total language experience by building on the language proficiency already possessed. The focus is on increasing students' ability to use Spanish flexibly, both in

formal and informal situations, and on developing their literacy skills.
Grade Placement 9 = 1 credit Spanish I & 1 credit Spanish II
Prerequisite: Native Spanish speaker

SPANISH II – PRE-ADVANCED PLACEMENT
Pre-AP II is a course designed for the student who has future plans to take Pre-AP III and eventually AP Spanish IV by enriching the course through depth and complexity. Emphasis in this class is on the spoken language. Listening, speaking, reading and writing skills are practiced. Emphasis is given to the acquisition of useful vocabulary and advanced grammar skills and concepts. Students read Spanish short stories and poems.
Grade Placement 9 = 1 credit
Prerequisite: Spanish I

FINE ARTS

ART I
Art I is the introductory course offered for high school graduation credit. It is required of every student who plans to take other art courses. The course emphasizes the following disciplines:

1. An understanding of art principles and elements
2. Exploring various art techniques and media methods
3. Acquainting students with artists and periods of the past and present
4. Developing art appreciation skills

Experiences are provided in life drawing and still-life drawing, painting, color, design, sculpture, and printmaking. A willingness to draw on a daily basis is expected.
Grade Placement 9 = 1 credit
Prerequisite: None
Supply fee: See approved district fee list

BAND I
Emphasis is placed upon teamwork in marching band. Students will be placed in concert bands according to ability. Mastery of the following fundamentals will be emphasized: tone production, sight reading, and marching skills. The students will perform at all high school football games, UIL competition, community performances, as well as 4 to 5 concerts during the year. A student must be in marching band to be able to participate in concert band, jazz band, or ensembles.
Grade Placement 9 = 1/2 PE Sub + 1/2 Fine Arts credit
Prerequisite: 8th grade band

CHOIR I
Choir is the study of vocal and choral techniques, as well as a study of sight singing and theory. Some public performance is required.
Grade Placement 9 = 1 credit
Prerequisite: None

COLOR GUARD I
Color Guard is included in marching band and is a Band credit. The students will learn to march, dance and do fundamental flag work with the band for pep rallies, competitions, and halftime performances. Some of the financial expenses are the responsibility of the parents. Students will participate during a regularly scheduled class, as well as 1 or 2 rehearsals per week outside the school day. Students may be enrolled in either Band or Color Guard, not both.
Grade Placement 9 = 1/2 PE Sub + 1/2 Fine Arts credit
Prerequisite: Tryouts, physical and medical history on file

DANCE I
Dance class fosters the exploration and appreciation of diverse dance traditions and history while developing skills of observation, analysis, expression, and reflection. The class will focus on various types of dance such as ballet, jazz, hip hop, clogging, and modern. The purpose is to increase and enhance agility, endurance, flexibility, coordination, and balance. Dance students will be encouraged to perform before an audience at the annual spring show at the end of the year. This class may serve as a preparatory class for drill/dance team tryouts. Classes must be taken in order beginning with Dance I. Prior dance experience is not required. **Students are required to purchase all black dance attire for class.**
Grade Placement 9 = 1 credit
Prerequisite: None

DRILL TEAM I
This course is designed for members of the high school's drill team after successful completion of the audition process held during the previous spring. Emphasis is placed on teamwork and dancing throughout the year in performances at football halftimes, basketball halftimes, pep rallies, and other community functions. Students will learn many different styles of dance including modern, ballet, tap, jazz, novelty, kick, hip-hop, funk, and dances using various props. In the spring, drill team members will compete with other schools in dance and drill team contests, then produce and perform in a spring show and continue dancing techniques in class. **Students are required to purchase items after tryouts for team use starting at the line camp. Members will be provided an order form.**
Grade Placement 9 = 1/2 PE Sub + 1/2 Fine Arts credit
Prerequisite: Tryouts, physical and medical history on file

THEATRE ARTS I
Courses must be taken in sequence. This course includes the study of theatre history, literature, theatre performance, and period styles. Advanced classes will include a study of oral interpretation of literature and classical literature from the genre.
Grade Placement 9 = 1 credit
Prerequisite: None

SPEECH

PROFESSIONAL COMMUNICATIONS
Students will participate in a variety of communications settings designed to improve interpersonal skills which can be used in both professional and social settings. They will develop an understanding of delivery methods and practice the

proper application of each, which will prepare them for success the remainder of their high school career and in their future endeavors. Group Problem Solving, concepts of teamwork and team building as well as development of leadership skills will be demonstrated and used by the student to help build confidence and improve their critical thinking skills. Students will practice and evaluate communication methods and styles to enhance understanding of the communication process and how to use effective communication to benefit themselves and others. *This course satisfies the required speech course for graduation.*

Grade Placement 9 = 1/2 credit
Prerequisite: None

DEBATE I

Gaining a general understanding of the major forms of debate, learning to prepare and present actual debates, and studying logic and reasoning are the objectives of this course in argumentation. Students are introduced to both Lincoln Douglas and Policy debate techniques. Focus will be on research skills and critical thinking in order to prepare for UIL and TFA/NFL competition. The competitive debate teams will be formed in these classes. Debate II-III build on the fundamentals and continue to develop debate skills. Scholarships may be earned by UIL and TFA competitions.

Grade Placement 9 = 1 credit
Prerequisite: None

VI. COURSE DESCRIPTIONS – HIGH SCHOOL 10TH-12TH

LANGUAGE ARTS

ESOL II	10	1 cr
English I	10-12	1 cr
English II	10-12	1 cr
English II Pre-AP	10-12	1 cr
English III	11-12	1 cr
English III AP	11-12	1 cr
English IV	12	1 cr
English IV AP	12	1 cr
Professional Communications	10-12	½ cr
Elective English Courses		
Advanced Broadcast Journalism I-III	10-12	1 cr
Advanced Journalism - Newspaper I-III	10-12	1 cr
Advanced Journalism - Yearbook I-III	10-12	1 cr
Bible as Literature	10-12	½ cr
Competitive Speech	10-12	1 cr
Creative Writing	11-12	½ cr
Debate I-III	10-12	1 cr
Humanities	11-12	½ cr
Independent Study in English – Analysis of Visual Media	11-12	½ cr
Journalism	9-12	1 cr
Literary Genres – Multicultural Literature	11-12	½ cr
Literary Genres – Science Fiction and Fantasy	11-12	½ cr
Literary Genres – Women's Studies	11-12	½ cr
Photojournalism	10-12	½ cr
Practical Writing Skills	10	½ cr
Public Speaking I-III	10-12	1 cr
College Readiness and Study Skills	10	½ cr

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES II

These courses provide listening, speaking, reading, and writing activities from simple to complex in order to increase the students' comprehension and ability to express themselves. Each course focuses on grammar and literature for the grade level. **This course is for students who are speakers of other languages who have limited English skills, have immigrant status, and have been in the United States less than three years.**

Grade Placement 10 **1 credit**

Prerequisite: Qualify through testing and immigrant status

ENGLISH I

This course covers the literary genres of poetry, drama, short stories, and novels. Students learn grammar usage and SAT vocabulary, as well as reflexive writing, persuasive writing, and research writing techniques. This course also introduces literary analysis terms and strategies.

Grade Placement 10-12 **1 credit**

Prerequisite: None

ENGLISH II

This course covers world literature according to literary types (fiction, nonfiction, poetry, drama, and novels). It coordinates literature, composition, and grammar while stressing vocabulary, mechanics, and usage. English II also focuses on analysis of selected writings through oral and written discourse. Students will be required to complete one or more documented papers.

Grade Placement 10-12 **1 credit**

Prerequisite: English I

ENGLISH II PRE-AP

Pre AP English II is considered a transitional on-ramp to other courses in the high school's AP program. This course will focus on critical thinking, engage in the writing process, and include important literature from a variety of modern, classic, and multicultural sources. Several key AP strategies and concepts for analysis will be introduced and practiced. Correct sentence structure, English language usage, and editing skills will be reinforced. In addition, the multi-paragraph essay will be polished with emphasis on organization strategies and effective elaboration techniques. SAT vocabulary words will be an on-going study. Gifted students will undertake a variety of critical thinking assignments and independent reading and research. Students should complete the summer reading list prior to the beginning of school.

Grade Placement 10-11 **1 credit**

Prerequisite: English I

ENGLISH III

This course is a chronological survey of American literature starting with the works of the Native American and working through contemporary times. Using thematic instruction, it coordinates literature, composition, grammar, and vocabulary through representative readings from historical documents, essays, dramas, short stories, poetry, and novels by significant American writers. Additionally, this course is designed to reinforce the skills and strategies to afford the student success on the state assessments taken the junior year. Students will be required to complete one or more research-based projects.

Grade Placement 11-12 **1 credit**

Prerequisite: English II

ENGLISH LANGUAGE & COMPOSITION – ADVANCED PLACEMENT

Advanced Placement is primarily a course of freshman college-level reading and writing which is designed to prepare the motivated student to achieve success on the AP English Language and Composition Exam. This exam is administered in May on the high school campus. It gives the high school student the opportunity to receive up to six (6) hours of college credit. At the junior level, the AP course focuses on style analysis and argumentation written as a multi-paragraph essay, careful reading of important literary works with a particular emphasis on non-fiction prose, and critical interpretations of major novels written by American authors. Additionally, students will be expected to stay current and formulate important opinions concerning global social issues. The study of SAT vocabulary will be ongoing as the student prepares for college entrance exams. There will be a consistent reinforcement of skills and strategies necessary for success on the state assessments. Students will be required to complete one or more research-based projects/papers. The course requires extensive reading and preparation outside of the regular school day including a summer reading list prior to the beginning of school. This course satisfies the English III graduation requirement. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 11-12 **1 credit**

Prerequisite: English II (Pre AP English II highly recommended)

ENGLISH IV

This course provides in-depth practice in literary, writing, and grammar skills. In addition, the course requires in-depth analysis, both oral and written, of British literature from Beowulf to the writings of Shaw. Several papers patterned after college compositions are required.

Grade Placement 12 **1 credit**

Prerequisite: English III

ENGLISH LITERATURE & COMPOSITION – ADVANCED PLACEMENT

Advanced Placement is a program of sophomore college-level work. The AP English Literature and Composition Exam is administered in May on the high school campus and gives the high school student the opportunity to receive up to six (6) hours college credit. At the senior level, the AP course focuses on a careful reading of works of recognized literary merit with a particular emphasis on British works. Students will develop critical standards for the appreciation of any literary work and increase their sensitivity to literature as a shared experience. Through analytical, oral, and written analysis of poetry, essays, short stories, drama, and novels, the student explores the nature of man and society. Tips for writing the college essay will be given. This course moves at a rigorous pace and requires extensive reading and preparation outside of the regular school day including a summer reading list prior to the beginning of school. This course satisfies the English IV graduation requirement. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 12 **1 credit**

Prerequisite: English III (AP English III highly recommended)

PROFESSIONAL COMMUNICATIONS

In this course, students demonstrate and apply knowledge of communication skills in professional and social settings. Students enrolled in this course will learn to identify, analyze, develop, and evaluate the components and skills needed for successful communication in interpersonal situations, group interactions, and personal professional presentations. **This course will satisfy the**

Speech requirement for all graduations plans.
Grade Placement 10-12 **1/2 credit**
Prerequisite: None

ELECTIVE ENGLISH COURSES

ADVANCED BROADCAST JOURNALISM I - III

This course offers students the opportunity to explore the fundamentals of radio and television broadcasting with a journalistic angle. Students will practice techniques of planning, producing, directing, editing, and finalizing audio and video segments. Skills stressed are video graphic composition, lighting, organization, collaboration work, and creative/technical editing. Students will learn to write in broadcast style using scripts and storyboards. **UIL and other competitions are strongly encouraged.** Students at will produce the daily announcement news show *Panther TV* and many other video and audio productions.
Grade Placement 10-12 **1 credit**
Prerequisite: Journalism, completion of application and instructor approval

ADVANCED JOURNALISM - NEWSPAPER I - III

These courses are concerned primarily with publishing a school newspaper. Students study all phases of journalism including desktop publishing programs. Improving writing skills and interviewing techniques are major concerns as is all types of communication. Also included is advanced study of feature, column, editorial and sports writing. Students must apply and follow instructor guidelines. **UIL and other competitions are strongly encouraged.** Students will generate revenue through advertising to support the costs of newspaper production. Students must also be able to work after school and at school related events on weekends to complete deadlines.
Grade Placement 10-12 **1 credit**
Prerequisite: Journalism, completion of application and instructor approval

ADVANCED JOURNALISM - YEARBOOK I - III

This course provides the student with opportunities to study elements and processes of producing the school yearbook. Students will complete layouts, write copy, and incorporate pictures and artwork on desktop publishing programs. Other skills stressed include: page planning/design, advertising sales, and photojournalism. Students should have a good foundation in writing. Students must apply and be willing to follow instructor guidelines. Students must attend a summer workshop and be willing to work a minimum of 15 hours a week outside of class to complete pages for a deadline. Students must be able to multi-task and work on strict deadlines. **UIL and other competitions are strongly encouraged.**
Grade Placement 10-12 **1 credit**
Prerequisite: Journalism, completion of application and instructor approval

BIBLE AS LITERATURE

There is no book more important for our culture than the Bible, and it is fundamental to the study of English literature and language. It is a source of poetry, plays, proverbs, narratives, and parables. This course will explore how closely the Bible is linked with some of the great literature in English, beginning with the creation stories in Genesis and moving through to the visions of the End in Revelation. It will use some of the most widely recognized passages from the Hebrew and Christian Bible and align them with selections of texts from literature. Students will also analyze literary elements in the Bible such as authorship, plot, characters, structure, genre, and other literary elements.
Grade Placement 10-12 **1/2 credit**
Prerequisite: None

COMPETITIVE SPEECH

This class will focus on the academics of speech, oral interpretation, poetry, prose, original oratory, humorous interpretation, and impromptu speaking. In order to have full participation in the democratic process, students must have a good understanding of public dialogue. Students must learn the concepts and skills related to preparing and presenting public messages and to analyzing and evaluating the messages of others.
Grade Placement 10-12 **1 credit**
Prerequisite: None

CREATIVE WRITING

This course, an elective composition course, provides individual instruction for the motivated writer in an intensive writers' workshop environment. Strategies and activities include practice with and examination of a variety of genres, including short stories and poetry, development of peer and self-editing techniques, and numerous opportunities to publish. This writing course is designed especially to challenge the imagination and creativity of the student by encouraging spontaneity of expression.
Grade Placement 11-12 **1/2 credit**
Prerequisite: English II

DEBATE I-III

Gaining a general understanding of the major forms of debate, learning to prepare and present actual debates, and studying logic and

reasoning are the objectives of this course in argumentation. Students are introduced to both Lincoln Douglas and Policy debate techniques. Focus will be on research skills and critical thinking in order to prepare for UIL and TFA/NFL competition. The competitive debate teams will be formed in these classes. Debate II-III build on the fundamentals and continue to develop debate skills. Scholarships may be earned by UIL and TFA competitions.

Grade Placement 10-12 **1 credit**
Prerequisite: None

HUMANITIES – THE 1960s

This is an interdisciplinary course in which students recognize writing as an art form. It includes the study of the art, music, literature, social and political events of the 1960s. Humanities is a rigorous advanced academic course of study in which high school students respond to aesthetic elements in texts and other art forms through outlets such as discussions, journals, oral interpretations, and dramatizations. A companion to this course is Analysis of Visual Media.

Grade Placement 11-12 **1/2 credit**
Prerequisite: Instructor Approval

HUMANITIES – ANALYSIS OF VISUAL MEDIA OF THE 1960s

In this second semester course, Students will analyze the decade of the 1960s through the study of film, magazines, books, and works of art. Students will be expected to develop and present a major multi-media project. A companion to this course is Humanities.

Grade Placement 11-12 **1/2 credit**
Prerequisite: Humanities

JOURNALISM

This course represents an overview of the field of journalism and is a writing intensive and critical thinking course. Students should have a good foundation in writing. Topics covered include the history of the American media; fundamentals of news, feature, sports and editorial writing; introductions to newspaper editing, layout and design; desktop publishing; yearbook production; and students who take this course may qualify to apply for any of the Advanced Journalism classes upon instructor approval.

Grade Placement 9-12 **1 credit**
Prerequisite: None

LITERARY GENRES – MULTICULTURAL LITERATURE

This course will include a higher-level analysis of texts, comparison of different cultures, analytical writing and speaking. Possible authors for study will include both classical and contemporary ranging from Dante, Boccaccio, and Cervantes to Chinese authors Amy Tan and Maxxine Hong Kingston; African-American authors Maya Angelou, Alice Walker, and Toni Morrison; American Indian authors such as Sherman Alexi and N. Scott Momaday; Hispanic authors Rudolfo Anaya, Jimmy Antiago Baca, and Sandra Cisneros.

Grade Placement 11-12 **1/2 credit**
Prerequisite: English II

LITERARY GENRES – SCIENCE FICTION AND FANTASY

This course will allow students to build an extensive vocabulary through reading and systematic word study of stories in the Sci Fi realm. Students will analyze fictional and poetic elements of novels and films made from the novels, comparing the two formats. Writing will be used as a tool for learning and research as well as communication inside and outside the classroom.

Grade Placement 11-12 **1/2 credit**
Prerequisite: English II

LITERARY GENRES – WOMEN'S STUDIES **HS**

This course will spend time analyzing the non-fiction, poetry, novels, and films written about women and by women. Works to be studied include both classical and contemporary selections, ranging from Greek and Roman writers to contemporary authors such as Toni Morrison, Annie Dillard, Judith Viorst, Barbara Kingsolver, Maya Angelou, Amy Tan, Alice Walker, Gloria Steinem, and Betty Freidan. Students will explore the history and culture of women throughout history as well as the dynamics of the Women's Movement of the 60s and 70s in America. Students will also explore the emotional, financial, legal and political status of women in the world today.

Grade Placement 11-12 **1/2 credit**
Prerequisite: English II

PHOTOJOURNALISM

This course offers students the opportunity to explore the fundamentals of photography with a journalistic angle. This semester course provides the basic instruction in camera techniques as related to journalism, darkroom techniques or digital editing techniques, and photocomposition. Students will practice techniques of taking photographs, developing film, and printing pictures. Students with high achievement may be selected for Newspaper and/or Yearbook staff and are expected to take pictures at school related events after school and on weekends. UIL and other competitions are strongly encouraged. Students must provide their own digital camera, batteries, and flash for the course.

Grade Placement 10-12 **1/2 credit**
Prerequisite: None

PRACTICAL WRITING SKILLS

This course will complement the writing skills learned in English I and II by preparing students for various types of communication for school, the job market, as well as higher education. This course will emphasize the mechanics and conventions of writing and will help students apply English grammar appropriately and effectively. The Practical Writing Skills course will be a companion to the College Readiness and Study Skills course. This sequence fulfills the CISD local requirement for the state assessment remediation in EHBC (Local).

Grade Placement 10 **1/2 credit**

Prerequisite: None

PUBLIC SPEAKING I-III

Public Speaking I-III are advanced speech courses designed for those students interested in competitive forensic activities who wish to compete in Texas Forensic Association and UIL public speaking tournament events. Students will develop advanced communication skills through informative and persuasive speaking, modern oratory, domestic and foreign extemporaneous speaking, argumentation and debate, and various oral interpretation events. **Students will be required to attend tournaments** Scholarships may be earned by UIL and TFA competitions.

Grade Placement 10-12 **1 credit**

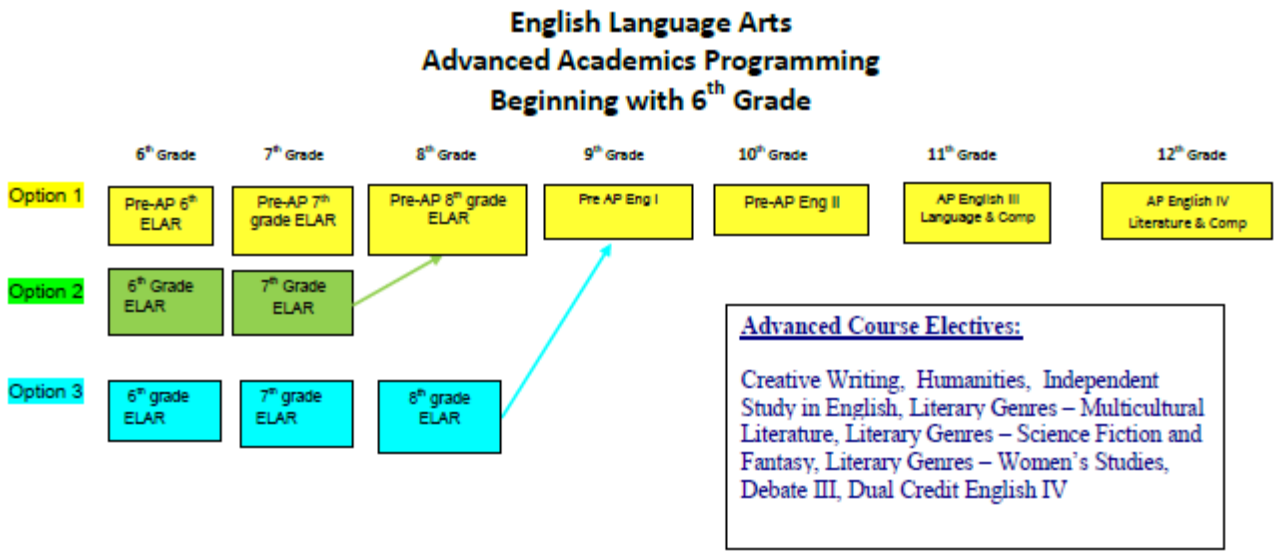
Prerequisite: None

COLLEGE READINESS AND STUDY SKILLS

The purpose of the College Readiness and Study Skills course is to sharpen reading skills and hone study/note taking skills through cross-curricular reading. This course will help prepare students for college level work including high school AP and Pre-AP courses and will be helpful for ESL students. This course will be a companion to the Practical Writing Skills course. This sequence fulfills the CISD local requirement for the state assessment remediation in EHBC (Local).

Grade Placement 10 **1/2 credit**

Prerequisite: None



MATHEMATICS

Algebra I	10-12	1 cr
Geometry	10-12	1 cr
Geometry Pre-AP	10-12	1 cr
Mathematical Models with Applications (MMA)	11-12	1 cr
Mathematical Applications In Agriculture, Food & Natural Resources	10-12	1 cr
Algebra II	10-12	1 cr
Algebra II Pre-AP	10-12	1 cr
Pre-calculus	11-12	1 cr
Pre-calculus Pre-AP	11-12	1 cr
Advanced Quantitative Reasoning	12	1 cr
Calculus	12	1 cr
Calculus – Advanced Placement AB	12	1 cr
Calculus – Advanced Placement BC	12	1 cr
Statistics – Advanced Placement	11-12	1 cr
Statistics & Risk Management	11-12	1 cr

ALGEBRA I

Using as its foundation the study of the subsets of the real numbers the student has encountered in previous mathematics courses, Algebra I continues with a systematic development of the real numbers. By using definitions, axioms, theorems, and concepts of logic, students will study algebra as a structured system. Algebra I provides a foundation for higher level mathematics courses.

Grade Placement 10-12 **1 credit**

Prerequisite: None

GEOMETRY

This course consists of a study of measurements, construction, and terminology essential to geometry. It includes problem solving by means of logical proofs and definitions. Relations, properties, and measurements of surfaces, lines, and angles are investigated and used.

Grade Placement 10-12 **1 credit**

Prerequisite: Algebra I

MATHEMATICAL MODELS WITH APPLICATION

This course is designed for students who need additional study in Algebra I concepts and are not planning on entering a STEM (science, technology, engineering, or mathematics) field after graduation. In this course students will expand their understanding of algebra through concrete, numerical, graphical, and abstract methods in relation to real-life applications involving finance, probability, fine arts, and science. This course may provide a third mathematics credit for those students who would not yet be successful in Algebra II, and must be taken prior to successful completion of Algebra II.

Grade Placement 10 **1 credit**

Prerequisite: Algebra I or Algebra I with Lab and Geometry

MATHEMATICAL APPLICATIONS IN AGRICULTURE, FOOD & NATURAL RESOURCES *(approved by State Board of Education for math credit – see Recommended Graduation Plan in appendix)*

In this course, students will apply academic skills in mathematics, including algebra, geometry, and data analysis in the context of agriculture, food, and natural resources. To prepare for success, students are afforded opportunities to reinforce, apply, and transfer their knowledge and skills related to mathematics in a variety of contexts.

Grade Placement 10 - 12 **1 credit**

Prerequisite: At least one prior Agriculture, Food, and Natural Resources course, and must be taken prior to Algebra II for students who began 9th grade in 2011-12 or earlier or for students who began 9th grade in 2012-13 must be taken after or concurrently with Algebra II to use for fourth math credit.

ALGEBRA II

A continuation of the topics studied in Algebra I, this course will extend the development of the real number system and will include a study of the complex numbers as a mathematical system. Students will study the ideas of relations and functions, with an emphasis on graphing; a variety of representations as well as a variety of techniques (including the graphing calculator) will be used to solve problems. Matrices and determinants will be introduced. The equations and graphs of conic sections will also be studied. The students who plan to attend college should study Algebra II since familiarity with mathematical concepts and an understanding of a structured approach to a discipline will be needed.

Grade Placement 10-12 **1 credit**

Prerequisite: Algebra I and Geometry

ALGEBRA II PRE-AP

Pre-AP Algebra II is a course designed for the student who has future plans to take AP Calculus. In addition to the material usually covered in algebra, more in-depth topics such as probability and statistics, and matrices and determinants will be studied. Extensive problem solving will be stressed.

Grade Placement 10-12 **1 credit**

Prerequisite: Algebra I and Geometry

PRE-CALCULUS

Pre-calculus is a comprehensive study of the properties and applications of trigonometric functions, including trigonometric ratios, their graphs, identities, and inverse functions. Other topics may include conic sections, polynomial functions, exponential functions, logarithmic functions, sequences and series, complex numbers, polar coordinate system, and vectors. This advanced academic course provides the necessary foundation for high school calculus, but it is primarily designed for college-bound seniors.

Grade Placement 11-12 **1 credit**

Prerequisite: Geometry and Algebra II

PRE-CALCULUS – PRE AP

Pre-calculus – Pre AP is a comprehensive study of the properties and applications of trigonometric functions, including trigonometric ratios, their graphs, identities, and inverse functions. Other topics include conic sections, polynomial functions, exponential functions, logarithmic functions, sequences and series, complex numbers, and vectors. Students will experience a more in depth study of the previously mentioned topics. This advanced academic course is designed for students who intend to take AP Calculus during their senior year.

Grade Placement 11-12 **1 credit**

Prerequisite: Geometry and Algebra II Pre AP or recommendation from the student's Algebra II teacher

ADVANCED QUANTITATIVE REASONING (AQR)

This course was developed as a fourth-year math course. Its primary purpose is to prepare students for non-math-intensive college majors, for technical training, or for a range of career options in the workplace. The primary focus includes the analysis of information using statistical methods and probability, modeling change and mathematical relationships, mathematical decision making in finance and society, and spatial and geometric modeling for decision making. Students will learn to become critical consumers of the quantitative data that surround them every day, knowledgeable decision makers who use logical reasoning, and mathematical thinkers who can use their quantitative skills to solve problems related to a wide range of situations.

Grade Placement 12 **1 credit**

Prerequisite: Algebra II

CALCULUS – INDEPENDENT STUDY IN MATHEMATICS

Calculus consists of a full academic year of work in calculus and related topics such as differential and integral calculus to prepare students for an introductory college calculus course.

Grade Placement 12 **1 credit**

Prerequisite: Pre-calculus

CALCULUS - ADVANCED PLACEMENT AB

Advanced Placement Calculus AB consists of a full academic year of work in calculus and related topics comparable to one semester of calculus in colleges and universities. It is expected that students who take AP Calculus will seek college credit or placement from institutions of higher learning. The year's course will be devoted to the topics in differential and integral calculus to adequately prepare students for the Advanced Placement Calculus AB examination. This course requires a graphing utility. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 12 **1 credit**

Prerequisite: Pre-calculus or Pre-calculus Pre-AP

CALCULUS – ADVANCED PLACEMENT BC

Advanced Placement Calculus BC consists of a full academic year of work in calculus and related topics comparable to two semesters of calculus in colleges and universities. It is expected that students who take AP Calculus will seek college credit or placement from institutions of higher learning. The year's course will be devoted to the topics in differential and integral calculus, as well as vectors, slope fields, polynomial approximations, and series to adequately prepare students for the Advanced Placement Calculus BC examination. This course requires a graphing utility. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 12 **1 credit**

Prerequisite: Pre-calculus or Pre-calculus Pre-AP

STATISTICS – ADVANCED PLACEMENT

AP Statistics is a course offered to students who wish to complete studies in secondary school equivalent to a one semester, introductory, non-calculus based college course in statistics. The purpose of the course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad themes: I) exploring data, 2) planning a study, 3) anticipating patterns, 4) statistical inference. Students who successfully complete the course and the exam may receive credit and/or advanced placement for a one-semester introductory college statistics course. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 11-12 **1 credit**

Prerequisite: Pre-calculus or concurrent enrollment in AP Statistics and Pre-calculus

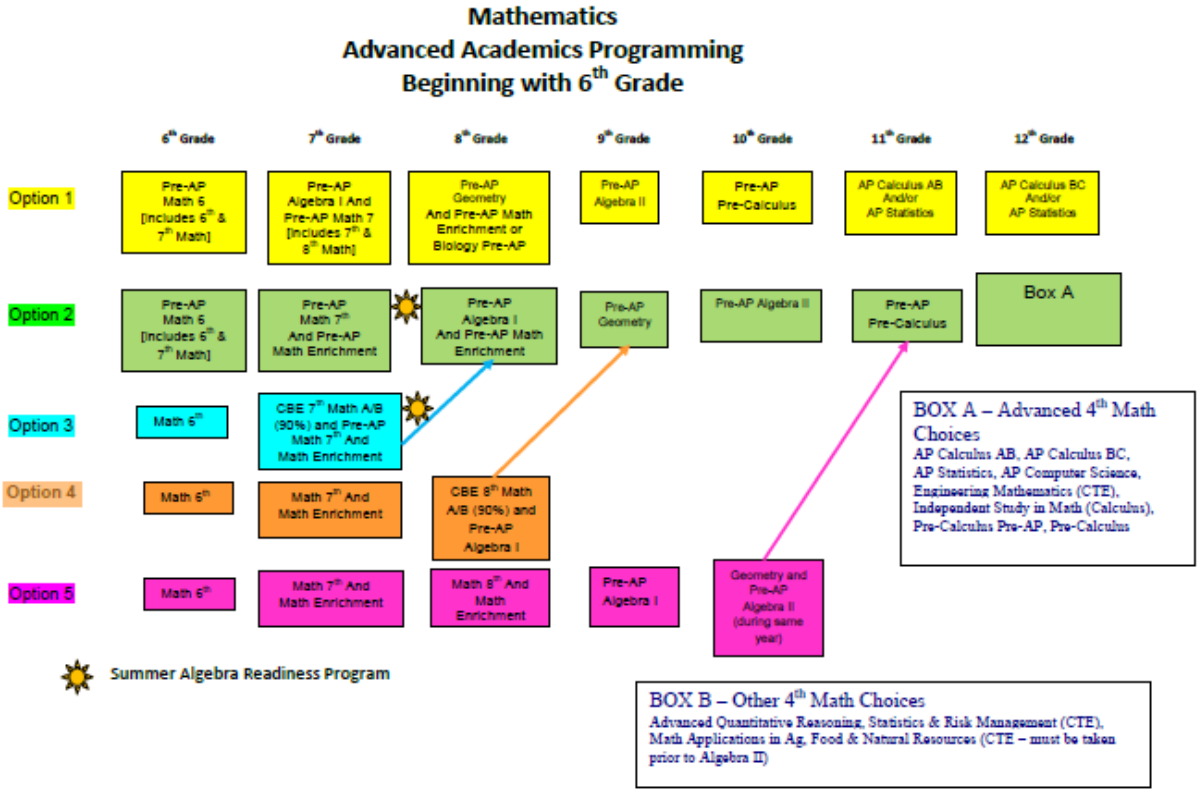
STATISTICS & RISK MANAGEMENT *(approved for math credit from State Board of Education – see Graduation Plans in appendix)*

Students will use a variety of graphical and numerical techniques to analyze patterns and departures from patterns to identify and manage risk that could impact an organization. Students will use probability as a tool for anticipating and forecasting data within business models to make decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid.

Grade Placement 11-12 **1 credit**

Prerequisite: Accounting I and Algebra II

MATHEMATICS – PATHWAYS



SCIENCE

It is strongly recommended that college-bound students take biology, chemistry, and physics.

Biology	10-12	1 cr
Integrated Physics/Chemistry	10-12	1 cr
Chemistry	10-12	1 cr
Chemistry Pre-AP	10-12	1 cr
Physics	11-12	1 cr
Physics Pre-AP	11-12	1 cr
Biology – Advanced Placement	11-12	1 cr
Chemistry – Advanced Placement	11-12	1 cr
Physics – Advanced Placement B	11-12	1 cr
Physics – Advanced Placement C	12	1 cr
Science Electives – will satisfy 4th Science		
Advanced Plant and Soil Science	11-12	1 cr
Advanced Animal Science	11-12	1 cr
Anatomy & Physiology	11-12	1 cr
Aquatic Science	10-12	1 cr
Astronomy	11-12	1 cr
Earth & Space Science	11-12	1 cr
AP Environmental Science	11-12	1 cr
Environmental Systems	11-12	½ cr
Food Science	11-12	½ cr
Forensic Science	11-12	1 cr
Medical Microbiology (paired with Pathophysiology)	11-12	½ cr
Pathophysiology (paired with Medical Microbiology)	11-12	½ cr

BIOLOGY

Students will study topics including lab safety, cellular biology, body systems, genetics, biochemistry, ecology, and classification. Students will participate in laboratory experiments including dissection and learn proper use of the light microscope. All students (including gifted and talented) experience lab work which involves detailed observation, accurate recording, experimental design, manual manipulation, in-depth data interpretation, statistical analysis, and operation of technical equipment.

Grade Placement 10-12 **1 credit**

Prerequisite: None

INTEGRATED PHYSICS/CHEMISTRY (IPC)

This course is a study of the basic physical principles, which govern the materials and forces around us. IPC is taught from a perspective of integrating the physical science concepts of both chemistry and physics. This course is designed to provide a solid background in the physical sciences for those students who are still developing their mathematics skills. It also prepares students for future success in Chemistry or Physics. All students (including gifted and talented) experience lab work, which involves detailed observation, accurate recording, experimental design, manual manipulation, in-depth data interpretation, basic statistical analysis, and operation of technical equipment. This course will fulfill science requirement for Recommended High School Plan but not for the Distinguished Achievement Plan.

Grade Placement 10-12 **1 credit**

Prerequisite: None

CHEMISTRY

This course is based on and develops the foundation for modern chemistry concepts, which may be used in daily life. Theories covered in Chemistry include mathematical concepts, balanced chemical equations, stoichiometry, atomic structure, periodic arrangement of the elements, molecular bonding, oxidation-reduction, states of matter, and solutions. Emphasis is placed on laboratory work. All students (including gifted and talented) experience lab work, which involves detailed observation, accurate

recording, experimental design, manual manipulation, in-depth data interpretation, statistical analysis, and operation of technical equipment.

Grade Placement 10-12 **1 credit**

Prerequisite: Biology or IPC; Because competent math skills are an integral part of the student's success in chemistry, it is therefore strongly recommended that students have successfully completed Algebra I, especially for those who have not taken IPC

CHEMISTRY PRE-AP

This course covers the same content as Chemistry but in more depth and detail. This course is designed to prepare students for Advanced Placement Chemistry. Since well-developed mathematical skills are necessary for success in Pre-AP Chemistry, it is strongly recommended that students have credit for or be concurrently enrolled in Algebra II. All students (including gifted and talented) experience lab work, which involves detailed observation, accurate recording, experimental design, manual manipulation, in-depth data interpretation, statistical analysis, and operation of technical equipment.

Grade Placement 10-12 **1 credit**

Prerequisite: Biology or IPC and Algebra I

PHYSICS

Physics is the branch of science that deals with the physical world and its phenomena. Included in the course are the closely related topics of mechanics, heat, sound, light, and electricity. All students (including gifted and talented students) experience lab work, which involves detailed observation, accurate recording, experimental design, manual manipulation, in-depth data interpretation, statistical analysis, and operation of technical equipment.

Grade Placement 11-12 **1 credit**

Prerequisite: Geometry and completion or concurrent enrollment in Algebra II because of the nature of this science course, competent math skills are an integral part of a student's success in this course.

PHYSICS PRE-AP

This course is a more extensive study in the area of physics and is recommended for students who wish to take AP Physics. Included in the course are the closely related topics of mechanics, heat, sound, light, and electricity. All students (including gifted and talented students) experience lab work, which involves detailed observation, accurate recording, experimental design, manual manipulation, in-depth data interpretation, statistical analysis, and operation of technical equipment.

Grade Placement 11-12 **1 credit**

Prerequisite: Geometry and completion or concurrent enrollment in Algebra II because of the nature of this science course, competent math skills are an integral part of a student's success in this course.

BIOLOGY – ADVANCED PLACEMENT

This course outline is provided by the College Board and includes all topics that are studied in a freshman college course. Students are encouraged to take the Advanced Placement Biology test for college credit at the completion of the course. The text, content, and labs are college-level and are designed for students planning to major in science in college. All students (including gifted and talented) experience lab work, which involves detailed observation, accurate recording, experimental design, manual manipulation, in-depth data interpretation, statistical analysis, and operation of technical equipment. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 11-12 **1 credit**

Prerequisite: Biology, Chemistry (successful completion of both Pre-AP courses recommended along with good reading and organizational skills) – Will satisfy 4th Science requirement

CHEMISTRY – ADVANCED PLACEMENT

This course is an intensified study of theories and concepts begun in Chemistry with the addition of advanced bonding theories, thermodynamics, chemical kinetics, and equilibriums. As outlined by the College Board, this is a college-level course with college-level requirements and expectations. Students are encouraged to take the Advanced Placement Chemistry test for college credit at the completion of the course. The text, content, and labs are college level and are designed for students planning to major in science in college. All students (including gifted and talented) experience lab work, which involves detailed observation, accurate recording, experimental design, manual manipulation, in-depth data interpretation, statistical analysis, and operation of technical equipment. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 11-12 **1 credit**

Prerequisite: Pre-AP Chemistry (recommended) or Chemistry

Successful completion of or concurrent enrollment in Algebra II strongly recommended along with good reading and organizational skills – Will satisfy 4th Science requirement

PHYSICS – ADVANCED PLACEMENT B

This course follows the outline provided by the College Board for AP Physics Course B (non-calculus based). This is a college level course with college level labs. Students are encouraged to take the Advanced Placement test for college credit at the end of the course. Students enrolling in Physics **should have completed Pre-calculus or be concurrently enrolled in Pre-calculus**. A

familiarity with basic physics concepts will be assumed (e.g. Vectors). All students (including gifted and talented) experience lab work, which involves detailed observation, accurate recording, experimental design, manual manipulation, in-depth data interpretation, statistical analysis, and operation of technical equipment. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 11-12 **1 credit**

Prerequisite: Higher-level math skills required (Pre-calculus or higher)
Completion of Physics is Highly Recommended – Will satisfy 4th Science requirement

PHYSICS– ADVANCED PLACEMENT C

This course is an intensified study of theories and concepts begun in Physics. As outlined by the College Board, this is a college-level course with college-level requirements and expectations. Students are encouraged to take the Advanced Placement Physics C test for college credit at the completion of the course. This course focuses on mechanics and the related topics of electricity and magnetism. This heavily mathematical course will also make use of basic calculus in concept development and problem solving. The text, content, and labs are college-level and are designed for students planning to major in science or engineering in college. All students (including gifted and talented) experience lab work, which involves detailed observation, accurate recording, experimental design, manual manipulation, in-depth data interpretation, statistical analysis, and operation of technical equipment. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 12 **1 credit**

Prerequisite: Physics Pre-AP Concurrent Enrollment in AP Calculus is strongly recommended – Will satisfy 4th Science requirement

SCIENCE ELECTIVES – FULFILL 4TH SCIENCE GRADUATION REQUIREMENT

ADVANCED PLANT & SOIL SCIENCE (approved by *State Board of Education for 4th Science credit)*

A course designed to examine the interrelatedness of human, scientific, and technological dimensions of plant production using the resources of land, soil, water, energy, and living organisms. Instruction is designed to expand one's knowledge of the scientific and technological dimensions of resources necessary for plant production.

Grade Placement 12 **1 credit**

Prerequisite: At least one prior Agriculture, Food, and Natural Resources course

ADVANCED ANIMAL SCIENCE *(*approved by *the State Board of Education for 4th Science credit)*

A course designed to examine the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to expand one's knowledge of the scientific and technological dimensions of resources necessary for animal production.

Grade Placement 12 **1 credit**

Prerequisite: At least one prior Agriculture, Food and Natural Resources course

AQUATIC SCIENCE

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

Grade Placement 10-12 **1 credit**

Prerequisites: Biology and Chemistry, may be concurrently enrolled in Chemistry

ANATOMY AND PHYSIOLOGY

This course will take an integrated approach to functional anatomy with emphasis on basic principles and physiological activities of different systems (skeletal, muscular, digestive, respiratory, cardiovascular, urinary, endocrine, reproductive) in mammals. Laboratory experiences will include extensive study and dissection of a mammal. The text, content, and labs are college-level and are designed for students planning to major in science in college. The goal of this course is to better prepare students for undergraduate work in life science majors such as pre-medical or pre-dental studies.

Grade 11-12 **1 credit**

Prerequisite: Biology and Chemistry (successful completion of both)

ASTRONOMY

In Astronomy, students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky,

our place in space, the moon, reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Students who successfully complete Astronomy will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical-thinking skills.

Grade Placement 11-12 **1 credit**

Prerequisites: Biology, Chemistry

EARTH AND SPACE SCIENCE (ESS)

ESS is a capstone course designed to build on students' prior scientific and academic knowledge and skills to develop understanding of Earth's system in space and time. This course is an Earth systems approach to the themes of Earth in space and time, solid Earth, and fluid Earth.

Grade Placement 11-12 **1 credit**

Prerequisites: three units of math and science, the final courses may be taken concurrently

ENVIRONMENTAL SCIENCE – ADVANCED PLACEMENT

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science. The following themes provide a foundation for the structure of the AP Environmental Science course: Science is a process, Energy conversions underlie all ecological processes, The Earth itself is one interconnected system, Humans alter natural systems, Environmental problems have a cultural and social context, and Human survival depends on developing practices that will achieve sustainable systems. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 11-12 **1 credit**

Prerequisites: Biology, Chemistry It is strongly recommended that the student has completed or has plans to complete physics.

ENVIRONMENTAL SYSTEMS

Students taking Environmental Systems will conduct field and laboratory investigations and use scientific methods. Critical thinking skills and scientific problem solving are essential. Topics will include biotic and abiotic factors, habitats, eco-systems, and biomes, inter-relationships among resources and environmental systems, and relationships between carrying capacity and changes in population, eco-systems, and environments.

Grade Placement 11-12 **1 credit**

Prerequisites: Biology, Chemistry It is strongly recommended that the student has completed or has plans to complete physics.

FOOD SCIENCE *(*approved by the *State Board of Education for science credit)*

This technical laboratory course provides foundational training in the area of food science and technology. Content addresses food science principles; nutrition and wellness; food technology; world food supply; managing multiple family, community, and career roles; and career options in nutrition, food science, and food technology. Instructional topics include diet-related disorders, diets appropriate to the life cycle and other factors, therapeutic diets, chemical and physical changes that affect food product quality, technologies used in food processing and product development, food safety and sanitation standards, market research, legal issues, and food policies. Laboratory activities utilizing research methods related to current issues in food science, technology, and nutrition are included.

Grade Placement 11-12 **1 credit**

Prerequisite: Students must have completed at least one Hospitality & Tourism course

FORENSIC SCIENCE (approved by *the State Board of Education for 4th science credit)*

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science

Grade Placement 11-12 **1 credit**

Recommended Prerequisite: Principles of Law, Public Safety, Corrections, and Security and Law Enforcement I

MEDICAL MICROBIOLOGY *(*approved by *the State Board of Education for 4th science credit)*

In this course, students conduct laboratory investigations and fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Students will study the relationships of microorganisms to wellness

and disease. They develop knowledge and skills related to disease prevention by learning the chain of infection, asepsis, and standard precautions. Pathogenic and nonpathogenic organisms will be identified to assist in the understanding of specific diseases, causative agents, and treatment options. Should be taken with Pathophysiology.

Grade Placement 11-12 **1/2 credit**

Prerequisite: Biology and Chemistry, Chemistry may be concurrent – For 4th science credit take with Pathophysiology

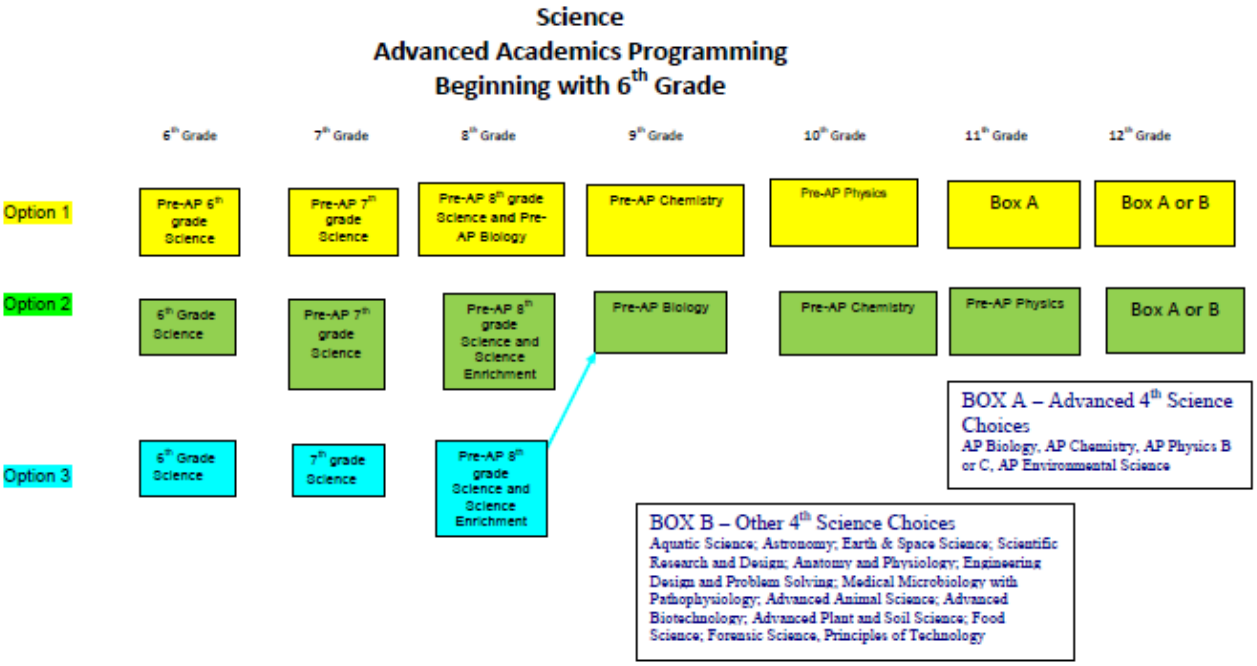
PATHOPHYSIOLOGY

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

Grade Placement 11-12 **1/2 credit**

Prerequisite: Biology, Chemistry, Anatomy and Physiology - For 4th science credit take with Medical Microbiology

Science – Pathways



SOCIAL STUDIES

World Geography	10-12	1 cr
World History	10-12	1 cr
World History Pre-AP	10	1 cr
World History – Advanced Placement	10	1 cr
U.S. History	11-12	1 cr
U.S. History – Advanced Placement	11-12	1 cr
Economics – Free Enterprise	12	½ cr
Economics – Advanced Placement Macroeconomics	12	½ cr
U.S. Government	12	½ cr
U.S. Government – Advanced Placement	12	½ cr
Social Studies Electives		
Comparative Government – Advanced Placement	11-12	½ cr
European History – Advanced Placement	11-12	1 cr
Human Geography – Advanced Placement	10-12	1 cr
Global Cultural Studies	10-12	½ cr
Psychology	11-12	½ cr
Psychology – Advanced Placement	11-12	½ cr
Sociology	11-12	½ cr
Advanced Studies – Model United Nations	10-12	½ cr
Advanced Studies – Psychology	11-12	½ cr
Special Topics in Social Studies – Contemporary World Issues	10-12	½ cr

WORLD GEOGRAPHY

This course presents information and facts about the world and how it relates to the five fundamental themes of geography: location, place, relationships within places, movement, and regions. This course should help students discern the global patterns of physical and cultural characteristics such as earth-sun relationships, climate, population, transportation and communication, economic linkages, and cultural diffusion.

Grade Placement 10-12 **1 credit**

Prerequisite: None

WORLD HISTORY

This is the story of man, his civilization and culture, his ideas and institutions from the primitive beginnings to present global challenges. It traces geopolitical, economic, and social experiences of mankind and applies them to the present. Students trace the development of Western civilization and its relationships to other great world cultures. A study of contemporary world affairs becomes an essential element of the course, as does the achievements of man in his total cultural setting.

Grade Placement 10-12 **1 credit**

Prerequisite: None

WORLD HISTORY PRE-AP

Because this class is a preparation for AP U.S. History, course content will emphasize developments in Western history but topics will also include Asian and African history to allow for a balanced understanding of the threads of history and the interrelationships and uniqueness of the earth's cultures. Although political history tends to provide the framework for the course, economic, religious, social, intellectual, diplomatic, and artistic history also will receive significant consideration. Emphasis in World History Pre AP is placed on creative thinking, independent research, and oral and written skills.

Grade Placement 10 **1 credit**

Prerequisite: None (strong writing skills recommended)

WORLD HISTORY – ADVANCED PLACEMENT

AP World History is a one-year college-level course that examines the evolution of global processes and contacts, in interaction with different types of human societies from the earliest human societies to the present. The course highlights the impact of geography, culture, trade, religion and technology during selected historical periods. A major emphasis in this course is the extent to which contact between societies resulted in the diffusion of ideas and the impact of this interaction across geographic regions with a primary focus on non-Europeans societies. AP courses in the Social Sciences cover a greater breadth of factual information and are heavily geared towards research methodology and analysis. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 10 **1 credit**

Prerequisite: Pr-AP World Geography or AP Human Geography are strongly recommended

U.S. HISTORY SINCE RECONSTRUCTION

This is a history of the Credited States from Reconstruction through the present: reconstruction, populism and progressivism, the twenties and the New Deal, the world wars, the cold war period, the Viet Nam war, the Watergate era, etc. Consideration is given to various aspects of Credited States history including economic patterns, foreign involvement, cultural and political attitudes, and a chronological overview of the history of the Credited States. Research and geographic skills are developed.

Grade Placement 11-12 **1 credit**

Prerequisite: None

U.S. HISTORY – ADVANCED PLACEMENT

Designed for juniors demonstrating advanced aptitude in social studies, this course prepares students for intermediate and advanced college courses equivalent to those of full-year introductory college courses. Students may qualify for college credit based on AP test scores. AP U.S History covers American history from its earliest history to the present. This course is designed to give students the analytical skills and factual knowledge necessary to deal critically with problems and materials in American history from colonization to the present. Students assess historical data, interpret problems, weigh evidence, and arrive at conclusions presented in historical scholarship. Both oral and written skills are used extensively. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 11-12 **1 credit**

Prerequisite: Pre-AP or AP World History strongly recommended

ECONOMICS/FREE ENTERPRISE

This course studies economics with an emphasis on the free enterprise system. Content addresses supply and demand, markets, forms of business, organization, investment, factors of business cycles, and comparative economic systems.

Grade Placement 12 **1/2 credit**

Prerequisite: None

ECONOMICS – ADVANCED PLACEMENT MACROECONOMICS

The purpose of the AP Macroeconomics course is to give students an understanding of the free enterprise system with emphasis on the principles that apply to our capitalist economy as a whole. This course examines national income and price determination, economic performance measures, economic growth, money and banking, and international economics. The class develops an understanding of the role of government in setting and maintaining national economic goals. The textbook, content, and activities are college level, and students are encouraged to take the AP Macroeconomics exam for college credit. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 12 **1/2 credit**

Prerequisite: None

U.S. GOVERNMENT

Students in this course examine political theory/application and governmental structures/functions at national, state, and local levels. Content includes a study of the U.S. Constitution, background, political parties, political participation, Congress, the Presidency, comparative political systems, and the rights and responsibilities of American citizenship.

Grade Placement 12 **1/2 credit**

Prerequisite: None

U.S. GOVERNMENT - ADVANCED PLACEMENT

This course is designed for seniors demonstrating advanced aptitude in Social Studies. It assists students to acquire a thorough and systematic comprehension of American government and politics based on an understanding of the facts, concepts, ideologies, institution, and political practices/ processes that comprise American political reality. It exceeds the regular course in both scope and depth of content. It prepares students for intermediate and advanced college courses by requiring performances equivalent to those of an introductory college course. Students may qualify for college credit based on their AP Test scores. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 12 **1/2 credit**

Prerequisite: U.S. History

SOCIAL STUDIES ELECTIVES

COMPARATIVE GOVERNMENT - ADVANCED PLACEMENT

This course introduces students to concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. Students will study major concepts and focus on the specific politics of six countries: China, Great Britain, Iran, Mexico, Nigeria, and Russia. This course will help students understand the more abstract concepts by looking at concrete examples. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 11-12 **1/2 credit**

Prerequisite: None

Counts as social studies elective for graduation plans.

EUROPEAN HISTORY - ADVANCED PLACEMENT

This course is designed for students demonstrating strong aptitude in social studies skills and possessing an interest in European history. This course prepares students for introductory and advanced level courses at a four year university. Students may earn college credit based on AP scores. The course covers European history from the Renaissance to the present. Analytical and writing skills are stressed. Students assess historical data, weigh evidence, interpret problems and study relationships between European countries and countries affected by western European historical development. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 11-12 **1 credit**

Prerequisite: Pre-AP World History or AP U.S. History strongly recommended

Counts as social studies elective for graduation plans.

GLOBAL CULTURAL STUDIES

The purpose of this course is to build on Sociology by going into more depth culturally. An example of this will be the study of art, music, religion, and family in various ethnic groups such as Native Americans, Asians, Aborigines, Africans, and Anglo-Saxons. Individual and group studies with formal papers, oral reports, demonstrations, and original concepts of presentation will be used. Material will be gleaned from many sources including magazines, newspapers, books, films, etc.

Grade Placement 10-12 **1/2** credit

Prerequisite: Sociology

Counts as elective only

HUMAN GEOGRAPHY – ADVANCED PLACEMENT

The purpose of the AP Human Geography course is to introduce students 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. On successful completion of the course, students should have developed skills that enable them to: *Use and think about maps and spatial data, Understand and interpret the implications of associations among phenomena in places, Recognize and interpret at different scales the relationships among patterns and processes, Define regions and evaluate the regionalization process, and Characterize and analyze changing interconnections among places.* **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 10-12 **1** credit

Prerequisite: None

Counts as elective if taken after successful completion of World Geography

PSYCHOLOGY

Psychology is the study of human growth, development, and behavior. Content includes an explanation of the stages of human growth and development, factors involved in learning the language development, and the development of self-concept.

Grade Placement 11-12 **1/2 credit**

Prerequisite: None

Counts as elective only

PSYCHOLOGY - ADVANCED PLACEMENT

This course is designed for students demonstrating strong aptitude in social studies skills and possessing an interest in Psychology. It exceeds the regular course in both scope and depth of content. It prepares students for intermediate and advanced college courses by requiring performances equivalent to those of an introductory college course. Students may qualify for college credit based on their AP Test scores. Students will also be enrolled in Advanced Studies – Psychology for one semester. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 11-12 **1/2 credit**

Prerequisite: None

Counts as elective only

SOCIOLOGY

This course deals with the study of people and their interaction with one another. The processes of socialization are explained and are compared with other cultures. Students analyze cause and effects of social problems as well as cultural change in selected cultures. It involves learning about institutions found in all societies, such as the family, community organizations as well as political and social activities.

Grade Placement 11-12 **1/2 credit**

Prerequisite: Completion in or concurrent enrollment in World History

Counts as elective only

ADVANCED STUDIES – MODEL UNITED NATIONS

This course will allow students to conduct in-depth research into the nation members of the United Nations. Students will prepare papers of professional quality and present resolutions to other Model United Nations students at conferences. Students will have the opportunity to work independently and collaboratively with peers to investigate problems, issues, or concerns dealing with a variety of topics provided by the national Model UN. Students will have the opportunity to experience the workings of the United Nations and to actively gain firsthand knowledge of international politics by acting as delegates to an assigned country.

Grade Placement 10-12 **1/2 credit**

Prerequisite: None

Counts as elective only

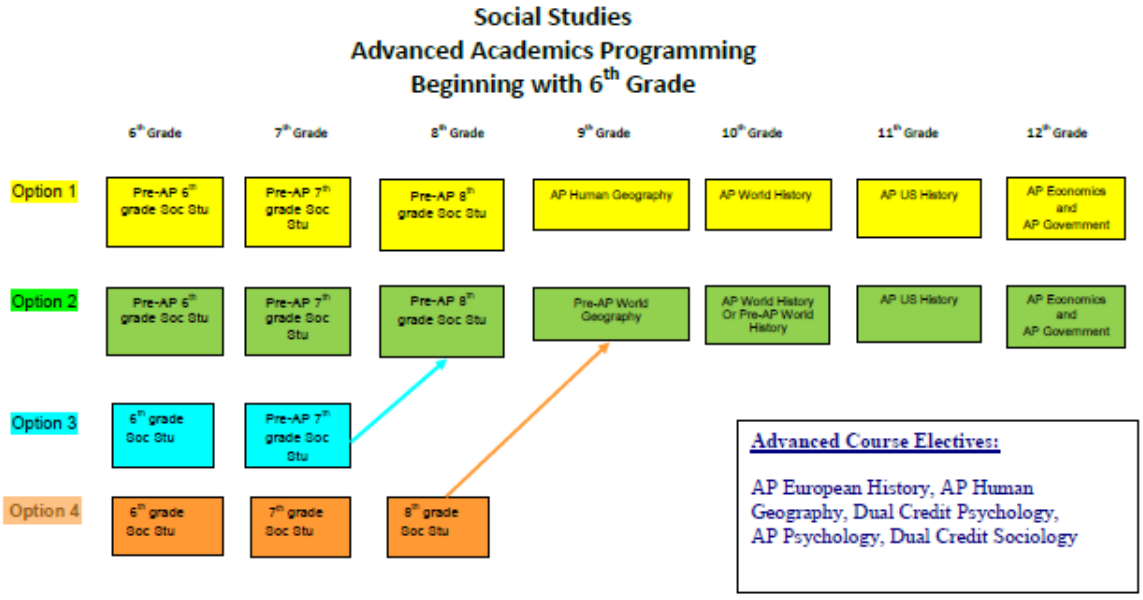
SPECIAL TOPICS IN SOCIAL STUDIES - CONTEMPORARY WORLD ISSUES

This course will facilitate the study of historical, geological, political, and economic context on immerging issues. In this course, current issues are taken from current national and international newspapers, magazines, and news shows and are analyzed using research and information from various sources. Also, through reading and reference skills, students will be required to understand how a country such as the US is organized to respond to world issues and events, making citizenship in an interdependent world a major focus. Topics will include political problems, social problems, and world crises (i.e. war, population, environment, disease, constitutional issues, politics, etc.) Students are expected to independently explore multiple news sources and evaluate varying perspectives to look for any bias. Focusing on understanding the difference between fact and opinion will be stressed to allow students to build independent thinking skills and become better-informed citizens. Oral participation is required.

Grade Placement 10-12 **1/2 credit**

Prerequisite: None

Counts as elective only



ACADEMIC AND LEADERSHIP

AVID I - IV	10-12	1 cr
College Prep	10-12	1 cr
Student Aide	10-12	1 cr
Student Leadership	10-12	1 cr
Junior Reserve Officers' Training Corps (JROTC)	10-12	1 cr
Teen Leadership I-II	11-12	½ cr
Test-Taking Strategies and Critical Thinking (TSCT)	10-12	1 cr

AVID II-IV

AVID stands for Advancement via Individual Determination: AVID is a ninth- through twelfth-grade system to prepare students in the academic middle — B, C, and even D students — who have the desire to go to college and the willingness to work hard. These are students who are capable of completing rigorous curriculum but are falling short of their potential. Typically, they will be the first in their families to attend college. AVID pulls these students out of unchallenging courses and puts them on the college track: acceleration instead of remediation.

Grade Placement 10-12 **1 credit**

Prerequisite: AVID I and Application and selection process

COLLEGE PREP

Through in-depth study and practice, this course provides students with the most efficient means of developing the various verbal and math techniques needed for a successful performance on the SAT ACT, PSAT, and other college entrance exams. Students will learn to use their time effectively to maximize their score. They will become familiar with the format of questions and the directions to each section. General test-taking strategies will be studied. This course identifies each student's strengths and weaknesses and provides directions for individual programs for the student over the semester prior to taking the test. Seniors will be given first priority in the fall semester

Grade Placement 10-12 **1/2 local credit**

Prerequisite: None

STUDENT AIDE

Students may be assigned to work with a specific supervisor in one of the office areas, in the library, with the nurse, with the computer technician, or with a classroom teacher. They must adhere to all provisions of the Student Code of Conduct and specific guidelines given during the orientation process at the beginning of the year. These guidelines outline the expectations from the student, including attendance and discipline, and the dismissal procedure. This course is a local credit and does not count toward the credits required by the recommended graduation plan. Local credits are not used in the calculation of GPA or class rank. **Students must also be available to work both semesters during the school year.**

Grade Placement 11-12 **1 local credit**

Prerequisite: S or E in citizenship the previous year, recommendation by Administrator and two teachers

STUDENT LEADERSHIP

This class is open to junior and senior students who want to have a positive impact on their high school. It is preferable that students be involved in Student Council or have other school leadership positions. This is a hands-on, lab-oriented class with an emphasis on group and individual projects. Leadership skills will be explored, discussed, and utilized. Among these skills will be parliamentary procedure, group dynamics, team building, goal setting, and communication.

Grade Placement 11-12 **1 credit**

Prerequisite: Application and selection process *(State credit for one year only)*

JUNIOR RESERVE OFFICERS' TRAINING CORPS I-IV (JROTC)

JROTC programs were designed to augment the service academies in producing leaders and managers for the armed forces. Each branch of the service has a specific set of courses and training which officers must complete prior to joining. This program is a stimulus for promoting graduation from high school, and it provides instruction and rewarding opportunities that will benefit the student, community, and nation. The JROTC program intends to teach cadets to appreciate the ethical values and principles that underlie good citizenship, to develop leadership potential while living and working cooperatively with others, to be able to think logically and to communicate effectively with others, both orally and in writing, to appreciate the importance of physical fitness in maintaining good health, to understand the importance of high school graduation for a successful future and learn about college and other advanced educations and employment opportunities, to develop mental management abilities, to become familiar with military

history as it relates to America's culture, and understand the history, purpose, and structure of the military services, and to develop the skills necessary to work effectively as a member of a team. Level 1 receives 1 PE Substitution credit.

Grade Placement 10-12 **1 credit**

Prerequisite: Application

TEEN LEADERSHIP I

Students in the Teen Leadership program will learn how to feel confident about their lives, plan time wisely, build and sustain healthy relationships, effectively speak in front of a group, use their money carefully and efficiently, take responsibility for their own actions and attitudes, and develop professional leadership skills. Students who have taken Teen Leadership discovered a real bond with their classmates from all age groups and cultures. They felt prepared for future leadership roles as examples for peers and teammates able to stand out from the crowd and ready to lead the way. The program is a highly interactive experience where students have the opportunity to present speeches, participate in group discussions and activities, write journals, work on team building and self-esteem.

Grade Placement 11-12 **1 credit**

Prerequisite: Application and selection process

TEEN LEADERSHIP II

Teen Leadership II is a program offered to upper level students who have completed and passed Teen Leadership I class requirements. This class involves the application of the lessons learned in Teen Leadership I while mentoring elementary students and participating in school and community service. Teen Leadership students are responsible for their own transportation to and from their assigned school. Students will have the opportunity to further develop their own leadership skills as well as meet and discuss with civic and community leaders about future prospects for leadership. Students must complete and return an application by the due date and have good attendance and positive teacher evaluations to be considered for this course.

Grade Placement 11-12 **1 local credit**

Prerequisite: Application and selection process

TEST-TAKING STRATEGIES AND CRITICAL THINKING (TAKS TUTORIAL LAB)

The goal of this course is to enhance test-taking strategies and promote mastery of reading, writing, math, and/or science and social studies skills. This class is designed as an in-depth study of the TAAS/TAKS objectives for students determined to master one or more sections of the TAAS/TAKS tests. Skills analysis will identify objective needs, and students will prepare for success. Test-taking strategies and the format of the test will be presented. Practice materials and computer software will be utilized to ensure student success on the TAAS/TAKS test, a graduation requirement.

Grade Placement 10-12 **1 local credit**

Prerequisite: Qualify through TAKS/Benchmark Testing

CAREER AND TECHNICAL EDUCATION COURSES

Some Career & Technical courses require travel to another Crowley ISD High School. Please check the district approved fee lists for any associated fees. Additionally, some courses may start earlier in the school day and students may be required to provide their own transportation.

The Career Clusters icons are being used with permission of the: States' Career Clusters Initiative, 2009, www.careerclusters.org

CAREER PREPARATION (COOP) I & II

This work-based class develops knowledge and skills through classroom instruction and on-the-job training. The student must work a minimum of 15 hours per week in a paid or unpaid job. The goal is to prepare students with a variety of skills for workplace entry. Students are taught employability skills such as resume building, work ethics, and teamwork. Students must be at least 16 years of age at the beginning of the school year. Students are expected to provide their own transportation. STUDENTS MUST BE EMPLOYED IN ORDER TO BE ELIGIBLE FOR THIS PROGRAM

Grade Placement 11-12 **3 credits**

Prerequisite: Student must be 16 years or older

PROBLEMS AND SOLUTIONS I

This is a project based course in which students apply research skills to complete a research project. In many CTE programs, students have the opportunity to compete with their project for scholarships. This class provides an opportunity to earn one advanced measure for the **Distinguished Achievement Program**.

Grade Placement 11-12 **1 credit**

Prerequisite: One or more courses in a CTE Program of Study

PROBLEMS AND SOLUTIONS II

This is a project based course in which students apply research skills to complete a research project. This course is a continuation of Problems and Solutions I. In many CTE programs, students have the opportunity to compete with their project for scholarships. This class provides an opportunity to earn one advanced measure for the **Distinguished Achievement Program**.

Grade Placement 11-12 **1 credit**

Prerequisite: One or more courses in a CTE Program of Study

AGRICULTURAL, FOOD & NATURAL RESOURCES FOCUSES ON THE ESSENTIAL ELEMENTS OF LIFE—water, air, food, and land. The people who work in the cluster include farmers and ranchers tending Texas crops and livestock; utility operators providing oil, electricity, and natural gas, and conservationists protecting wilderness and wildlife. They put food on our tables and turn raw materials into products we all use. For students and workers in Agriculture, Food & Natural Resources, the Earth is one giant classroom full of natural wonders to explore. If you love to be outdoors, enjoy caring for plants and animals, and want to help conserve our natural resources, then Agriculture, Food & Natural Resources could be the right career cluster for you.

Listed below are careers you might consider in the Agriculture, Food & Natural Resources cluster. These are not all of the career options but just a sampling of the variety of occupations available at different education levels. For more information, visit www.achievetexas.org.

Occupation	Average Wages	Education
Zoologist and Wildlife Biologist	$48,058	Bachelor's Degree
Farm, Ranch, and Other Agricultural Manager	$42,438	Bachelor's plus experience
Environmental Engineering Technician	$42,111	Associate's degree
Supervisor of Landscape and Grounds keeping Workers	$31,890	Work experience
Floral Designer	$19,232	On the job training
Animal Breeder	$32,859	On the job training
Veterinary Technician	$28,900	On the job training

Program of Study: Power, Structure and Technical Systems		
Course	**Credit Earned**	**Grade Level Available**
Principles of Agriculture, Food & Natural Resources	1	9 - 10
Agricultural Mechanics & Metal Technologies	1	9 - 12
Agricultural Power Systems	1	10 - 12
Agricultural Facilities Design & Fabrication	1	11 - 12

Program of Study: Power, Structure and Technical Systems (Cont'd)		
Course	**Credit Earned**	**Grade Level Available**
Select from one of the following:		
Mathematical Applications in Agriculture, Food & Natural Resources (approved as 4th math credit, see note about Algebra II)	1	10 - 12
Practicum in Agriculture, Food & Natural Resources	2	11 - 12

Program of Study: Plant Systems		
Course	**Credit Earned**	**Grade Level Available**
Principles of Agriculture, Food & Natural Resources	1	9 - 10
Horticulture Science	1	9 - 12
Landscape Design & Turf Grass Management **OR** Principles & Elements of Floral Design (approved for Fine Arts credit)	1	10 - 12
Advanced Plant & Soil Science (approved as 4th Science credit)	1	12
Select one of the following:		
Practicum in Agriculture, Food & Natural Resources	2	11 - 12
Mathematical Applications in Agriculture, Food & Natural Resources (approved as 4th math credit see note about Algebra II)	1	10 - 12
Professional Standards in Agribusiness	1	9- 12

Program of Study: Animal Systems		
Course	**Credit Earned**	**Grade Level Available**
Principles of Agriculture, Food & Natural Resources	1	9 - 10
Small Animal Management	1	9 - 12
Equine Science	1	9 - 12
Livestock Production	1	10 - 12
Veterinary Medical Applications	1	11 - 12
Advanced Animal Science	1	12
Select one of the following:		
Professional Standards in Agribusiness	1	9 - 12
Mathematical Applications in Agriculture, Food & Natural Resources (approved as 4th math credit), see note about Algebra II	1	10 - 12
Practicum in Agriculture, Food & Natural Resources	2	11 - 12

Program of Study: Natural Resource Systems		
Course	**Credit Earned**	**Grade Level Available**
Principles of Agriculture, Food & Natural Resources	1	9 - 10
Wildlife Fisheries & Ecology Management	1	9 - 12
Range Ecology & Management	1	10 - 12
Select one of the following:		
Professional Standards in Agribusiness	1	9- 12
Mathematical Applications in Agriculture, Food & Natural Resources (approved as 4th math credit, see note about Algebra II)	1	10 - 12
Practicum in Agriculture, Food & Natural Resources	2	11 - 12
Advanced Plant & Soil Science (approved as 4th Science credit)	1	12

PRINCIPLES OF AGRICULTURE, FOOD & NATURAL RESOURCES

This course helps students prepare for careers in agriculture, food and natural resources, students must develop academic skills and knowledge in agriculture. This course covers career opportunities, leadership, communications, and the FFA. Technical agricultural topic covered will include: soils, plants, animals, agricultural construction, and food science.

Grade Placement 9-10 **1 credit**

Prerequisite: None this is the first course in the Agriculture, Food & Natural Resources sequence

PROFESSIONAL STANDARDS IN AGRIBUSINESS

This course provides an opportunity for students to learn through hands-on experience how to be a successful worker in the modern workplace. Students learn how to present themselves in a professional manner while learning effective leadership techniques; communicate effectively within groups and individuals and develop problem solving skills necessary in the agribusiness work place.

Grade Placement 9-12 **1 credit**

Prerequisite: None ; 9th graders must have previously taken Principles of Agriculture, Food & Natural Resources. This course is included in four programs of study: Plant Systems, Animal Systems, Natural Resource Systems, and Power, Structural, and Technical Systems.

PRACTICUM IN AGRICULTURE, FOOD & NATURAL RESOURCES

The practicum or Coop course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources cluster. Students are required to serve in paid or unpaid internship opportunities. Students must provide transportation to internship opportunities.

Grade Placement 11-12 **2 credit**

Prerequisite: At least one prior Agriculture, Food, and Natural Resources course

MATHEMATICAL APPLICATIONS IN AGRICULTURE, FOOD & NATURAL RESOURCES *(approved by State Board of Education for math credit – see Recommended Graduation Plan in appendix)*

In this course, students will apply academic skills in mathematics, including algebra, geometry, and data analysis in the context of agriculture, food, and natural resources. To prepare for success, students are afforded opportunities to reinforce, apply, and transfer their knowledge and skills related to mathematics in a variety of contexts.

Grade Placement 10 - 12 **1 credit**

Prerequisite: At least one prior Agriculture, Food, and Natural Resources course, and must be taken prior to Algebra II for students who began 9th grade in 2011-12 or earlier or for students who began 9th grade in 2012-13 must be taken after or concurrently with Algebra II to use for fourth math credit.

PROGRAM OF STUDY: Power, Structure, and Technical Systems

AGRICULTURAL MECHANICS & METAL TECHNOLOGIES

A course designed to introduce basic theory and specialized skills in agricultural mechanics. Skills to be developed include tool identification and safe use, carpentry, electricity, plumbing, masonry, fencing, painting, metal working, and welding processes.

This course was previously named Introduction to Agricultural Mechanics.

Grade Placement 9-12 **1 credit**

Prerequisite: None; 9th graders must have previously taken Principles of Agriculture, Food & Natural Resources.

AGRICULTURAL POWER SYSTEMS

This course focuses on oxy-fuel and electric cutting and welding; electricity; building planning construction; and small engine, equipment, and machinery maintenance and repair.

Grade Placement 10-12 **1 credit**

Prerequisite: None

AGRICULTURAL FACILITIES DESIGN & FABRICATION

A course designed to develop skills in the maintenance, evaluation, design, and building of agricultural structures using approved construction techniques. Large and small projects are included.

This course was previously named Agricultural Structures Technology

Grade Placement 11-12 **1 credit**

Prerequisite: Agriculture Power Systems or Agricultural Mechanics & Metal Technologies

PROGRAM OF STUDY: Plant Systems

HORTICULTURE SCIENCE

A course designed as an introduction to horticultural sciences with emphasis on technical skills, entrepreneurship, and career opportunities. Students will work with plants in the greenhouse; learn about plant propagation, pests, plant growth and plant care.

This course was previously named Introduction to Horticultural Science

Grade Placement 9-12 **1 credit**

Prerequisite: None; 9th graders must have previously taken Principles of Agriculture, Food & Natural Resources.

LANDSCAPE DESIGN & TURF GRASS MANAGEMENT

A course designed to develop skills in the design, construction, and maintenance of planted areas and devices for the beautification of home grounds and other areas of human habitation and recreation. Students will develop the skills to make landscape designs as well as identify plants used in the landscape.

This course was previously named Landscape Design, Construction and Maintenance

Grade Placement 10-12 **1 credit**

Prerequisite: None

PRINCIPLES & ELEMENTS OF FLORAL DESIGN *(*approved by *State Board of Education for Fine Arts credit)*

A course designed to develop skills in the design and arrangement of flowers, foliage, and related plant materials for interior locations. Students will make a variety of floral designs as well as plan a wedding, and learn the basics of running a florist. Students will have the opportunity to take a certification exam through the Texas State Florist Association.

This course Floral Design and Interior Landscape Management

Grade Placement 10-12 **1 credit**

Prerequisite: None

Supply Fee: See district approved fee list

ADVANCED PLANT & SOIL SCIENCE (approved by State Board of Education for 4th Science credit) A course designed to examine the interrelatedness of human, scientific, and technological dimensions of plant production using the resources of land, soil, water, energy, and living organisms. Instruction is designed to expand one's knowledge of the scientific and technological dimensions of resources necessary for plant production.

Grade Placement 12 **1 credit**

Prerequisite: At least one prior Agriculture, Food, and Natural Resources course

PROGRAM OF STUDY: Animal Systems

SMALL ANIMAL MANAGEMENT

In this course, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Suggested small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats.

Grade Placement 9-12 **1 credit**

Prerequisite: None; 9th graders must have previously taken Principles of Agriculture, Food & Natural Resources.

EQUINE SCIENCE

A course designed to develop knowledge and skills pertaining to the selection, nutrition, reproduction, health, and management of horses.

Grade Placement 9-12 **1 credit**

Prerequisite: None; 9th graders must have previously taken Principles of Agriculture, Food & Natural Resources.

LIVESTOCK PRODUCTION

In this course, students will examine animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry.

Grade Placement – 10-12 **1 credit**

Prerequisite: None

VETERINARY MEDICAL APPLICATIONS

A course designed to review veterinary practices as they relate to both large and small animal species. Students will have the opportunity to take the Texas Veterinary Medical Association, Certified Veterinary Assistant Level I Exam.

Grade Placement 11-12 **1 credit**

Prerequisite: Small Animal Management and Equine Science or Livestock Production

Supply Fee: See district approved fee list

ADVANCED ANIMAL SCIENCE *(*approved by *the State Board of Education for 4th Science credit)*

A course designed to examine the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to expand one's knowledge of the scientific and technological dimensions of resources necessary for animal production.

Grade Placement 12 **1 credit**

Prerequisite: At least one prior Agriculture, Food and Natural Resources course

PROGRAM OF STUDY: Natural Resource Systems

WILDLIFE FISHERIES & ECOLOGY MANAGEMENT

A course designed to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources. Students will have the opportunity to take the Texas Parks and Wildlife Hunter Education exam.

This course was previously named Wildlife and Recreation Management

Grade Placement 9-12 **1 credit**

Prerequisite: None; 9th graders must have previously taken Principles of Agriculture, Food & Natural Resources.

Supply Fee: See district approved fee list

RANGE ECOLOGY & MANAGEMENT

Instruction will include the study and development of technical skills in renewable natural resources, range plants, ecosystems, water cycles, range conditions, carrying capacities, livestock management, wildlife management, and research. Information about safe working practices, record keeping, career exploration, and leadership will be included.

This course was previously named Range Management and Ecology

Grade Placement 10-12 **1 credit**

Prerequisite: None

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

Listed below are careers you might consider in the Architecture & Construction cluster. These are not all of the career options but just a sampling of the variety of occupations available at different education levels. For more information, visit www.achievetexas.org.

Occupation	Average Wages	Education
Landscape Architect	$50,143	Bachelor's degree
Interior Designer	$45,374	Bachelor's degree
Mechanical Drafter	$48,106	Postsecondary award
Architectural and Civil Drafter	$39,300	Postsecondary award
Security and Fire Alarm Systems Installer	$30,046	Postsecondary award
Cost Estimator	$41,256	On the job training

Program of Study: Interior Design		
Course	**Credit Earned**	**Grade Level Available**
Principles of Architecture & Construction	1	9-12
Interior Design	1	9-12
Advanced Interior Design	2	10-12
Architectural Design	1	10-12
Advanced Architectural Design	2	11-12
Practicum in Interior Design Or Practicum in Architectural Design	2	11-12

PROGRAM OF STUDY: Interior Design

PRINCIPLES OF ARCHITECTURE & CONSTRUCTION

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

Grade Placement 9-12 **1 credit**

Prerequisite: None

INTERIOR DESIGN

This technical laboratory course focuses on the design of residential and nonresidential interior environments to achieve occupant well-being and productivity. Content addresses design practices and influences, lighting, materials, furnishings, legal considerations, and the impact of technology on interiors. Budgeting, consumer decision making, safety, the care and maintenance of interiors, career preparation, and the management of multiple adult roles are emphasized.

Grade Placement 9-12 **1 credit**

Recommended Prerequisite: None

ADVANCED INTERIOR DESIGN

This technical laboratory course focuses on the management of family housing needs, housing and the environment, and career preparation. Content includes types of housing, legal and financial aspects of housing, home safety and maintenance, space utilization, factors affecting housing choices, technology applications, and basic housing construction features. Other topics are interior and exterior environmental issues impact of housing decisions on managing multiple family, community, and career roles; career options; and housing trends for the future.

Grade Placement 10-12 **2 credit**

Prerequisite: Interior Design

ARCHITECTURAL DESIGN

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

This course was previously named *Architectural Graphics.*

Grade Placement 10-12 **1 credit**

Prerequisite: Algebra I, Geometry, and it is suggested, but not required, to have previously taken Principles of Architecture and Construction

ADVANCED ARCHITECTURAL DESIGN

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

Grade Placement 11-12 **2 credit**

Recommended Prerequisite: Architectural Design or Advanced Interior Design

PRACTICUM IN INTERIOR DESIGN

The practicum course is a paid or unpaid capstone experience or independent study course for students participating in a coherent sequence of career and technical education courses in the field of interior design. Students are required to serve in paid or unpaid internship opportunities. Students must provide transportation to internship opportunities.

Grade Placement 11-12 **2 credit**

Prerequisite: At least one course in Interior Design

PRACTICUM IN ARCHITECTURAL DESIGN

Practicum in Architectural Design is an occupationally specific course designed to provide technical instruction in architectural design. Safety and career opportunities are included in addition to work ethics and architectural design study. Students are required to serve in paid or unpaid internship opportunities. Students must provide transportation to internship opportunities.

Grade Placement 11-12 **2 credit**

Prerequisite: completion of a coherent sequence in a program area related to the field of architectural design

AS SHAKESPEARE OBSERVED, ALL THE WORLD'S A STAGE. And artistic expression is all around us – on TV and radio, at the movies, on the Web, in our MP3 players. People who work in the Arts, Audio/Video Technology & Communications cluster may entertain and inform through an ever-growing array of new media forms such as cell phone ringtones, text messaging, and shared online videos. A world of audio-visual technology and communications professionals—including fashion designers, website designers, video game programmers, and multimedia artists—makes it all possible. If you have a calling to be creative, yearn to express yourself, or love using new technologies, then Arts, A/V Technology & Communications may be the right career cluster for you.

Listed below are careers you might consider in the Arts, A/V Technology & Communications cluster. These are not all of the career options but just a sampling of the variety of occupations available at different education levels. For more information, visit www.achievetexas.org.

Occupation	Average Wages	Education
General Media & Communication Worker	$65,000	Bachelor's degree
Film Editor	$60,000	Bachelor's degree
Graphic Designer	$51,000	Bachelor's degree
Camera Operator in TV/Video	$50,000	Bachelor's degree
Photographer	$54,335	On the job training
Sound Technician	$50,000	On the job training
Audio-Visual Equipment Technician	$43,848	On the job training plus Degree in some instances

Program of Study: Graphic Design		
Course	**Credit Earned**	**Grade Level Available**
Principles of Arts, A/V Technology & Communications	1	8 - 9
Professional Communications	0.5	9 - 12
Graphic Design & Illustration	1	9 - 12
Advanced Graphic Design and Illustration	2	10 - 12
Practicum in Graphic Design and Illustration	2	11 - 12

Program of Study: Animation		
Course	**Credit Earned**	**Grade Level Available**
Principles of Arts, A/V Technology & Communications	1	8 - 9
Professional Communications	0.5	9 - 12
Graphic Design & Illustration	1	9 - 12
Animation	1	10 - 12
Advanced Animation	2	11 - 12

Program of Study: Audio and Video Technology		
Course	**Credit Earned**	**Grade Level Available**
Principles of Arts, A/V Technology & Communications	1	8-9
Professional Communications	0.5	9-12
Audio/Video Production	1	10-12
Advanced Audio/Video Production	2	11-12
Practicum in Audio/Video Production	2	12

Program of Study: Commercial Photography		
Course	**Credit Earned**	**Grade Level Available**
Principles of Arts, A/V Technology & Communications	1	8 - 9
Professional Communications	0.5	9 - 12
Graphic Design & Illustration	1	9 - 12
Commercial Photography	1	10 - 12
Advanced Commercial Photography	1	11 - 12

Program of Study: Fashion Design		
Course	**Credit Earned**	**Grade Level Available**
Principles of Arts, A/V Technology & Communications	1	8 -10
Professional Communications	0.5	9 - 12
Fashion Design	1	9 - 12
Advanced Fashion Design	2	10 - 12
Practicum in Fashion Design	2	11 - 12

PRINCIPLES OF ARTS, A/V TECHNOLOGY & COMMUNICATIONS

Principles of Arts, A/V Technology & Communications is designed to introduce learners to the various careers available within the Arts, A/V Technology & Communications career cluster. People who work in the Arts, A/V Technology & Communications cluster may entertain and inform through an ever-growing array of new media forms such as cell phone ringtones, text messaging, and shared online videos. A world of audio-visual technology and communications professionals—including fashion designers, website designers, video game programmers, and multimedia artists—makes it all possible.

Grade Placement 8-10 **1 credit**

Prerequisite: None

PROFESSIONAL COMMUNICATIONS

This course blends written, oral, and graphic communication in a career-based environment. Professional Communications satisfies the speech requirement for all graduation plans along with Communication Application.

Grade Placement 9-12 **1/2 credit**

Prerequisite: None

PROGRAM OF STUDY: Graphic Design

GRAPHIC DESIGN & ILLUSTRATION

This class will give students an opportunity to express and design creative ideas visually for a growing field. Commercial art concepts and design strategies will be explored using design principles and art elements for creating ads, logos, newsletters, magazine covers, posters and more. Students will learn to create and design artwork for projects using Adobe software.

Grade Placement 9-12 **1 credit**
Prerequisite: None

ADVANCED GRAPHIC DESIGN & ILLUSTRATION

This advanced class will provide opportunities for students wanting to expand their skills and knowledge of the graphic arts and illustration field. Students will illustrate their designs and use the design process for presenting design ideas to clients. Students will create commercial artwork, ads, logos, poster and magazine designs, and packaging for 3D designs. Students will explore aspects of careers in the growing field of advertising and visual communications industry.

Grade Placement 10-12 **2 credit**
Prerequisite: Graphic Design & Illustration

PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION

Careers in graphic design and illustration span all aspects of the advertising and visual communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Grade Placement 11-12 **2 credit**
Prerequisite: Advanced Graphic Design & Illustration

PROGRAM OF STUDY: Animation

ANIMATION

This course is an introduction to 2-D and 3-D computer animation using industry standard software and hardware. The course will include script writing, storyboarding, and production of professional animations. Software will include art programs and 2-D/3-D animation; 2-D shapes will be used to create 3-D models. Design and composition will be used to create 3-D scenes. This interdisciplinary course will use the Internet and other resources to research and develop computer animated projects.

Grade Placement 10-12 **1 credit**
Prerequisite: None

ADVANCED ANIMATION

In this course, instruction will enhance skill development in modeling, storyboarding, and animation. Introduction to multimedia presentation management will be included in this project oriented class with research into various areas of the animation industry.

Grade Placement 11-12 **2 credit**
Prerequisite: Animation

PROGRAM OF STUDY: Commercial Photography

COMMERCIAL PHOTOGRAPHY

Students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs. Students will learn commercial composition, print-making and editing photos in Photoshop.

Grade Placement 10-12 **1 credit**
Prerequisite: None

ADVANCED COMMERCIAL PHOTOGRAPHY

A course designed to provide job-specific training for entry-level employment in the commercial photography career field. Emphasis is on basics of photography, commercial composition, print-making, and finishing.

Grade Placement 11-12 **1 credit**
Prerequisite: Commercial Photography

PROGRAM OF STUDY: Fashion Design

FASHION DESIGN

In this course, instruction will enhance skill development in fashion, textile, and apparel projects. The course covers, clothing & society, introduction to fashion design through sketching, principles of design, history of fashion, fashion industry, clothing care, careers in fashion, apparel construction and employment skills

This course was previously named Textile & Apparel Design

Grade Placement 10-12 **1 credit**
Prerequisite: None
Supply fee: See approved district fee list

ADVANCED FASHION DESIGN – This technical laboratory course focuses on Fashion design and production. Content addresses development of fashion, image analysis, textile art, textile analysis, advanced design techniques, pattern making, advanced clothing and construction, fashion show production and employment skills.

Grade Placement 10-12 **2 credit**
Prerequisite: Fashion Design
Supply fee: See approved district fee list

PRACTICUM IN FASHION DESIGN

This practicum is a capstone experience for students participating in the fashion design program of study with emphasis on fashion promotions and retailing. Content includes paid or unpaid opportunities in fashion, product development, retail merchandising, marketing, fashion promotion and visual display, business procedure, fashion even production, and laws & ethics. Students must provide transportation to internship opportunities.

Grade Placement 11-12 **2 credit**
Prerequisite: Advanced Fashion Design
Supply fee: See approved district fee list

PROGRAM OF STUDY: Audio/Video Production

AUDIO/VIDEO PRODUCTION

Students will be expected to develop an understanding of the industry with a focus on pre-production, post-production audio and live audio and video technical skills and concepts. Instruction will include operation of different types of cameras, audio techniques and equipment, electronic editing, graphics for TV, lighting and lighting control consoles, script writing, direction, production, and leadership training.

Grade Placement 10-12 **1 credit**
Prerequisite: None; Grade 9 with prerequisite Principles of Arts & A/V Technology and Communication

ADVANCED AUDIO/VIDEO PRODUCTION

A course designed to provide an advanced understanding of career opportunities, training requirements and skills needed to pursue a career in Audio and Video Production. Students will continue developing their skills in operating cameras, electronic editing, producing direction and writing for television/film. Working in this industry, students will be expected to have good communication and leadership skills. This is something that we will incorporate into our projects.

Grade Placement 10-12 **1 credit**
Prerequisite: None

PRACTICUM IN AUDIO/VIDEO PRODUCTION

The practicum course is a paid or unpaid capstone for students participating in a coherent sequence of career and technical education courses in the field of Audio/Video Production. Students are required to serve in paid or unpaid internship opportunities. Students must provide transportation to internship opportunities.

Grade Placement 10-12 **2 credit**
Prerequisite: None

BUSINESS, FINANCE & MARKETING

These two courses are part of the following career clusters: Business Management & Administration, Finance, and Marketing, Sales & Service

PRINCIPLES OF BUSINESS, MARKETING & FINANCE

Principles of Business, Marketing & Finance is designed to introduce learners to the various careers available within the Business, Management & Administration, Marketing, and Finance career cluster. Business touches everything in your world. It's behind the food you eat, the vehicles you drive, the clothes you wear—every product or service you consume is the result of a business somewhere organizing the people, money, materials, and other resources to deliver that product or service to you.

Grade Placement 8-12 **1/2 credit**
Prerequisite: None

TOUCH SYSTEM DATA ENTRY

Keyboarding is designed to teach students the computer keyboard by touch. Students will enhance reading, writing, computing, communications, and reasoning skills and apply them to the business environment. It will enable students to format school assignments more quickly and accurately plus experience a greater degree of success in more advanced computer courses.
This course was previously named *Keyboarding*

Grade Placement 7-9 **1/2 credit**
Prerequisite: None

BUSINESS TOUCHES EVERYTHING IN YOUR WORLD. It's behind the food you eat, the vehicles you drive, the clothes you wear—every product or service you consume is the result of a business somewhere organizing the people, money, materials, and other resources to deliver that product or service to you. From chief executive officers (CEOs) overseeing worldwide organizations of hundreds of thousands of workers to receptionists answering phones, well-educated employees make businesses run more smoothly and profitably. The skills you learn in Business, Management & Administration can make you an attractive job applicant for any company.

Listed below are careers you might consider in the Business Management & Administration cluster. These are not all of the career options but just a sampling of the variety of occupations available at different education levels. For more information, visit www.achievetexas.org.

Occupation	Average Wages	Education
Administrative Services Manager	$65,345	Bachelor's degree
Medical Secretary	$26,214	Postsecondary award
Legal Secretary	$36,769	Postsecondary award
Executive Secretary and Administrative Assistant	$33,579	On the job training
Office Clerk, General	$21,946	On the job training
Receptionist and Information Clerk	$21,570	On the job training

Program of Study: Business Information Management		
Course	**Credit Earned**	**Grade Level Available**
Principles of Business, Marketing & Finance	0.5	8-12
Touch System Data Entry	0.5	7-9
Business Information Management I	1	9-12
Business Information Management II	1	10-12
Business Law	1	11-12

BUSINESS INFORMATION MANAGEMENT I

BIM I introduces the basic concepts and skills related to business application. Special emphasis is placed on word processing, spreadsheets, database, presentation, and integrating application software. A windows format is utilized, and Microsoft Office is the current program of choice. This course was previously named *BCIS I.*

Grade Placement 9-12 **1 credit**

Prerequisite: Touch System Data Entry

BUSINESS INFORMATION MANAGEMENT II

This course is a continuation of BIM I with emphasis on more in-depth features of Word, Excel, and PowerPoint. Students will also be working in Access and Publisher. This course prepares students to take the Microsoft Office Specialist (MOS) certification exam. This is a global certification that is a standard requirement among employers.

This course was previously named *BCIS II.*

Grade Placement 10-12 **1 credit**

Prerequisite: BIM I

Supply Fee: See District approved list

BUSINESS LAW

Business Law is designed to teach students the rules, principles, and language of law. Students will relate law to their current lives as well as explore the implications in their futures. The course includes a focus on criminal vs. civil law, contract law, tort law, and consumer protection law.

Grade Placement 11-12 **1 credit**

Prerequisite: None

Money makes the world go round—and there is plenty of it in Texas. In fact, if our state were its own country, it would be the 10th-largest economy in the world, ranking right between Spain and South Korea. There are about 750 banks in Texas and thousands more brokerage, financial-service, insurance, and accounting firms. Professionals who work in these companies manage investments and make loans, pay for storm damage, sell bonds and stock ATMs with cash, and more. If you are good at numbers, want to play the stock market, or enjoy working with the public, then Finance could be the right career cluster for you.
Listed below are careers you might consider in the Finance cluster. These are not all of the career options but just a sampling of the variety of occupations available at different education levels. For more information, visit www.achievetexas.org.

Occupation	Average Wages	Education
Economist	$80,939	Master's degree
Accounting and Auditor	$54,869	Bachelor's degree
Loan Counselor	$34,186	Bachelor's degree
Tax Preparer	$27,956	On the job training
Payroll and Timekeeping Clerk	$29,061	On the job training
Teller	$20,843	On the job training

Program of Study: Finance		
Course	**Credit Earned**	**Grade Level Available**
Principles of Business, Marketing & Finance	0.5	8-10
Touch System Data Entry	0.5	7-9
Money Matters	0.5	9-12
Accounting I	1	10-12
Accounting II	1	10-12
Statistics & Risk Management (approved as 4th math credit)	1	11-12

MONEY MATTERS

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

Grade Placement 9-12 **1/2 credit**
Prerequisite: None

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. Accounting develops the knowledge, skills, 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 some data electronically.

Grade Placement 10-12 **1 credit**
Prerequisite: None

ACCOUNTING II

Provides for review and further development of fundamental accounting principles with extensive use of technology; incorporates complete accounting cycle in relation to formation and dissolution of partnerships. Examines characteristics of corporate organization and ownership, including investments and distribution of earnings; includes adjustments of 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; and develops skill in applying principles used in accounting systems and

methods commonly found in business. Accounting II is designed for students interested in studying accounting at the postsecondary level or entering the workforce.

Grade Placement 10-12 **1 credit**

Prerequisite: Accounting I

STATISTICS & RISK MANAGEMENT *(approved for math credit from State Board of Education – see Graduation Plans in appendix)* Students will use a variety of graphical and numerical techniques to analyze patterns and departures from patterns to identify and manage risk that could impact an organization. Students will use probability as a tool for anticipating and forecasting data within business models to make decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid.

Grade Placement 11-12 **1 credit**

Prerequisite: Accounting I and Algebra II

BUILDING A CAREER IN THE BOOMING FIELD OF MARKETING, SALES & SERVICE STARTS WITH SELLING YOU. You need to think of yourself as a "product" and define the features and benefits that will attract your "customers"—the employers that might hire you. Your resume like an advertisement telling your story clearly and compellingly by detailing the education, experience, and skills you have that qualify you for the job. If you want to learn how to package yourself for success, sell any type of product or service, or serve all kinds of customers, then Marketing, Sales& Service may be the right cluster for you.

Listed below are careers you might consider in the Marketing cluster. These are not all of the career options but just a sampling of the variety of occupations available at different education levels. For more information, visit www.achievetexas.org.

Occupation	Average Wages	Education
Market Research Analyst	$61,130	Master's degree
Advertising and Promotions Manager	$68,286	Bachelor's plus experience
Public Relations Specialist	$49,302	Bachelor's degree
Customer Service Representative	$26,328	On the job training
Advertising Sales Agent	$48,986	On the job training
Cashier	$16,049	On the job training

Program of Study: Marketing		
Course	**Credit Earned**	**Grade Level Available**
Principles of Business, Finance & Marketing	0.5	8-10
Entrepreneurship	0.5	9 -12
Fashion Marketing	1	10-12
Retailing & E-tailing	0.5	10-12
Sports & Entertainment Marketing	0.5	9-12
Advertising & Sales Promotion	0.5	10-12
Marketing Dynamics	2	11-12
Practicum in Marketing Dynamics	2	12

ENTREPRENEURSHIP

Students will gain the knowledge and skills to become and 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 and securing the finances to own and operate a business.

Grade Placement 10-12 **1/2 credit**

Prerequisite: None

FASHION MARKETING

A specialized course designed for students who have a career interest in apparel and/or accessories marketing. Instruction will cover all aspects of the fashion industry including fashion promotion, textiles, selling, visual merchandising and career opportunities. Students will learn terminology specific to the field and how to forecast trends in the fashion industry.

Grade Placement 10-12 **1 credit**

Prerequisite: None

RETAILING & E-TAILING

In this course, students will have the opportunity to develop skills that involve electronic media techniques necessary for a business to compete in a global economy. Students will coordinate online and off-line marketing. Students will demonstrate critical-thinking skills using decision-making models, case studies, various technologies, and business scenarios.

Grade Placement 10-12 **1/2 credit**

Prerequisite: None

SPORTS & ENTERTAINMENT MARKETING

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

Grade Placement 9-12 **1/2 credit**

Prerequisite: None

ADVERTISING & SALES PROMOTION

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

Grade Placement 9-12 **1/2 credit**

Prerequisite: None

MARKETING DYNAMICS

Marketing is a series of dynamic activities that focus on the customer to generate a profitable exchange. Students gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions. This course may include paid or unpaid career preparation experience. Students must work a minimum of 15 hours per week in a paid position. Students are expected to provide their own transportation. STUDENTS MUST BE EMPLOYED IN ORDER TO BE ELIGIBLE FOR THIS PROGRAM.

Grade Placement 11-12 **3 credit**

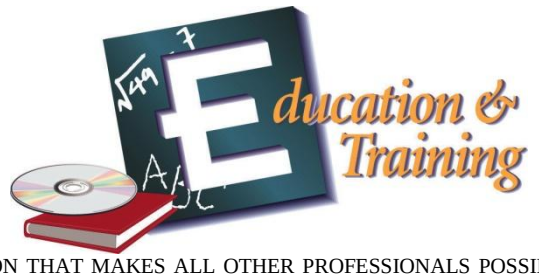
Prerequisite: Principles of Business, Marketing, and Finance

PRACTICUM IN MARKETING DYNAMICS

Through course required employment, students gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to create the marketing mix. This course covers technology, communication, and customer-service skills. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical education courses in marketing education. Students must provide transportation to internship opportunities.

Grade Placement 12 **3 credits**

Prerequisite: Marketing Dynamics



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

Listed below are careers you might consider in the Education & Training cluster. These are not all of the career options but just a sampling of the variety of occupations available at different education levels. For more information, visit www.achievetexas.org.

Occupation	Average Wages	Education
Library Science Teacher, Postsecondary	$54,542	Doctoral degree
Educational, Career and Technical, and School Counselor	$48,735	Master's degree
Special Education Teacher, Secondary	$42,986	Bachelor's degree
Kindergarten Teacher	$40,436	Bachelor's degree
Library Assistant, Clerical	$20,262	On the job training
Teacher Assistant	$16,773	On the job training

Program of Study: Education and Training		
Course	**Credit Earned**	**Grade Level Available**
Principles of Education & Training	1	9-10
Human Growth & Development	1	10-12
Instructional Practice in Education & Training	2	11-12
Practicum in Education & Training	2	11-12

PRINCIPLES OF EDUCATION & TRAINING

Principles of Education and Training is designed to introduce learners to the various careers available within the education and training career cluster. Students will be introduced to careers in early childhood, child care, and teaching careers in elementary and secondary schools.

Grade Placement 9-10 **1 credit**

Prerequisite: None

HUMAN GROWTH& DEVELOPMENT

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. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

Grade Placement 10-12 **1 credit**

Recommended Prerequisite: Principles of Education & Training

INSTRUCTIONAL PRACTICE IN EDUCATION & TRAINING

Instructional Practices in Education and Training is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators or trainers in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel. Students will intern in a local CISD elementary, intermediate, or middle school. Students must provide their own transportation.

This course was previously named Ready, Set, Teach I

Grade Placement 11-12 **2 credit**

Recommended Prerequisite: Principles of Education & Training and Human Growth & Development

PRACTICUM IN EDUCATION & TRAINING

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel. Students will intern in a local CISD elementary, intermediate, or middle school. Students must provide their own transportation.

This course was previously named Ready, Set, Teach II

Grade Placement 11-12 **2 credit**

Recommended Prerequisite: Principles of Education & Training, Human Growth & Development, and Instructional Practice in Education & Training

EVERYONE NEEDS HEALTH CARE. From newborns to seniors, Texans require professionals who are experts at diagnosing and treating disease, using medical technologies, and providing preventive care. Although everyone thinks of doctors and nurses when they contemplate careers in health care, there are hundreds of other specialties available in the Health Science cluster, including technicians, skilled support personnel, dentists, and scientists. In fact, a typical medical center is a giant business with employees as varied as aides and CEOs (chief executive officers). As the baby boomer generation in Texas ages, demand for health services grows, meaning that job security in the cluster is strong. If you feel a calling to care for others, won't faint at the sight of blood, or want to pursue a profession on the cutting edge of technology, then Health Science may be the right career cluster for you.
Listed below are careers you might consider in the Health Sciences cluster. These are not all of the career options but just a sampling of the variety of occupations available at different education levels. For more information, visit www.achievetexas.org.

Occupation	Average Wages	Education
Audiologist	$51,825	Master's degree
Dentist, General	$139,140	Professional degree
Medical Records and Health Information Technician	$24,685	Associate's degree
Nursing Aide, Orderly, and Attendant	$18,322	On the job training
Pharmacy Technician	$25,009	On the job training
Physical Therapist	$67.774	Master's degree

Program of Study: Health Science		
Course	**Credit Earned**	**Grade Level Available**
Principles of Health Science	0.5	9-10
Health Science	1	10-11
Lifetime Nutrition & Wellness	0.5	9-12
Counseling and Mental Health	1	10-12
Anatomy & Physiology (approved as 4th science credit)	1	11-12
Medical Microbiology (approved as 4th science credit)	0.5	11-12
with Pathophysiology	0.5	11-12
Practicum in Health Science	2	11-12

PRINCIPLES OF HEALTH SCIENCE

Principles of Health Science is designed to introduce learners to the various careers available within the Health Sciences career cluster. Students will be introduced to careers such as nursing, dental, physician, pharmacy, mental health, and other high demand medical careers. This single semester course should be paired with Medical Terminology or Lifetime Nutrition and Wellness.

Grade Placement 9-10 **1 credit**
Prerequisite: None
Supply Fee: See district approved fee list

HEALTH SCIENCE

A course designed to develop healthcare-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 learning experiences in health care.

Grade Placement 10-11 **1 credit**
Recommended Prerequisite: Principles of Health Science Recommended
Supply Fee: See district approved fee list

LIFETIME NUTRITION & WELLNESS

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 and tourism, education and training, human services, and health sciences**. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Grade Placement 9-12 **1/2 credit**
Prerequisite: None

COUNSELING AND MENTAL HEALTH

This course offers knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of ethical and legal responsibilities, limitations, and the implications of their actions. Professional integrity in counseling and mental health care is dependent on acceptance of ethical and legal responsibilities.

Grade Placement 10-12, 1 credit

Recommended Prerequisite: Principles of Human Services or Principles of Health Science

ANATOMY & PHYSIOLOGY *(*approved by *the State Board of Education for 4th science credit, currently a science elective – See Science courses).*

In this course, students conduct laboratory investigations and fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. Students will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems.

Grade Placement 11-12 **1 credit**

Prerequisite: Biology & Chemistry

MEDICAL MICROBIOLOGY *(*approved by *the State Board of Education for 4th science credit)*

In this course, students conduct laboratory investigations and fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Students will study the relationships of microorganisms to wellness and disease. They develop knowledge and skills related to disease prevention by learning the chain of infection, asepsis, and standard precautions. Pathogenic and nonpathogenic organisms will be identified to assist in the understanding of specific diseases, causative agents, and treatment options. Should be taken with Pathophysiology

Grade Placement 11-12 **1/2 credit**

Prerequisite: Biology and Chemistry, Chemistry may be concurrent – For 4th science credit take with Pathophysiology

PATHOPHYSIOLOGY

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

Grade Placement 11-12 **1/2 credit**

Prerequisite: Biology, Chemistry, Anatomy and Physiology - For 4th science credit take with Medical Microbiology

PRACTICUM IN HEALTH SCIENCE

The practicum course is a paid or unpaid capstone experience for students participating in the Health Science Program of Study. This is an internship program for specific health professions. Students participate in a clinical internship at a local health care facility. Students are encouraged to participate in Health Occupations Students of American (HOSA). Students should be prepared to submit to a criminal background check, drug screening, TB testing, and to present a proof of current immunizations and valid Social Security Card.

Grade Placement 11-12 **2 credits**

Prerequisite: Students must have completed at least one course in the Health Science Program of Study

Supply fee: See approved district fee list

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

Listed below are careers you might consider in the Hospitality & Tourism cluster. These are not all of the career options but just a sampling of the variety of occupations available at different education levels. For more information, visit www.achievetexas.org.

Occupation	Average Wages	Education
Meeting and Convention Planner	$39,182	Bachelor's degree
Food Service Manager	$44,557	Work experience
Restaurant Cook	$17,272	On the job training
Chef and Head Cook	$33,722	Work experience
Waiter/Waitress	$14,994	On the job training
Host/Hostess, Restaurant, Lounge, and Coffee Shop	$14,508	On the job training

Program of Study: Culinary Arts		
Course	**Credit Earned**	**Grade Level Available**
Principles of Hospitality and Tourism	0.5	8-10
Restaurant Management	1	11-12
Lifetime Nutrition & Wellness	0.5	9-12
Culinary Arts	2	10-12
Food Science (approved as 4th science credit)	1	11-12
Family & Community Services	1	11-12
Practicum in Culinary Arts	2	11-12

PRINCIPLES OF HOSPITALITY AND TOURISM

This course is designed to introduce learners to the various careers available within the Hospitality & Tourism career cluster. Whether chefs or concierges, travel agents or tour guides, park rangers or players for sports teams, the professionals in this cluster are experts at pleasing the public. If you want to see the world, enjoy serving others, or dream of opening a restaurant or bed and breakfast someday, then Hospitality & Tourism may be the right cluster for you.

Grade Placement 8-10 **1/2 credit**

Prerequisite: None

RESTAURANT MANAGEMENT

A specialized capstone Hospitality and Tourism Program of Study course designed for students who have a career interest in the management aspects of the Food Service and Hospitality industries. Instruction will include all aspects of the industry via hands on experience.

Grade Placement 9-12 **1 credit**

Prerequisite: Culinary Arts and Practicum in culinary Arts (may be taken concurrently)

Supply fee: See approved district fee list

LIFETIME NUTRITION & WELLNESS

This laboratory 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 and tourism, education and training, human services, and health sciences.

Grade Placement 9-12 **1/2 credit**

Prerequisite: None

CULINARY ARTS I

Culinary Arts I begins with the fundamentals and principles of the history of food service. It includes the art of cooking and the science of baking, use of commercial kitchen, management and production skills. . The student will learn knowledge and skills required for careers in the restaurant, food, and beverage industry. Students can pursue a national sanitation certification ServSafe, or any other appropriate industry certifications. This course will be offered with a commercial kitchen used as a laboratory. Students are encouraged to participate in extended learning experiences which may include practicum hours, career and technical student organizations, and other leadership or extracurricular organizations. Some sections may start at a zero hour before school and students will be required to provide transportation to their home campus for a BRJ CTEC shuttle.

Grade Placement 10-12 **2 credit**

Recommended Prerequisite: Restaurant Management; Lifetime Nutrition and Wellness; OR Principles of Hospitality and Tourism

Supply fee: See approved district fee list

PRACTICUM IN CULINARY ARTS

This course is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community. Students receive a hands-on practical experience in all aspects of food preparation and production. Coursework begins with food preparation techniques and progresses through the development of management skills

relating to the operation of the food service industry. Some sections may start at a zero hour before school and students will be required to provide transportation to their home campus for a BRJ CTEC shuttle.

Grade Placement 11-12 **2 credit**
Prerequisite: Culinary Arts I
Supply fee: See approved district fee list

FOOD SCIENCE *(*approved by the *State Board of Education for science credit)*

This technical laboratory course provides foundational training in the area of food science and technology. Content addresses food science principles; nutrition and wellness; food technology; world food supply; managing multiple family, community, and career roles; and career options in nutrition, food science, and food technology. Instructional topics include diet-related disorders, diets appropriate to the life cycle and other factors, therapeutic diets, chemical and physical changes that affect food product quality, technologies used in food processing and product development, food safety and sanitation standards, market research, legal issues, and food policies. Laboratory activities utilizing research methods related to current issues in food science, technology, and nutrition are included.

Grade Placement 11-12 **1 credit**
Prerequisite: Students must have completed at least one Hospitality & Tourism course

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

Listed below are careers you might consider in the Human Services cluster. These are not all of the career options but just a sampling of the variety of occupations available at different education levels. For more information, visit www.achievetexas.org.

Occupation		Average Wages	Education
Clinical, Counseling, and School Psychologist		$53,317	Doctoral degree
Child, Family, and School Social Worker		$33,058	Bachelor's degree
Dietitian/Nutritionist		$45,789	Bachelor's degree
Personal and Home Care Aide		$13,477	On the job training
Child-Care Worker		$15,078	On the job training
Preschool Teacher		$23,152	Postsecondary award

Program of Study: Child Development

Course	Credit Earned	Grade Level Available
Principles of Human Services	0.5	8 - 10
Child Development	0.5	9 - 12
Interpersonal Studies	0.5	10-12
Dollars and Sense	0.5	9 - 12
Lifetime Nutrition & Wellness	0.5	9 - 12
Child Guidance	1	10 - 12
Practicum in Human Services	2	11 - 12

Program of Study: Cosmetology

Course	Credit Earned	Grade Level Available
Principles of Human Services	0.5	8 - 10
Introduction to Cosmetology	1	10
Cosmetology I	3	11
Cosmetology II	3	12

PRINCIPLES OF HUMAN SERVICES

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. This is the first course for a career pathway in Child Development, Health Science, and Cosmetology.

Grade Placement 8-10 **1/2 credit**
Prerequisite: None

PROGRAM OF STUDY: Child Development

CHILD DEVELOPMENT

This course addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Grade Placement 9-12 **1/2 credit**

Recommended Prerequisite: Principles of Human Services

DOLLARS AND SENSE

This course focuses on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers. Students are encouraged to participate in career and technical student organizations and other leadership organizations.

Grade Placement 9-12 **1/2 credit**

Prerequisite: None

LIFETIME NUTRITION & WELLNESS

This laboratory 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 and tourism, education and training, human services, and health sciences**. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Grade Placement 9-12 **1/2 credit**

Prerequisite: None

INTERPERSONAL STUDIES

This course examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services.

Grade Placement 9-12, 1/2 credit

Prerequisite: None

CHILD GUIDANCE

This course is designed for students wanting to pursue careers related to the care, guidance, and education of children that addresses the knowledge of skills related to child growth and guidance. It equips students to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with special needs. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Grade Placement 10-12 **1 credit**

Recommended Prerequisite: Principles of Human Services and Child Development

FAMILY & COMMUNITY SERVICES

This laboratory-based course is designed to involve students in realistic and meaningful community-based activities through direct service experiences. Students are provided opportunities to interact and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics. This course is a perfect opportunity to gather experience in volunteer and service projects for college and career applications.

Grade Placement 11-12 **1 credit**

Recommended Prerequisite: Principles of Human Services

PRACTICUM IN HUMAN SERVICES

Practicum in Human Services provides occupationally specific training and focuses on the development of consumer services, early childhood development and services, counseling and mental health services, and family and community services careers. Students are required to serve in paid or unpaid internship opportunities. Students must provide transportation to internship opportunities.

Grade Placement 11-12 **2 credits**

Prerequisite: Students must have taken one course in the Human Services cluster

PROGRAM OF STUDY: Cosmetology

INTRODUCTION TO COSMETOLOGY

Students explore areas such as bacteriology, sterilization and sanitation, hair styling, manicuring, shampooing and the principles of hair cutting, hair styling, hair coloring, skin care, nails and makeup. The student researches careers in the personal care services industry. To prepare for success, students must have skills relative to this industry, as well as academic knowledge. Students may begin to earn clock hours toward state licensing requirements.

Grade Placement 10 **1 credit**
Prerequisite: None
Supply fee: See approved district fee list

COSMETOLOGY I

Students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, haircare, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Analysis of career opportunities, requirements, expectations, and development of workplace skills are included. Some sections may start at a zero hour before school and students will be required to provide transportation to their home campus for a BRJ CTEC shuttle.

Grade Placement 11 **3 credits**
Recommended Prerequisite: Introduction to Cosmetology
Supply fee: See approved district fee list

COSMETOLOGY II

Students review academic knowledge and skills related to cosmetology. This course is designed to provide advanced training for employment in cosmetology careers. Instruction includes advanced training in sterilization and sanitation processes, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Students apply, combine, and justify knowledge and skills to a variety of settings and problems. Because of scheduling constraints for students, those interested in completing this program are encouraged to earn at least one required graduation credits outside of the regular school day/year. Some sections may start at a zero hour before school and students will be required to provide transportation to their home campus for a BRJ CTEC shuttle.

Grade Placement 12 **3 credits**
Prerequisite: Cosmetology I
Supply fee: See approved district fee list

Texas is at the heart of the information technology revolution. Our state is home to world-class high-tech companies. Countless smaller firms create computer games, set up custom networks, service computer equipment, or develop and manage websites. In fact, every business in Texas needs IT expertise. Keeping electronic data flowing takes both technical expertise and problem-solving savvy. If you are good at grasping how technology works, have an idea for a new website or computer game, or want a career that is always changing, then Information Technology may be the right cluster for you.

Listed below are careers you might consider in the Information Technology cluster. These are not all of the career options but just a sampling of the variety of occupations available at different education levels. For more information, visit www.achievetexas.org.

Occupation (source: www.bls.gov/ooh)	Average Wages	Education
Computer Systems Analyst	$77,240	Bachelor's degree
Web Developer/Administrator	$75,660	Bachelor's degree
Information Security Analyst	$75,660	Bachelor's degree
Database Administrator	$73,490	Bachelor's degree
Network Computer Systems Administrator/Manager	$69,160	Bachelor's degree
Computer Support Specialist	$46,260	Postsecondary

Program of Study: Help Desk & Computer Technician		
Course	**Credit Earned**	**Grade Level Available**
Principles of Information Technology	1	8-10
Computer Maintenance	1	9-12
Telecommunications & Networking	1	10-12
Computer Technician	2	11-12

Program of Study: Web and Digital Communications		
Course	**Credit Earned**	**Grade Level Available**
Principles of Information Technology	1	9-10
Digital & Interactive Media	1	9-12
Web Technologies	1	10-12
Mobile Application Development	1	10-12

PRINCIPLES OF INFORMATION TECHNOLOGY

Students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students enhance personal, interpersonal, reading, writing, computing, communication and reasoning skills and apply them to the information technology environment.

Grade Placement 8-10 **1 credit**

Prerequisite: None

COMPUTER MAINTENANCE

Students acquire principles of computer maintenance, including electrical and electronic theory, computer hardware principles, and broad level components related to the installation, diagnosis, service, and repair of computer

Grade Placement 9-12 **1 credit**

Recommended Prerequisite: Principles of Information Technology

TELECOMMUNICATIONS & NETWORKING

Students develop knowledge of the concepts and skills related to telecommunications and data networking technologies and practices in order to apply them to personal or career development.

Grade Placement 10-12 **1 credit**

Recommended Prerequisite: Computer Maintenance

COMPUTER TECHNICIAN

Students gain knowledge and skills in the area of computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems. Students learn concepts for A+ Certification.

Grade Placement 11-12 **2 credits**

Prerequisite: Computer Maintenance or Telecommunications & Networking

DIGITAL & INTERACTIVE MEDIA

Through the study of digital and interactive media and its application in information technology, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem

Grade Placement 9-12 **1 credit**

Prerequisite: None

WEB TECHNOLOGIES

Through the study of web technologies and web design, students learn to make informed decisions and apply the decisions to the field of information technology. Students design and create web-based solutions using analysis and assessment of client needs and current technology trends.

Grade Placement 10-12 **1 credit**

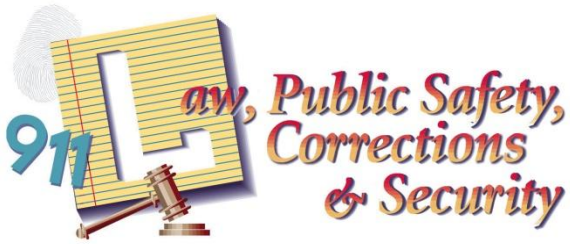
Recommended Prerequisite: Principles of Information Technology

MOBILE APPLICATION DEVELOPMENT

Mobile Application Development will foster students' creativity and innovation by presenting opportunities to design, implement, and deliver meaningful projects using mobile computing devices. Students will gain an understanding of the principles of mobile application development through the study of development platforms, programming languages, and software design standards.

Grade Placement 10-12 **1 credit**

Recommended Prerequisite: Principles of Information Technology



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

Listed below are careers you might consider in the Law, Public Safety, Corrections & Security cluster. These are not all of the career options but just a sampling of the variety of occupations available at different education levels. For more information, visit www.achievetexas.org.

Occupation	Average Wages	Education
Lawyer	$113,984	Doctoral degree
Private Detective and Investigator	$36,255	Work experience
Police and Sheriff's Patrol Officer	$42,257	On the job training
Firefighter	$39,885	On the job training
Animal Control Worker	$25,281	On the job training
Correctional Officer and Jailer	$28,624	On the job training

Program of Study: Law Enforcement

Course	Credit Earned	Grade Level Available
Principles of Law, Public Safety, Corrections & Security	1	9 - 12
Law Enforcement I	1	9 - 12
Correctional Services	1	10 - 12
Court Systems & Practices	1	10 - 12
Security Services	1	10 - 12
Digital Forensics	1	10-12
Forensic Science (approved as 4th science course)	1	11 - 12
Law Enforcement II	2	11 - 12

Program of Study: Firefighter

Course	Credit Earned	Grade Level Available
Principles of Law, Public Safety, Corrections & Security	1	9 - 12
Firefighter I	1	9 - 11
Firefighter II	2	10 - 12
Security Services	1	10-12
Forensic Science (approved as 4th science course)	1	11-12

PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

This course is designed to introduce learners to the various careers available within the Law, Public Safety, Corrections & Security career cluster. Students use self-knowledge and educational and career information to analyze various careers within the Law, Public Safety, Corrections & Security career cluster. Students will also gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area. Students can pursue national certifications in CPR (Cardio Pulmonary Resuscitation) and CERT (The Community Emergency Response Team) Program

Grade Placement 9-12 **1 credit**

Prerequisite: None

Supply fee: See approved district fee list

FORENSIC SCIENCE (approved by *the State Board of Education for 4th science credit)* -- Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science

Grade Placement 11-12 **1 credit**

Recommended Prerequisite: Principles of Law, Public Safety, Corrections, and Security and Law Enforcement I

PROGRAM OF STUDY: Law Enforcement

LAW ENFORCEMENT I

Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime. Students can pursue national certifications in CPR (Cardio Pulmonary Resuscitation) and CERT (The Community Emergency Response Team) Program.

Grade Placement 9-12 **1 credit**
Prerequisite: None; 9th grade students must have previously taken Principles of Law, Public Safety, Corrections & Security
Supply fee: See approved district fee list

LAW ENFORCEMENT II

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony. Students can pursue national certifications in CPR (Cardio Pulmonary Resuscitation) and CERT (The Community Emergency Response Team) Program.

Grade Placement 11-12 **2 credit**
Prerequisite: Principles of Law, Public Safety, Corrections & Security and/or Law Enforcement I
Supply fee: See approved district fee list

CORRECTIONAL SERVICES

In Correctional Services, students prepare for certification required for employment as a correctional officer. The student will learn the role and responsibilities of a correctional officer; discuss relevant rules, regulations, and laws; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the correctional setting. The student will analyze rehabilitation and alternatives to institutionalization. Students can pursue national certifications in CPR (Cardio Pulmonary Resuscitation) and CERT (The Community Emergency Response Team) Program

Grade Placement 10-12 **1 credit**
Recommended Prerequisite: Principles of Law, Public Safety, Corrections, and Security
Supply fee: See approved district fee list

COURT SYSTEMS & PRACTICES

Court Systems and Practices is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation. Students can pursue national certifications in CPR (Cardio Pulmonary Resuscitation) and CERT (The Community Emergency Response Team) Program

Grade Placement 10-12 **1 credit**
Prerequisite: Law Enforcement I
Supply fee: See approved district fee list

SECURITY SERVICES

Security Services provides the knowledge and skills necessary to prepare for certification in security services. The course provides an overview of security elements and types of organizations with a focus on security measures used to protect lives, property, and proprietary information. Students can pursue national certifications in CPR (Cardio Pulmonary Resuscitation) and CERT (The Community Emergency Response Team) Program

Grade Placement 10-12 **1 credit**
Recommended Prerequisite: Principles of Law, Public Safety, Corrections, and Security
Supply fee: See approved district fee list

DIGITAL FORENSICS

Digital Forensics will present opportunities to investigate simulations and case studies of crimes, reconstructing computer security incidents, troubleshooting operational problems, and recovering from accidental system damage. Students will collaborate to develop forensic techniques to assist with computer security incident response. Students will learn methods to identify, collect, examine, and analyze data while preserving the integrity of the information and maintaining a strict chain of custody for data. Students will solve problems as they study the application of science to the law. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect.

Grade Placement 10-12 **1 credit**
Recommended Prerequisite: Principles of Information Technology or Principles of Law, Public Safety, Corrections, and Security

PROGRAM OF STUDY: Firefighter

FIREFIGHTER I

Firefighter I introduces students to firefighter safety and development. Students will analyze Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protections equipment, and the principles of fire safety. Students can pursue national certifications in CPR (Cardio Pulmonary Resuscitation) and CERT (The Community Emergency Response Team) Program and FEMA 100, 200, 700, 800, & 26.

Grade Placement 10-12 **1 credit**

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

Supply fee: See approved district fee list

FIREFIGHTER II

Firefighter II is the second in a series for students studying firefighter safety and development. Students will understand Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protections equipment, and the principles of fire safety. Students will master the performance skills and procedures required for Texas Commission Firefighter Certification. These performance skills include use and mastery of fire extinguishers, ladders, fire hose and streams, water supply, hose loads, ropes, and all phases of firefighting on the fire ground. Students can pursue national certifications in CPR (Cardio Pulmonary Resuscitation) and CERT (The Community Emergency Response Team) Program and FEMA 100, 200, 700, 800, & 26.

Grade Placement 10-12 **2 credit**

Recommended Prerequisite: Principles of Law, Public Safety, Corrections & Security and/or Firefighter I

Supply fee: See approved district fee list

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

Listed below are careers you might consider in the Science, Technology, Engineering & Mathematics cluster. These are not all of the career options but just a sampling of the variety of occupations available at different education levels. For more information, visit www.achievetexas.org.

Occupation		**Average Wages**	**Education**
Hydrologist		$59,529	Master's degree
Engineering Manager		$104,512	Bachelor's plus experience
Civil Engineer		$69,018	Bachelor's degree
Agricultural Engineer		$56,913	Bachelor's degree
Surveying and Mapping Technician		$31,307	On the job training
Weigher, Measurer, and Sampler, Record Keeping		$25,038	On the job training

Program of Study: Pre-Engineering		
Course	**Credit Earned**	**Grade Level Available**
Introduction to Engineering (IED)	1	9-12
Digital Electronics (DE)	1	9-12
Principles of Engineering (POE)	1	10-12
Aerospace Engineering (AE)	1	11-12
Engineering Design & Development (EDD)	1	12

INTRODUCTION TO ENGINEERING DESIGN (IED) – *Project Lead the Way*

Designed for 9th or 10th grade students, the major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. Students use 3D solid modeling design software to help them design solutions to solve proposed problems and learn how to document their work and communicate solutions to peers and members of the professional community. *PLTW courses may count for college credit and will receive additional weight using the Dual Credit scale for the weighted GPA*

Grade Placement 9-12 **1 credit**

Prerequisite: None

DIGITAL ELECTRONICS (DE) - *Project Lead the Way*

Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras and high-definition televisions. The major focus of the DE course is to expose students to the process of combinational and sequential logic design, teamwork, communication methods, engineering standards and technical documentation. This course is designed for 10th or 11th grade students. *PLTW courses may count for college credit and will receive additional weight using the Dual Credit scale for the weighted GPA*

Grade Placement 10-11 **1 credit**

Prerequisite: None

PRINCIPLES OF ENGINEERING (POE) - *Project Lead the Way*

This survey course of engineering exposes students to major concepts they'll encounter in a postsecondary engineering course of study. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, documenting their work and communicating solutions to peers and members of the professional community. *PLTW courses may count for college credit and will receive additional weight using the Dual Credit scale for the weighted GPA*

Grade Placement 10-12 **1 credit**

Prerequisite: Algebra I and Introduction to Engineering (Recommended)

AEROSPACE ENGINEERING (AE) - *Project Lead the Way*

Aerospace Engineering engages students in engineering design problems related to aerospace information systems, astronautics, rocketry, propulsion, the physics of space science, space life sciences, the biology of space science, principles of aeronautics, structures and materials, and systems engineering. Using 3-D design software, students work in teams utilizing hands-on activities, projects and problems and are exposed to various situations encountered by aerospace engineers. This course is designed for 11th or 12th grade students. *PLTW courses may count for college credit and will receive additional weight using the Dual Credit scale for the weighted GPA*

Grade Placement 11-12 **1 credit**

Prerequisite: Digital Electronics, Principles of Engineering, or Introduction to Engineering

ENGINEERING DESIGN & DEVELOPMENT (EDD) - *Project Lead the Way*

This is an engineering research course in which students will work in teams to research, design, test and construct a solution to an open-ended engineering problem. The product development life cycle and a design process are used to guide and help the team to reach a solution to the problem. The team presents and defends their solution to a panel of outside reviewers at the conclusion of the course. The EDD course allows students to apply all the skills and knowledge learned in previous Project Lead The Way courses. The use of 3D design software helps students design solutions to the problem their team has chosen. This course also engages students in time management and teamwork skills, a valuable set for students in the future. *PLTW courses may count for college credit and will receive additional weight using the Dual Credit scale for the weighted GPA*

Grade Placement 12 **1 credit**

Prerequisite: Digital Electronics, Principles of Engineering, or Introduction to Engineering

COMPUTER SCIENCE

Computer Science -- it is changing our world. Computer Science is much more than writing programs. It is all about solving problems in ways that are computable. Computer Science is driving the rapid innovations in medicine, technology, communications, physical sciences, commerce, and human relationships. For this reason, Computer Science is one of the hottest career choices; however the U.S. does not graduate even half the number of computer scientists needed. Common tasks of a computer scientist include designing and implementing software, creating new uses for computers, developing solutions to computer problems, and planning and managing technological infrastructures. A computer scientist, therefore, must be a good analytical thinker. He or she must also have the dedication to press forward with something until a specific solution is found. Computer science necessitates the use of logic to evaluate solutions and revise strategies to get the answer exactly right. Computer scientists should also have a lot of patience because finding an answer and correct results often takes time.

Computer Science I	9-12	1 cr
Computer Science II	10-12	1 cr
AP Computer Science A	10-12	1 cr
Computer Science III	11-12	1 cr

COMPUTER SCIENCE I

This is the first in the sequence of computer science courses offered. Students will use computer science concepts to access, analyze, and evaluate information needed to solve problems and write computer programs in a variety of languages to implement their solutions for writing stories, games and other types of programs. This is an advanced academic course and is weighted in the GPA.

Grade Placement 9-12 **1 credit**

Prerequisite: Algebra I

COMPUTER SCIENCE II

This is the second in the sequence of computer science courses offered. Students will continue their learning of more advanced computer science concepts including object-oriented programming in the Java programming language. Students will learn much of the same information as AP Computer Science A without preparing for the AP exam. This is an advanced academic course and is weighted in the GPA.

Grade Placement 10-12 **1 credit**

Prerequisite: Computer Science I

AP COMPUTER SCIENCE A *(approved by State Board of Education for math credit – see Recommended Graduation Plan in appendix)*

This course is a college-level course equivalent of a first semester computer science course in college. Students will learn and apply computer science concepts to write computer programs in the Java programming language and to prepare to take the AP Computer Science A exam in May. Students should be comfortable with algebraic functions and concepts including the use of functional notation such as $f(x) = x + 2$ and $f(x) = g(h(x))$, should be successful working independently, be prepared to spend 3-5 hours per week outside of the classroom working on programming assignments and accept the challenge of preparing for an AP exam. This is an advanced academic course and is weighted in the GPA. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 10-12 **1 credit**

Recommended Prerequisite: Computer Science I and successful completion or concurrent enrollment in Algebra II

COMPUTER SCIENCE III

This is third in the sequence of computer science courses offered. Students will learn how to implement design solutions to problems using a variety of data structures, including Sets, Maps, Lists, Stacks, Queues and Trees, using the Java programming language. Students will explore computer science topics such as artificial intelligence, cyber security and nanotechnology. This is an advanced academic course and is weighted in the GPA.

Grade Placement 11-12 **1 credit**

Prerequisite: AP Computer Science or Computer Science II

Independent Study in Technology Applications – Computer Science

This is an advanced research course for the college-bound student interested in a scientific or technical field of study who wants to continue his/her development in computer science beyond Computer Science II.

Grade Placement 12 **1 credit**

Prerequisite: Computer Science II

COMPUTER SCIENCE – TECH PREP PATHWAYS

(Select one course from each level to fulfill a coherent sequence in Computer Science)

Level 1	Level 2	Level 3
Computer Science I	AP Computer Science	Computer Science II
AP Computer Science	Computer Science II	Computer Science III

FINE ARTS

(One year/credit required for ALL Graduation Plans)

Art I	10-12	1 cr
Art II	10-12	1 cr
Art III and IV	11-12	1 cr
Studio Art – Advanced Placement	11-12	1 cr
Band I-IV	10-12	1 cr
Choir I-IV	10-12	1 cr
Color Guard/Winter Guard I-IV	10-12	1 cr
Dance I-IV	10-12	1 cr
Jazz Studies I-IV	10-12	1 cr
Music Theory I-II	11-12	1 cr
Technical Theatre I-III	10-12	1 cr
Advanced Technical Theatre	10-12	1 cr
Theatre Arts I-IV	10-12	1 cr
Theatre Productions I-IV	10-12	1 cr
Vocal Ensemble I-IV	10-12	1 cr

ART I

Art I is the introductory course offered for high school graduation credit. It is required of every student who plans to take other art courses. The course emphasizes the understanding of the fundamentals of art and provides a background for developing appreciation in all facets of art education. Attention is given to understanding art terminology, developing skills through practice, acquainting the students with art forms of the past as well as the present, and realizing the value of art in everyday living. Specifically, the course includes three major activities in drawing and painting, design in two dimensions, and design in three dimensions. Experiences are provided in drawing, painting, color and design, sculpture, printmaking, craft design, and appreciation.

Grade Placement 10-12 **1 credit**

Prerequisite: None

ART II

Art II is similar to Art I but on a more advanced level in each assignment with additions of silk screening and painting on canvas.

Grade Placement 10-12 **1 credit**

Prerequisite: Art I

ART CERAMICS II

Ceramics II students make notes from the natural environment and record interesting visual relationships in mechanical structures as sources for their ceramic designs. Students search for parallels between visual structures in their natural and human-made environments and incorporate their findings in creative ceramic works. By maintaining a sketchbook or ceramics journal, students create a valuable repository for visual fragments, precise observations, characteristics of ceramic materials, and designs for ceramic pieces. This course introduces students to basic materials and processes in ceramic construction. Students will experience hand built techniques, thrown forms, surface decorations, firing process. Students will create functional and non-functional pieces while incorporating the elements and principles of design. The origin of the use of clay through history will be emphasized in this class. Students continue preparation in the area of commercial ceramics, including slip casting and compounding glazes.

Grade Placement 10-12 **1 credit**

Prerequisite: Art I

ART III AND IV

The focus of the advanced level class is on depth of experience, honing of skills, and the preparation of a portfolio appropriate for students planning to continue their education in art at the college level. Students will spend an approximate 6-week block in the areas of drawing, painting, ceramics, printmaking, 3-dimensional design, and portfolio/concentration. As the emphasis is on a continuing art education, students should have an interest in art and perfecting their skills.

Grade Placement 11-12 **1 credit**

Prerequisite: Art II

STUDIO ART – ADVANCED PLACEMENT

The focus of this advanced level class is for the student to present selected material from his or her personal work done during the AP course for evaluation at the end of the year by a group of artists and teachers. Students will work in the areas of drawing, painting, ceramics, printmaking, 3-demensional design, and portfolio/concentration area. As the emphasis is on continuing art education, students should have an interest in art and perfecting their skills. Students may qualify for college credits based on their AP portfolio evaluation. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 11-12 **1 credit**

Prerequisite: Art II

BAND I-IV

Emphasis is mastery of the following disciplines: correct care and handling of the instrument, breath control, correct development of embouchure, tone articulation and fingering, marching fundamentals with physical coordination and precision, and performance. Students learn these disciplines along with music history, theory, sight-reading, and concert techniques through marching and drilling, discriminative listening, and performance. Students perform at all football games, pep rallies, etc. as well as competitions designed for high-level music programs. *The first semester of the first two levels may be used as a substitution for PE credit.* The level of Band assigned will follow the sequential order (I, II, III, and IV)

Grade Placement 10-12 **1 credit**

Prerequisite: Previous high school band experience according to the level

CHOIR I-IV

This course is the study of vocal and choral techniques including a study of sight singing and theory. Students are encouraged to compete in various levels of UIL competition as well as perform at school and other extra-curricular functions throughout the year. Prior choir and/or instrumental experience is encouraged. The elective course selection sheet will include the various choirs available. The Director will use auditions to determine final placement of choir members.

Grade Placement 10-12 **1 credit**

Prerequisite: Varsity Choir requires signed paperwork and an audition.

COLOR GUARD/WINTER GUARD

Colorguard is part of the Band program. The Color Guard is a competitive group who learns dance, movement, flag, and other equipment. This group performs with the band at all football games and is a part of the competitive marching season. During the spring semester the winter guard moves indoors to compete on the local, state, and national levels. There are required summer rehearsals for this group. *The first semester of the first two levels may be used as a substitution for PE credit.*

Grade Placement 10-12 **1 credit**

Prerequisite: Tryouts

DANCE I-IV

Dance class fosters the exploration and appreciation of diverse dance traditions and history while developing skills of observation, analysis, expression, and reflection. The class will focus on various types of dance such as ballet, jazz, hip hop, clogging, and modern. The purpose is to increase and enhance agility, endurance, flexibility, coordination, and balance. Dance students will be encouraged to perform before an audience at the annual spring show at the end of the year. This class may serve as a preparatory class for drill/dance team tryouts. Classes must be taken in order beginning with Dance I. Prior dance experience is not required. **Students are required to purchase all black dance attire for class.**

Grade Placement 10-12 **1 credit**

Prerequisite: None

JAZZ STUDIES I-IV

Jazz Studies is an introductory course to the style, history, and theory behind an original American genre of music. The course will include textbook study with musical instrument and vocal performance to achieve curricular goals and concert and community performances. Students will be provided with compositional and expressive experiences in the scope of the lessons. This is a year-long course.

Grade Placement 10-12 **1 credit**

Prerequisite: NCHS only - Must currently be participating or enrolled in the Mighty Panther Band (Band I-IV); class will be set by audition only.

MUSIC THEORY I-II (ADVANCED PLACEMENT)

This Course is designed for students planning to enter the music field in college. Also to prepare them to take the Music Theory advanced placement exam for college credit. It will consist of the study of music notation, sight singing, ear training, musical terms, musical form, and analysis. Upon completion of Music Theory II, a student may take the advanced placement exam for college credit. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 11-12 **1 credit**

Prerequisite: A minimum of two (2) years of school band or choir

TECHNICAL THEATRE I-III

Students explore all areas of technical theatre, i.e. the areas of construction of set, props, costumes, and production of sound and lighting. Students will learn stage and shop safety along with tool usage by practical application through the construction and running of school productions.

Grade Placement 10-12 **1 credit**

Prerequisite: None

ADVANCED TECHNICAL THEATRE LI-III

Students explore all areas of technical theatre from the viewpoint of actual production experience. Students are required to work during constant block and after school to produce major productions for the public. Student enrollment is by audition/testing only.

Grade Placement 10-12 **1 credit**

Prerequisite: NCHS only - Technical Theatre I and by audition/testing by the director only

THEATRE ARTS I-IV

Theatre Arts focuses on the individualized study of acting through performance of scene work and improvisation. Students will study theatre history, literature, performance, and period styles. Advanced classes will include a study of oral interpretation of literature and classical literature from various genres.

Grade Placement 10-12 **1 credit**

Prerequisite: None

THEATRE PRODUCTION I-IV

Theatre Production focuses on the study of acting through the performance of plays for the public. Students will produce plays for the public. Students will produce plays for performance during and after school. The Advanced Theater Production class requires rehearsals after school. Student enrollment is by audition only.

Grade Placement 10-12 **1 credit**

Prerequisite: By audition by the director only

VOCAL ENSEMBLE I-IV

This course is the study of vocal and choral techniques including a study of sight singing and theory. Students are encouraged to compete in various levels of UIL competition as well as perform at school and other extra-curricular functions throughout the year. Prior choir and/or instrumental experience is encouraged. The elective course selection sheet will include the various choirs available. The Director will use auditions to determine final placement of choir members.

Grade Placement 10-12 **1 credit**

Prerequisite: Varsity Choir requires signed paperwork and an audition.

LANGUAGES OTHER THAN ENGLISH

(Two-three years/credits are required for the Recommended/Distinguished Achievement Graduation Plans)

American Sign Language I-III	10-12	1 cr
French II	10-12	1 cr
French II Pre-Advanced Placement	10-11	1 cr
French III Pre-Advanced Placement	10-12	1 cr
French IV – Advanced Placement	11-12	1 cr
German II	10-12	1 cr
German II Pre-Advanced Placement	10-11	1 cr
German III Pre-Advanced Placement	10-12	1 cr
German IV – Advanced Placement	11-12	1 cr
Spanish I-II	10-12	1 cr
Spanish II Pre-Advanced Placement	10-11	1 cr
Spanish III Pre-Advanced Placement	10-12	1 cr
Spanish IV – Advanced Placement	11-12	1 cr
Spanish V – Advanced Placement	12	1 cr

AMERICAN SIGN LANGUAGE I

This course introduces the vocabulary and grammar of American Sign Language and finger spelling. It also emphasizes the physical, social, and psychological aspects of the deaf experience. Upon completion, students will be able to demonstrate ASL word order, grammatical structures, and facial grammar in both signed and written form. Students also will be able to understand and carry on basic conversations.

Grade Placement 10-12 **1 credit**

Prerequisite: None

AMERICAN SIGN LANGUAGE II

This course will include additional vocabulary and more complex grammar of ASL. There will be an emphasis on fluency and culture.

Grade Placement 11-12 **1 credit**

Prerequisite: ASL I

AMERICAN SIGN LANGUAGE III

This course continues signing and reading skill development using only sign language in the classroom with emphasis on grammar and fluency. Deaf literature and deaf culture will be studied and practiced.

Grade Placement 11-12 **1 credit**

Prerequisite: ASL II

FRENCH II

A special emphasis on culture and grammatical structure is continued as the student develops listening and speaking skills in French. Students will expand basic vocabulary and focus on a more grammar-oriented approach to language study via simple written essays and short readings.

Grade Placement 10-12 **1 credit**

Prerequisite: French I

FRENCH II – PRE-ADVANCED PLACEMENT

This course is intended for the serious student who wishes to master the French language. An extensive emphasis on grammatical structure and aural/oral proficiency distinguishes this course from the regular section. Students will expand basic vocabulary and cultural knowledge of the francophone world via written essays, readings, and videos. Much of the class will be conducted in French. An average of 85 or higher in French I is *highly* recommended.

Grade Placement 10-11 **1 credit**

Prerequisite: French I

FRENCH III – PRE-ADVANCED PLACEMENT

This class is intended to bring the student a step closer to success on the College Board's Advanced Placement exam. It will be conducted in French. Speaking and writing will be equally emphasized. Grammatical skills are developed through daily written and oral practice in all verb tenses. The student will read French literature and write many timed essays. The study of Francophile culture continues via literature and film. An average of 85 or higher in French II Pre-AP is *highly* recommended.

Grade Placement 10-12 **1 credit**

Prerequisite: French II

FRENCH IV – ADVANCED PLACEMENT

The AP French program offers a course description and examination in the French language. The course is intended to be roughly equivalent both in content and difficulty to a college French language course at the advanced level. This class is conducted entirely in French. Upon completion of the course a student may take the advanced placement exam for college credit. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 11-12 **1 credit**

Prerequisite: French III Pre-AP recommended

GERMAN II

This course continues the study of basic German concentrating on listening, speaking, reading and writing skills. In order for students to prepare for college level classes, a firm foundation of grammar is presented.

Grade Placement 10-12 **1 credit**

Prerequisite: German I

GERMAN II – PRE-ADVANCED PLACEMENT

This course is intended for the serious student who wishes to master the German language as a continuation in the study of the German language and culture. Expanded vocabulary and more complex grammatical structures are taught. Advanced concepts in reading and writing are applied. Oral communication skills are further stressed and strengthened.

Grade Placement 10-11 **1 credit**

Prerequisite: recommended an 85 or higher in German I

GERMAN III – PRE-ADVANCED PLACEMENT

This course is a continuation of the development of reading, writing, listening, and speaking skills begun in German I and II. Functioning in everyday situations will be stressed. Students will begin to prepare for the Advanced Placement test.

Grade Placement 11-12 **1 credit**

Prerequisite: German II

GERMAN IV – ADVANCED PLACEMENT

The AP German program offers a course description and examination in the German language. The course is intended to be roughly equivalent both in content and difficulty to a college German language course at the advanced level. This course continues development of reading, writing, listening and speaking skills begun in German I and II. Advance grammar and literature will be stressed. Students will be given the opportunity to take the AP German Language test. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 11-12 **1 credit**

Prerequisite: German III Pre-AP recommended

SPANISH I

The instruction in beginning Spanish initially has a strong emphasis on listening and speaking. However, reading and writing are quickly introduced. Upon completion of this course, students should be able to understand and carry on simple conversations based on greeting, introductions, family, home, school, daily routine, shopping, etc. They should know the basic elements of grammar and be able to read and write what they can say.

Grade Placement 10-12 **1 credit**

Prerequisite: None

SPANISH II

Students build on the skills and knowledge gained in Spanish I. Practice in listening and speaking is continued combined with a firm foundation in grammar and vocabulary.

Grade Placement 10-12 **1 credit**

Prerequisite: Spanish I

SPANISH II – PRE-ADVANCED PLACEMENT

Pre-AP II is a course designed for the student who has future plans to take Pre-AP III and eventually AP Spanish IV by enriching the course through depth and complexity. Emphasis in this class is on the spoken language. Listening, speaking, reading and writing skills are practiced. Emphasis is given to the acquisition of useful vocabulary and advanced grammar skills and concepts. Students read Spanish short stories and poems.

Grade Placement 10-11 **1 credit**

Prerequisite: Spanish I

SPANISH III – PRE-ADVANCED PLACEMENT

The Pre-AP Spanish III course will help students prepare for Spanish IV AP by enriching the course through depth and complexity. Emphasis in this class is on the spoken language. Listening, speaking, reading and writing skills are practiced. Emphasis is given to the acquisition of useful vocabulary and advanced grammar skills and concepts. Students read Spanish short stories and poems.

Grade Placement 10-12 **1 credit**

Prerequisite: Spanish II

SPANISH IV – ADVANCED PLACEMENT

The AP Spanish program offers a course description and examination in the Spanish language. The course is intended to be roughly equivalent both in content and difficulty to a college Spanish language course at the advanced level. Upon completion of the course a student may take the advanced placement exam for college level. Advanced Placement is open enrollment. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 11-12 **1 credit**

Prerequisite: Spanish III Pre-AP recommended

SPANISH V – ADVANCED PLACEMENT

This course is comparable to a third year college course in advanced Spanish composition and conversation. It emphasizes the use of Spanish for active communication and encompasses aural/oral skills, reading, comprehension, grammar, composition, literature, and culture. Course content will cover a wide range of intellectual interests including the arts, history, current events, modern literature, sports, etc. Materials will include films, newspapers, magazines, short stories, and novels. The course will be conducted entirely in Spanish. **Students enrolling in Advanced Placement courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.**

Grade Placement 12 **1 credit**

Prerequisite: Spanish IV

HEALTH AND PHYSICAL EDUCATION/ATHLETICS*

(One year/credit is required for all graduation plans)

Health	10-12	½ cr
Athletics I-IV	10-12	1 cr
Basic Athletic Training I-IV	10-12	1 cr
Cheerleading I-IV	10-12	1 cr
Drill/Dance Team I-IV	10-12	1 cr
Drill Team - Aerobic Dance Activities I-IV	10-12	1 cr
Outdoor Adventures I-IV	10-12	1 cr
PE Foundations of Personal Fitness	10-12	½ cr
Physical Education (PE) I-IV	10-12	1 cr
PE Weight Training and Conditioning I-IV	10-12	1 cr

HEALTH

Students will study the concepts and skills that foster personal health and safety, interaction between individuals, and the skills that affect the well being of people collectively. Areas of study include mental and social health, body systems, nutrition, fitness, life stages, drugs, diseases, safety, and first aid. **This course will count as an elective for all graduation plans.**

Grade Placement 10-12 **1/2 credit**

Prerequisite: None

High School PE Substitutions:

According to TEA, students must earn one credit of physical education (PE) and may earn no more than four credits to satisfy state graduation requirements.

Certain activities may be substituted for a PE course.

Students participating in approved substitution activities for PE credit are required to participate in at least 100 minutes per five-day school week at a moderate or vigorous level. Activities allowed as PE substitutions include JROTC, athletics, marching band, cheerleading, drill team, and approved appropriate private or commercially-sponsored programs.

ATHLETICS I-IV

Competitive athletic programs are available for boys and girls throughout the school year. As a rule, students who are in athletics are required to remain in some phase of the program throughout the year. Maximum state credits that may be earned is four.

Grade Placement 10-12 **1 credit**

Prerequisite: Tryout and selection process, physical and medical history on file

Boys:

Baseball I, II, III, IV
Basketball I, II, III, IV
Football I, II, III, IV
Golf I, II, III, IV
Power Lifting I, II, III, IV
Soccer I, II, III, IV
Swim I, II, III, IV
Tennis, I, II, III, IV
Track/Cross Country I, II, III, IV

Girls:

Basketball I, II, III, IV
Fast Pitch Softball I, II, III, IV
Golf I, II, III, IV
Soccer I, II, III, IV
Swim I, II, III, IV
Tennis, I, II, III, IV
Track/Cross Country I, II, III, IV
Volleyball I, II, III, IV

BASIC ATHLETIC TRAINING I-IV

This is a hands-on course that will cover current practice theories, and techniques in the care and prevention of injuries, and medical problems related to athletics. Topics include recognition of injuries, conditioning, nutrition, health and wellness, rehabilitation, first aid and CPR.

Grade Placement 10-12 **1 credit**

Prerequisite: Application and selection process

CHEERLEADING I-IV

All varsity and junior varsity cheerleaders and the mascot shall register for a cheerleading class. The class will be designed to meet the needs of the squad to handle the duties of the squad for the entire school year. Some practices will require before and/or after school hours. Practice time, pep rally planning, conditioning, aerobic training, team building, and leadership training are the basic skills that will be taught. Students enrolled in the cheerleading class will receive a PE substitution credit for the fall semester and a local credit for the spring semester the first two years enrolled and local credit each year thereafter.

Grade Placement 10-12 **½ PE and ½ Local credit**

Prerequisite: Tryout and selection process, physical and medical history on file

DRILL TEAM I-IV

This course is designed for members of the high school's drill team after successful completion of the audition process held during the previous spring. Emphasis is placed on teamwork and dancing throughout the year in performances at football halftimes, basketball halftimes, pep rallies, and other community functions. Students will learn many different styles of dance including modern, ballet, tap, jazz, novelty, kick, hip-hop, funk, and dances using various props. In the spring, drill team members will compete with other schools in dance and drill team contests, then produce and perform in a spring show and continue dancing techniques in class. **Students are required to purchase items after tryouts for team use starting at the line camp. Members will be provided an order form.** Students enrolled in the drill team class will receive a PE substitution credit for the fall semester of the first two years enrolled and a fine arts credit each semester/year thereafter.

Grade Placement 10-12 **1 credit**

Prerequisite: Tryout and selection process, physical and medical history on file

PE OUTDOOR ADVENTURES

Outdoor Adventures is a fun and exciting co-ed physical education course. Students are taught life-long skills by using integrated curriculum of science, math, writing, critical thinking skills, and computer technology. The focus is on outdoor activities such as: archery, orienteering, survival skills, first aid/CPR, trip planning, angling, tackle crafts, hiking, backpacking, camping, outdoor cooking, conservation/environmental issues and certifications through the Texas Parks & Wildlife Department (TPWD) and the American Heart Association. On campus activities include: archery, angling, CPR/first aid, survival skills, trip planning, tackle crafts, and orienteering.

Grade Placement 10-12 **1 credit**

Prerequisite: None

PE AEROBIC ACTIVITIES

This course focuses on the teaching of skills, the acquisition of knowledge, and the development of attitudes through movement to develop a physically-active lifestyle that improves health and enjoyment. The class will involve a variety of recreational activities that may include aerobic dance, jogging, power walking, recreational dance, and step aerobics and promote cardiovascular endurance, muscular strength and endurance, flexibility, and healthy body composition.

Grade Placement 10–12 **1 credit**

Prerequisite: None

PE INDIVIDUAL AND TEAM SPORTS

This class would consist of activities that challenge the student to promote body awareness through conditioning exercises, weight training, and cardiovascular activity. Sports would include badminton, bowling, golf, gymnastics, horseshoes, table tennis, tennis, walking, and weights, and team oriented sports and activities such as basketball, flag football, floor hockey, kickball, soccer, softball, ultimate Frisbee, volleyball, and wiffleball.

Grade Placement 10-12 **1 credit**

Prerequisite: None

PHYSICAL EDUCATION INTRAMURAL SPORTS I-IV

This class would consist of activities that challenge the student to promote body awareness through conditioning exercises, weight training, and cardiovascular activity. Sports would include activities such as baseball, basketball, flag football, soccer, softball, and volleyball.

Grade Placement 10-12 **1 credit**

Prerequisite: None

PE WEIGHT TRAINING AND CONDITIONING

Proper lifting procedures, elementary anatomy and physiology, related to lifting, various types of lifting programs, and several cardiovascular conditioning programs are implemented in this course. **This course satisfies the knowledge and skills for Aerobic Activities PE credit**.

Grade Placement 10-12 **1 credit**

Prerequisite: None

APPENDIX A

Graduation Plans Class of 2012 and Beyond

(Known as the 4 x 4, due to the requirement of 4 years in 4 core curriculum areas)

Discipline	Minimum Graduation Plan (23 Credits)	Recommended High School Program (26 credits)	Distinguished Achievement Program (26 credits)
English Language Arts and Reading*	**Four credits:**	**Four credits:**	**Four credits:**
	English I, II, III, and IV	English I, II, III, and IV	English I, II, III, and IV
Mathematics*	**Three credits** to include:	**Four credits** must consist of:	**Four credits** must consist of:
	Algebra I and Geometry	Algebra I, Geometry and Algebra II	Algebra I, Geometry and Algebra II
	Third Credit from: Mathematical Models with Applications, Mathematical Applications in Agriculture, Food, and Natural Resources (CTE), Algebra II, Pre-Calculus, Advanced Quatitative Reasoning (AQR) Engineering Mathematics (CTE), Statistics & Risk Management (CTE)	Courses available for the Fourth Math credit include: Pre-Calculus, AP Statistics, AP Calculus AB or BC, AP Computer Science, Advanced Quantitative Reasoning (AQR), Independent Study in Math (Calculus), Engineering Mathematics (CTE), Statistics & Risk Management (CTE), Mathematical Models with Applications (MMA) if taken prior to Algebra II or Math Applications in Ag, Food & Nat Resources - see course description about Algebra II	Courses available for the Fourth Math credit include: Pre-Calculus, AP Statistics, AP Calculus AB or BC, AP Computer Science, Advanced Quantitative Reasoning (AQR) Independent Study in Math (Calculus), Engineering Mathematics (CTE), Statistics & Risk Management (CTE)
	And by CISD Board Policy EIF – for all graduation plans *each student must take a math-oriented course until graduation Includes any Math course listed, TAKS Math lab, AP Physics, AP Chemistry, Music Theory I or II AP, Computer Science I, II or III, Accounting I or II, Culinary Arts, Aerospace Engineering, Cosmetology II, Law Enforcement II, Firefighter II, CTE Advanced or Practicum courses, Dual Credit Calculus, Concurrent Credit College Algebra, Concurrent Credit Trigonometry*		
Science*	**Two credits** to include:	**Four credits:**	**Four credits:**
	Biology	Biology or AP Biology	Biology or AP Biology
	Integrated Physics/Chemistry	Chemistry or AP Chemistry	Chemistry or AP Chemistry
	May substitute Chemistry or Physics for. IPC but must use the other as an elective credit.	Physics, or Pre-AP or AP Physics The additional credit may be IPC and must be successfully completed prior to chemistry and physics The fourth credit may be selected from any of the following: AP Biology, AP Chemistry,AP Environmental Science,AP Physics Aquatic Science, Astronomy, Earth & Space Science, Environmental Systems, Advanced Animal Science (CTE), Advanced Plant & Soil Science (CTE), Anatomy/Physiology (CTE), Engineering Design & Problem Solving (CTE), Food Science(CTE), Forensic Science (CTE), Medical Microbiology/Pathophysiology (CTE), Scientific Research & Design (CTE)	Physics, Physics Pre-AP or AP Physics After successful completion of courses in biology chemistry, and physics, the fourth credit may be selected from any of the following: AP Biology, AP Chemistry,AP Environmental Science, AP Physics, Aquatic Science, Astronomy, Earth & Space Science, Environmental Systems, Advanced Animal Science (CTE), Advanced Plant & Soil Science (CTE), Anatomy/Physiology (CTE), Engineering Design & Problem Solving (CTE), Food Science(CTE), Forensic Science (CTE), Medical Microbiology/Pathophysiology (CTE), Scientific Research & Design (CTE)
	Students are encouraged to take courses in biology, chemistry, and physics		
Social Studies*	**Three and one-half credits** must consist of:	**Three and one-half credits** must consist of:	**Three and one-half credits** must consist of:
	World Geography	World Geography	World Geography
	World History	World History	World History
	US History	US History	US History
	US Government (one-half credit)	US Government (one-half credit)	US Government (one-half credit)
Economics with emphasis on free enterprise system and its benefits*	**One-half credit.**	**One-half credit.**	**One-half credit.**

Class of 2012 and Beyond (Continued)

Physical Education	**One credit** to include Can substitute: drill team, marching band, color guard, cheerleading, athletics, JROTC	**One credit** to include Can substitute: drill team, marching band, color guard, cheerleading, athletics, JROTC	**One credit** to include Can substitute: drill team, marching band, color guard, cheerleading, athletics, JROTC
Languages Other Than English*	**None.**	**Two credits** must consist of Level I and Level II in the same language.	**Three credits** must consist of Level I, Level II, and Level III in the same language.
Fine Arts*	**One credit.** (Speech may not substitute.)	**One credit.** (Speech may not substitute.)	**One credit.** (Speech may not substitute.)
Speech	**One-half credit:** Communications Applications or **Professional Communication (CTE)**	**One-half credit:** Communications Applications or **Professional Communication (CTE)**	**One-half credit:** Communications Applications or **Professional Communication (CTE)**
Additional Component {Electives}	**Seven and one-half credits** (one of these may be a Local credit)	**Five and one-half credits**	**Four and one-half credits**
	Selected from courses approved by the State Board Of Education for Grades 9-12 (relating to Essential Knowledge and Skills)		
Advanced Measures	**None.**	**None.**	**Requirements:** A student must achieve **any combination** of **four** of the following: **Test data:** ***a score of three or above on the College Board Advanced Placement exam *a score on the PSAT that qualifies a student for recognition as a Commended Scholar or higher by the National Merit Scholarship Corp.; 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 may count as only one advanced measure regardless of the number of honors received by the student. **College Courses:** *a grade of 3.0 or higher on a 3 hour (or more) academic courses that count for college credit, including tech prep programs. **Original Research Project**: *that is conducted under the direction of mentor(s) and judged by a panel of professionals in the field and related to the required curriculum TEKS.

APPENDIX B
Un-weighted "Straight 4.0" GPA

Grade Point Average, or GPA, shall be converted to a 4.0 un-calibrated scale, which is used for demonstration of GPA calculation commonly used by colleges and universities. The following shall apply to the Un-weighted 4.0 GPA only.

100-90	A	4.0
89-80	B	3.0
79-70	C	2.0

Example for Calculating the Un-weighted 4.0 GPA:
A sample ninth grade schedule will be used to demonstrate how to calculate the 4.0 GPA. Each numerical semester grade will be given "grade points" based upon the scale above.

Before calculation, look up each semester grade for high school credits in the appropriate row and determine the grade points. Calculating the 4.0 GPA uses the Un-weighted 4.0 GPA table, this table converts a numerical score into an alphabetical grade with corresponding grade points similar to college transcripts. A 92 in the Un-weighted table converts to an A, this grade receives 4.0 grade points. Record the grade points for each semester's grade for each class noting that local credit courses will not be included in the calculation. Total the grade points and total the number of grades. The Grade Point Average (GPA) is equal to the Total grade points divided by the total number of grades.

Class	**Semester 1**	**Grade Points (GP)**	**Semester 2**	**Grade Points (GP)**	**4.0 GP Total**
English I	89	3.0	91	4.0	7.0
Extended Algebra I	85	3.0	75	2.0	5.0
Algebra Lab (local credit)	85	Not in Calculation	75	Not in Calculation	
Pre-AP World Geo	83	3.0	78	2.0	5.0
Pre-AP Biology	95	4.0	82	3.0	7.0
Keyboarding			96	4.0	4.0
Communication App	98	4.0			4.0
PE 1A & 1B	97	4.0	100	4.0	8.0
Total	6 grades		6 grades		40.0
GPA = GP / # of grades					40.0/12 = 3.3333

Weighted/Calibrated GPA
(for Class of 2012 and beyond)

Students moving into the District with like Pre/AP and advanced academic courses will receive advanced grade points as indicated on the receiving district's transcript and course descriptions. However, only like courses weighted for Crowley ISD honor graduates may receive similar weight. The following grade point scale shall be used for the student's weighted GPA with the weighted scale applying to the advanced high school courses as listed in Chapter 74.30. These shall include Pre-AP, AP, Dual Credit, and GATE courses taken at the high school level, and Pre-AP Algebra I at the middle school.

Numeric Value	Regular	Weighted Dual Credit	Advanced	Numeric Value	Regular	Weighted Dual Credit	Advanced
100	4.0	4.5	5.0	84	2.4	2.9	3.4
99	3.9	4.4	4.9	83	2.3	2.8	3.3
98	3.8	4.3	4.8	82	2.2	2.7	3.2
97	3.7	4.2	4.7	81	2.1	2.6	3.1
96	3.6	4.1	4.6	80	2.0	2.5	3.0
95	3.5	4.0	4.5	79	1.9	2.4	2.9
94	3.4	3.9	4.4	78	1.8	2.3	2.8
93	3.3	3.8	4.3	77	1.7	2.2	2.7
92	3.2	3.7	4.2	76	1.6	2.1	2.6
91	3.1	3.6	4.1	75	1.5	2.0	2.5
90	3.0	3.5	4.0	74	1.4	1.9	2.4
89	2.9	3.4	3.9	73	1.3	1.8	2.3
88	2.8	3.3	3.8	72	1.2	1.7	2.2
87	2.7	3.2	3.7	71	1.1	1.6	2.1
86	2.6	3.1	3.6	70	1.0	1.5	2.0
85	2.5	3.0	3.5				

Example for Calculating the Weighted/Calibrated GPA:

A sample ninth grade schedule will be used to demonstrate how to calculate the Weighted/Calibrated GPA. Each numerical semester grade will be given "grade points" based upon the appropriate scale above. Some courses are considered Advanced courses; this list can be found in the Appendix. Advanced courses will receive grade points from the Advanced column and all other courses will receive grade points from the Regular column. Remember that local credit courses will not be calculated in the GPA.

This Weighted/Calibrated GPA is also used for determining the student's class rank and honor graduates. A Pre-AP English grade of 86 will receives 3.6 grade points from the Advanced column, and a regular Algebra I grade of 86 will receive 2.6 grade points from the Regular column.

To calculate the Weighted/Calibrated GPA, record the grade points for each semester's grade for each class noting that local credit courses will not be included in the calculation. Total the grade points and total the number of grades. The Grade Point Average (GPA) is equal to the Total grade points divided by the total number of grades.

Class	**Semester 1**	**Grade Points (GP)**	**Semester 2**	**Grade Points (GP)**	**GP Total**
English I - *Regular*	89	2.9	91	3.1	6.0
Extended Algebra I - *Reg*	85	2.5	75	1.5	4.0
Algebra Lab (*local credit*)	85	Not in Calculation	75	Not in Calculation	
Pre-AP World Geo - *Adv*	83	3.3	78	2.8	6.1
Pre-AP Biology - *Adv*	95	4.5	82	3.2	7.7
Keyboarding/Touch Systems Data Entry - *Regular*			96	3.6	3.6
Communication App - *Reg*	98	3.8			3.8
PE 1A & 1B - *Reg*	97	3.7	100	4.0	7.7
Total	6 grades		6 grades		38.9
GPA = GP / # of grades					38.9/12 = 3.2417

APPENDIX C
Advanced Academic Courses
(High school credit courses on this list will use the advanced grade point scale for calculating the weighted GPA.)

English Language Arts

01110350	AP English III - Language And Composition
01120450	AP English IV - Literature And Composition
01220700	Creative/Imaginative Writing
01220725	Literary Genres – Multicultural Literature
01220710	Literary Genres – Science Fiction & Fantasy
01220735	Literary Genres – Women's Studies
01220800	Humanities
01220850	Independent Study in English – Analysis of Visual Media
01220573	Debate III
01090150 & 0190175	Pre-AP and GATE English I
01100250	Pre-AP English II
01070150 & 01070175	Pre-AP and GATE ELA 7th grade
01080150 & 01080175	Pre-AP and GATE ELA 8th grade

Mathematics

02120625	AP Calculus AB
02120650	AP Calculus BC
02120800	AP Statistics
02120400 & 02120450	Pre-Calculus & Pre-AP Pre-Calculus
02120600 & 02120575	Independent Study in Mathematics – Calculus
02220150 & 02220175	Pre-AP and GATE Algebra I
02090250 & 02090275	Pre-AP and GATE Geometry
02100350	Pre-AP Algebra II
02070150 & 02070175	Pre-AP and GATE Math 7th grade
02080150	Pre-AP Math 8th grade

Science

03120500	AP Biology
03120600	AP Chemistry
03120700	AP Physics B & C
03220875	AP Environmental Science
03090150 & 03090175	Pre-AP & GATE Biology
03100250	Pre-AP Chemistry
03110450	Pre-AP Physics
03070150 & 03070175	Pre-AP and GATE Science 7th grade
03080150 & 03080175	Pre-AP and GATE Science 8th grade

Social Studies/History

04120475	AP Macro Economics
04120450	AP United States Government And Politics
04110350	AP United States History
04120500	AP European History
04220650	AP Psychology
04090150 & 04090175	Pre-AP and GATE World Geography
04220175	AP Human Geography
04100250	Pre-AP World History
04100275	AP World History
04070150 & 04070175	Pre-AP and GATE 7th grade Texas History
04080150 & 04080175	Pre-AP and GATE 8th grade US History

Computer Science

07222200	Computer Science I
07222210	AP Computer Science I
07222220	Computer Science II
07222230	Computer Science III

Fine Arts

06222950	AP Music Theory
06221500	AP Art/Drawing
06221400	Art IV Drawing
06224400	Dance IV
06222400	Music IV Band
06222450	Jazz Band IV
06222800	Color guard IV
06223400	Music IV Choir
06223450	Vocal Ensemble IV
06225400	Theatre IV
06225640	Theatre Productions IV

Advanced Languages (Modern or Classical)

05222400	AP French IV Language
05223400	AP German IV Language
05224400	AP Spanish IV Language
05224500	AP Spanish V Literature
05222250	Pre-AP French II
05222300	Pre-AP French III
05223250	Pre-AP German II
05223300	Pre-AP German III
05224250	Pre-AP Spanish II
05224300	Pre-AP Spanish III

Dual Credit or Transcripted Courses
Offered at Tarrant County College and other colleges
(Courses taken from this list for high school credit will use the Dual Credit scale for the weighted GPA)

For:	Take:
Professional Communications	= SPEECH 1321
English III	= ENGL 1301 Comp I & ENGL 1302 Comp II
English IV	= ENGL 1301 Comp I & ENGL 1302 Comp II , Or if completed = ENGL 2301 American Literature & ENGL 2302 British Literature
U.S. History	= HIST 1301 US History I & HIST 1302 US History II
U.S. Government	= GOV 2305
Economics	= ECON 2301
Foreign Language	= Equivalent to ½ credit for each course Spanish I, II, III, or IV
Fine Arts	= Equivalent to ½ credit for each ARTS 1301, MUSI 1306, DRAM 1310
Psychology	= PSYC 2301
Sociology	= SOCI 1301
Computer Technology	= BCIS 1405 and COSC 1401 Micro-Computer Applications
Calculus	= MATH 2513 Calculus Analysis

Transcripted Courses (through Project Lead The Way):
Introduction to Engineering Design (IED)
Principles of Engineering (POE)
Digital Electronics (DE)
Aerospace Engineering (AE)
Engineering Design & Development (EDD)

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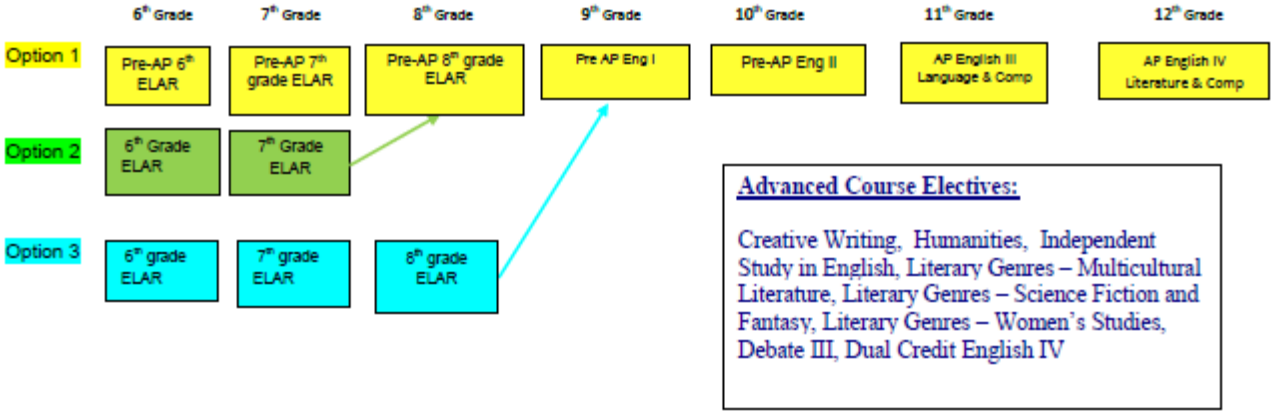
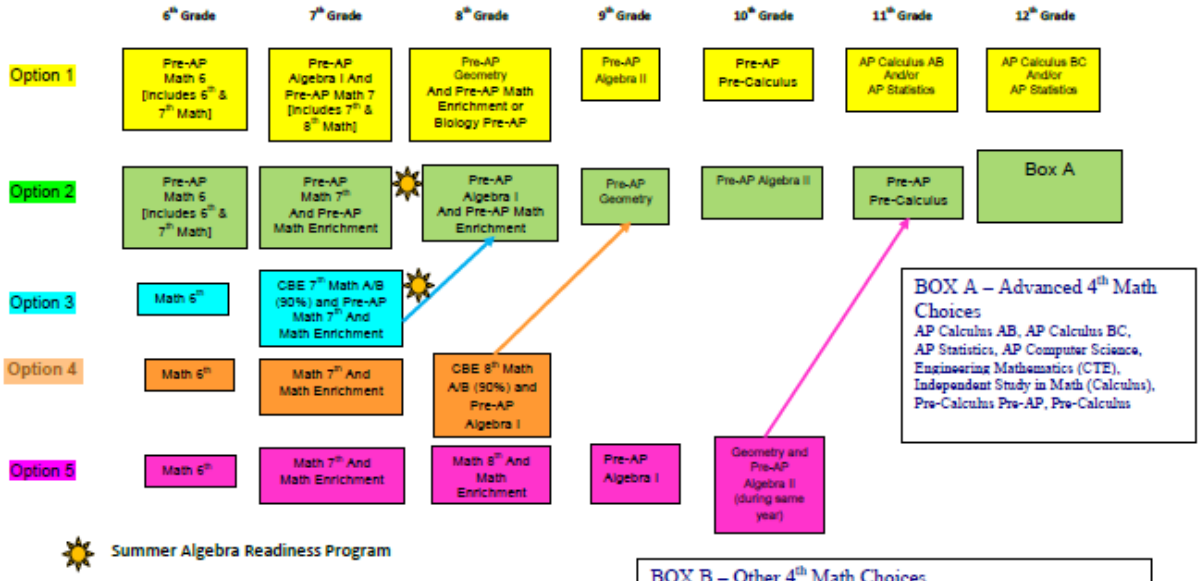
APPENDIX C (Continued)

Advanced Academic Programming

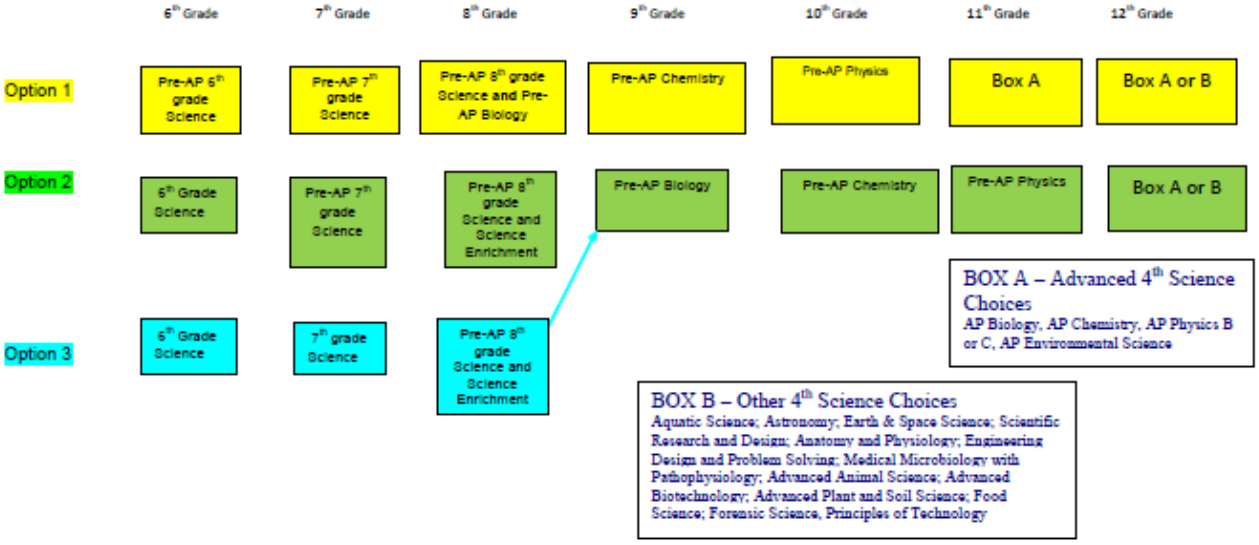
English Language Arts
Advanced Academics Programming
Beginning with 6th Grade



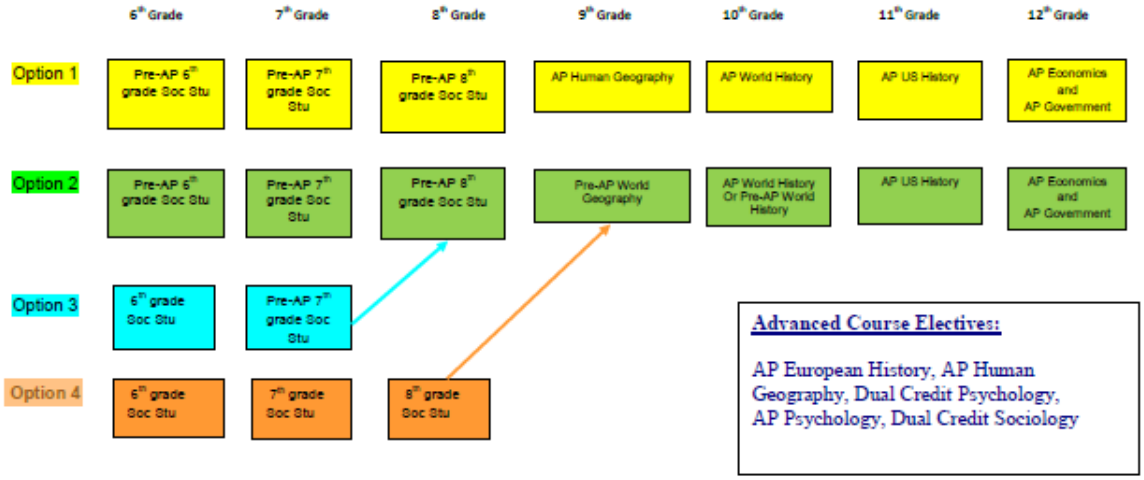
Mathematics
Advanced Academics Programming
Beginning with 6th Grade



Science
Advanced Academics Programming
Beginning with 6th Grade



Social Studies
Advanced Academics Programming
Beginning with 6th Grade



APPENDIX D
Example of a 4-Year Plan

8th grade	9th grade	10th grade	11th grade	12th grade
Health	**English I**	**English II**	**English III**	**English IV**
	Algebra I or Geometry	**Geometry or Algebra II**	**Algebra II or Pre-Calculus**	**Math Course –** for example Calculus
Possibly – **Algebra I and/or Spanish I**	**Biology**	**IPC or Chemistry**	**Chemistry or Physics**	**Science course–** for example Biology AP
	World Geography	**World History**	**US History**	**Government & Economics**
	PE or Athletics or Band	**PE or Athletics or Band**	**Elective –** for example Psychology & Sociology	**Elective –** for example Professional Communications & Business Law
	Elective – for example Spanish I	**Elective –** for example Spanish II	**Elective –** for example Spanish III Pre-AP	**Elective –** for example Spanish IV AP
Touch Systems Data Entry (Keyboarding)	**Elective –** for example BIMS 1 (BCIS1) (take Touch Systems, first)	**Elective –** for example BIMS II	**Elective –** for example Marketing Dynamics	**Elective –** for example Practicum in Marketing Dynamics

Explanation of Graduation Requirements
Using this example plan

All students are required to choose a graduation plan and have a four-year plan on file. Students will complete a four year plan during the school year. There are two graduation plans: **Recommended (RHSP) and Distinguished (DAP)**. They both require **26 credit hours**. They have two main differences. The RHSP requires two years of a foreign language and the DAP requires three years; thus leaving 5 ½ additional state credits for the Recommended and 4 ½ for the Distinguished for electives. The other difference is that the Distinguished Plan requires **four additional measures**. These four additional measures can be obtained by a combination of the following. [Score three or above on the College Board Advanced Placement exam (for Junior/Senior AP courses), score Commended Scholar or higher on the PSAT test, or score 3.0 or higher on a three hour (or more) academic course that counts for college credit (including ATC programs)].
The following are required credits/courses needed:

4 credits **English** (English I, II, III, and IV)
4 credits **Math** (Algebra I, Geometry, Algebra II and another math course)
4 credits **Science** (Biology, Chemistry, Physics and another science course)
4 credits **Social Studies** (World Geo, World Hist, US History, Government and Economics)

Additional/Elective Credits (All students must take these to fulfill graduation requirements. Fill these in for the elective spots in your course selection.)

NEEDED **SUBJECT**

½ credit **Health** -- All CISD MS students should have this credit if their final grade was 70 or higher – counts as state elective.

½ credit **Speech** – This can be taken any year, also available in the summer or Dual Credit. Must be Comm App or Prof Comm.

1 credit **Fine Arts** – Art, Theatre, Dance, Choir, Drill Team, or Band/Color guard – Band/Color guard, or Drill Team will be a substitute for the PE during the fall semester requirement if two years are taken.

2 credits **Foreign Language** (for the RHSP)
or
3 credits **Foreign Language** (for the DAP)
These 2 or 3 credits must be from the same language. The choices are: ASL, French, German and Spanish.
1 credit **Physical Education** – Athletics, PE, and JROTC.
5 to 4 ½ state credits for electives in addition to the above

Note:

- State graduation credits are calculated into the weighted GPA, local credit is not.
- ½ credit course is one semester and 1 credit is all year (both semesters).
- The math courses to choose from for the fourth year are- Pre-Calculus, AP Statistics, AP Calculus AB or BC, AP Computer Science, Advanced Quantitative Reasoning, Engineering Math, Statistics & Risk Management, Independent Study in Math [Calculus], concurrent enrollment in college math courses, and for Mathematical Models with Applications (MMA) or Math Applications in Ag, Food & Natural Resources only if taken prior to Algebra II for 9th grade and above in 2011-12 or for 9th grade and below 2012-13 these courses count as 4th math if taken after or concurrently with Algebra II (the last two courses will not count as math credit for DAP).
- The science courses to choose from for the fourth year are: Advanced Animal Sci, Advanced Plant & Soil Sci, Aquatic Sci, Astronomy, Earth & Space Sci, Environmental Systems, Food Sci, Forensic Sci,Anatomy and Physiology, Engineering Design & Problem Solving, Medical Microbiology/Pathophysiology, Scientific Research & Design, AP Biology, AP Chemistry, AP Environmental Sci, and AP Physics, and for RHSP IPC may count if taken prior to Chem & Physics.

The student in this example chose to take four years of Spanish; this means that Spanish III will help the student on the Distinguished Achievement graduation plan and help prepare for the AP exam after Spanish IV to earn one of the Advanced Measures with an AP exam score of 3 or more.
Also, this student took three Career & Technical courses in a coherent sequence that may help the student earn ATC credit when he or she enrolls at an articulated Texas college.

The following chart is blank for you to create your plan for the future. Make sure you consider all the requirements and prerequisites as you complete the form.

Think about what you wish to do after high school, think about the career(s) that interest you. Find out what types of education you will need for the career interest(s) you have; that will help you plan the courses you need to take while in middle school and high school.

1. *Start with Your Graduation Year, and look back at the chart (Appendix A) for the required courses. Remember that some of your required courses for high school could be taken as Dual Credit, and you'll benefit by receiving college credit at the same time.*
2. *Then consider whether you will attend a 2- or 4-year college or a technical school; these all have specific requirements, generally met under the Recommended and Distinguished plans.*
3. *Decide what types of electives you would like and look to see if there are any prerequisites, so you can plan ahead.*
4. *Develop a pathway to one or more of your career interests don't jump from one program to another.*
5. *If you are interested in getting a head start on college courses consider ATC. Look at the sample above and the information in Section V to help create your plan for high school.*

APPENDIX D (Continued)
Crowley Independent School District
Four Year Graduation Plan

Student Last Name: _____ First Name: _____
Student ID #: _____ Projected Graduation Year: _____

Graduation Plan (choose one): ☐ Distinguished Achievement Plan [DAP] (26 credits plus 4 Advanced Measures)
☐ Recommended Plan (26 credits)

Post-graduation goal(s):
☐ 4-year college
☐ 2-year college
☐ Trade/Technical School
☐ Military
☐ Workforce
☐ Other _____

Career goal (based on the 16 State career clusters):
☐ Agriculture, Foods & Natural Resources
☐ Architecture & Construction
☐ Arts, A/V Technology & Communication
☐ Business, Management & Administration
☐ Education & Training
☐ Finance
☐ Government & Public Administration
☐ Health Science
☐ Hospitality & Tourism
☐ Human Services
☐ Information Technology
☐ Law, Public Safety and Security
☐ Manufacturing
☐ Marketing, Sales & Services
☐ Science, Technology, Engineering & Mathematics
☐ Transportation, Distribution & Logistics

	Middle School Graduation Credits	9th Grade 20__ - 20__	10th Grade 20__ - 20__	11th Grade 20__ - 20__	12th Grade 20__ - 20__
English (4 cr)		English 1 ☐ Regular ☐ Pre-AP Or _____	English 2 ☐ Regular ☐ Pre-AP Or _____	English 3 ☐ AP English Language & Composition Or ☐Dual Cr Or _____	English 4 ☐ AP English Literature & Composition Or ☐Dual Cr Or _____
Math (4 cr)	☐Pre-AP Algebra 1 ☐Pre-AP Geometry	Algebra 1 ☐ Regular ☐ with Lab Or _____	Geometry ☐ Regular ☐ Pre-AP Or _____	Algebra 2 ☐ Regular ☐ Pre-AP Or _____	4th Math Elective _____ Or _____
Science (4 cr)		Biology ☐ Pre-AP Or _____	Chemistry ☐ Pre-AP Or _____	Physics ☐ Pre-AP Or _____	4th Science Course _____ Or _____
Social Studies (4 cr)		World Geography ☐ Pre-AP ☐ AP Human Geography Or _____	World History ☐ Pre-AP ☐ AP World History Or _____	US History ☐ AP US History Or ☐Dual Cr Or _____	Government ☐ AP US Government Or ☐Dual Cr **And** Economics ☐ AP Microeconomics Or ☐Dual Cr
Speech (0.5 cr)					
Languages Other than English - RHSP (2 cr) - DAP (3 cr)	☐Spanish I	_____Language 1 Or _____ Language 2 ☐ Pre-AP	_____ Language 2 ☐ Pre-AP Or_____ Language 3 ☐ Pre-AP	____ Language 3 ☐ Pre-AP Or ____ Language 4 AP Language (elective credit)	_____ Language 4 AP Language (elective credit) Or _____ Language 5 AP Literature (elective credit)
PE (1 cr)					
Fine Arts (1 cr)					
Electives	☐Health (0.5 cr)				
	☐Touch Systems (0.5 cr)				
	☐Prin of _____ (0.5 cr)				
	☐Prin of _____ (0.5 cr)				
Total HS Credits	MS =	9th Grade =	10th Grade =	11th Grade =	12th Grade =
Advanced Measures DAP Only (4)					

Career Technical Education (CTE) Course Sequences for Career Goals

This information will help a student as he or she develops the four- to six-year plan for high school and beyond. These courses are considered Electives for each Graduation Plan.

Agriculture, Food & Natural Resource
Program of Study: Power Structures& Tech

Principles of Agriculture, Food & Natural Resources
Agricultural Mechanics & Metal Technologies
Agricultural Power Systems
Agricultural Facilities Design & Fabrication
Mathematical Applications in Ag, Food & Nat Res
Practicum in Agriculture, Food & Natural Resources

Agriculture, Food & Natural Resource
Program of Study: Plant Systems

Principles of Agriculture, Food & Natural Resources
Horticulture Science
Landscape Design & Turf Grass Management OR
Principles & Elements of Floral Design
Advanced Plant & Soil Science
Practicum in Agriculture, Food & Natural Resources
Mathematical Applications in Ag, Food & Nat Res
Professional Standards in Agribusiness

Agriculture, Food & Natural Resource
Program of Study: Animal Systems

Principles of Agriculture, Food & Natural Resources
Small Animal Management
Equine Science
Livestock Production
Veterinary Medical Applications
Advanced Animal Science
Professional Standards in Agribusiness
Mathematical Applications in Ag, Food & Nat Res
Practicum in Agriculture, Food & Natural Resources

Agriculture, Food & Natural Resource
Program of Study: Natural Resource Systems

Principles of Agriculture, Food & Natural Resources
Wildlife Fisheries & Ecology Management
Range Ecology & Management
Professional Standards in Agribusiness
Mathematical Applications in Ag, Food & Nat Res
Practicum in Agriculture, Food & Natural Resources
Advanced Plant & Soil Science

Architecture & Construction
Program of Study: Interior Design

Principles of Architecture & Construction
Interior Design
Advanced Interior Design
Architectural Design
Advanced Architectural Design
Practicum in Interior Design OR
Practicum in Architectural Design

Arts, Audio/Video Technology & Communication
Program of Study: Graphic Design

Principles of Arts, A/V Technology & Communications
Professional Communications
Graphic Design & Illustration
Advanced Graphic Design and Illustration
Practicum in Graphic Design and Illustration

Arts, Audio/Video Technology & Communication
Program of Study: Animation

Principles of Arts, A/V Tech & Communications
Professional Communications
Graphic Design & Illustration
Animation
Advanced Animation

Arts, Audio/Video Technology & Communication
Program of Study: Commercial Photography

Principles of Arts, A/V Tech & Communications
Professional Communications
Graphic Design & Illustration
Commercial Photography
Advanced Commercial Photography

Arts, Audio/Video Technology & Communication
Program of Study: Audio & Video Technology

Principles of Arts, A/V Tech & Communications
Professional Communications
Audio/Video Production
Advanced Audio/Video Production
Practicum in Audio/Video Production

Arts, Audio/Video Technology & Communication
Program of Study: Fashion Design

Principles of Arts, A/V Tech & Communications
Professional Communications
Fashion Design
Advanced Fashion Design
Practicum in Fashion Design

Business Management & Administration
Program of Study: Business Information

Principles of Business, Marketing & Finance
Touch System Data Entry
Business Information Management I
Business Information Management II
Business Law

Finance
Program of Study: Finance

Principles of Business, Marketing & Finance
Touch System Data Entry
Money Matters
Accounting I
Accounting II
Statistics & Risk Management

Marketing, Sales & Services
Program of Study: Marketing

Principles of Business, Finance & Marketing
Entrepreneurship
Fashion Marketing
Retailing & E-tailing
Sports & Entertainment Marketing
Advertising & Sales Promotion
Marketing Dynamics
Practicum in Marketing Dynamics

Law, Public Safety, Corrections & Security
Program of Study: Law Enforcement

Principles of Law, Public Safety, Correct & Sec
Law Enforcement I
Correctional Services
Court Systems & Practices
Security Services
Digital Forensics
Forensic Science
Law Enforcement II

Law, Public Safety, Corrections & Security
Program of Study: Firefighter

Principles of Law, Public Safety, Correct & Sec
Firefighter I
Firefighter II
Security Services
Forensic Science

Science, Technology, Engineering & Mathematics
Program of Study: Pre-Engineering

Introduction to Engineering Design
Digital Electronics
Principles of Engineering
Aerospace Engineering
Engineering Design & Development

Health Science
Program of Study: Health Science

Principles of Health Science
Health Science
Lifetime Nutrition & Wellness
Counseling & Mental Health
Anatomy & Physiology
Medical Microbiology
Pathophysiology
Practicum in Health Science

Hospitality & Tourism
Program of Study: Culinary Arts

Principles of Hospitality and Tourism
Restaurant Management
Lifetime Nutrition & Wellness
Culinary Arts
Food Science
Family & Community Services
Practicum in Culinary Arts

Human Services
Program of Study: Child Development

Principles of Human Services
Child Development
Dollars and Sense
Lifetime Nutrition & Wellness
Interpersonal Studies
Child Guidance
Practicum in Human Services

Human Services
Program of Study: Cosmetology

Principles of Human Services
Introduction to Cosmetology
Cosmetology I
Cosmetology II

Education & Training
Program of Study: Education and Training

Principles of Education & Training
Human Growth & Development
Instructional Practice in Education & Training
Practicum in Education & Training

Information Technology
Program of Study: Help Desk & Computer

Principles of Information Technology
Computer Maintenance
Telecommunications & Networking
Computer Technician

Information Technology
Program of Study: Web &Digital Communication

Principles of Information Technology
Digital & Interactive Media
Web Technologies
Mobile Application Development

APPENDIX E

NCAA Eligibility Requirements for Student Athletes

The NCAA Initial-Eligibility Center, located in Iowa City, Iowa, is the organization that handles **ALL** inquiries regarding an individual's initial eligibility status. The Eligibility Center operates a separate Web site at https://web1.ncaa.org/eligibilitycenter which maintains and processes all of the initial-eligibility certifications for college-bound student athletes. Since 1994 the NCAA Initial-Eligibility Center has evaluated the academic credentials of high school student-athletes interested in participating in athletics at an NCAA Division I or II member institution.

In an effort to continue their emphasis on the educational mission of the intercollegiate athletics, the responsibilities of the Eligibility Center will expand to include amateurism status of these prospects. The intent is to determine if a student is still an amateur, and therefore qualified to participate in college athletics at the Division I or II level. This requirement is only for students who intend to participate in Division I or II institutions. If the prospect plans to enroll at a non-NCAA member institution, a two-year institution or an NCAA Division III institution, the prospective student will NOT need to register with the Eligibility Center.

NCAA Eligibility Center Website and Services

The key features of the new Eligibility Center services include:

- **IMPORTANT!** New Eligibility Rules ! (Below)
- You may access the Eligibility Center Home Page directly or through links from the NCAA's Website at www.ncaa.org.
- From the NCAA Eligibility Center website, prospective student-athletes are able to access information needed to understand the Division I and Division II eligibility requirements, register with the Eligibility Center and access individual Eligibility Center records.
- Prospective Student-Athletes (Domestic) who are eligible for a waiver of the Initial-Eligibility Certification Fee may complete their Student Release Form (SRF) online. NOTE: to be eligible for a fee waiver, you must have already received a fee waiver (not state voucher) for the ACT or SAT. Your high school counselor will also be required to submit an electronic fee waiver verification on your behalf (high school counselors with PIN access may submit waivers for eligible students from the High School Administrator section of the Eligibility Center website).

Important Information About Division I and Division II Initial-Eligibility Changes

The Division I and Division II initial-eligibility requirements have changed.

WHAT IS THE NEW RULE? The new requirements increase the number of required core courses from 13 to 14. The additional course may come from any of the following areas: English, mathematics, natural/physical science, social science, foreign language, non-doctrinal religion or philosophy. Please see the important notice below about the elimination of computer science.

For the class of 2008 and after: Division I only -- 16 core courses If you plan to enter college in 2008 or after, you will need to present 16 core courses in the following breakdown:

- 4 years of English
- **3** years of mathematics (Algebra I or higher)
- 2 years of natural/physical science (one must be a lab science)
- 1 year of additional English, math or science
- 2 years of social studies
- **4** years of additional core courses (from any area listed above, or from foreign language, non-doctrinal religion or philosophy)

Computer science being eliminated for core-course purposes

Computer science courses will no longer be able to be used for initial-eligibility purposes. This rule is effective August 1, 2005, for students first entering a collegiate institution on or after August 1, 2005. Computer science courses (such as programming) that are taught through the mathematics or natural/physical science departments and receive either math or science credit and are on the high school's list of approved core courses as math or science may be used after the August 1, 2005, date.

NCAA Freshman-Eligibility Standards Quick Reference Sheet

Core Courses: (see the breakdown of core-course requirements below)

- 16 Core Courses are required for Division I.
- 14 Core Courses are required for Division II.

Test Scores: (see sliding scale of test scores and grade point average)

- Division I has a sliding scale of test score and GPA requirements.
- Division II has a minimum SAT score requirement of 820 or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the four sections on the ACT: English, math, reading, and science.
- All SAT and ACT scores must be reported directly to the NCAA Initial-Eligibility Center by the testing agency. Test scores that appear on transcripts will not be used. When registering for the SAT or ACT, use the Eligibility Center code of 9999 to make sure the score is reported to the Eligibility Center.

Grade Point Average:

- Only Core Courses are used in the calculation of the GPA.
- Make sure you look at your high school's list of NCAA-approved core courses on the Eligibility Center website to make sure the courses being taken have been approved as core courses. The website is https://web1.ncaa.org/eligibilitycenter.
- Division I GPA requirements are listed on the sliding scale.
- Division II GPA requirement is a minimum 2.000.

DIVISION I
16 Core-Course Rule
2008 and after

16 Core Courses:
4 years of English
3 years of mathematics (Algebra I or higher)
2 years of natural/physical science (1 year of lab if offered by high school)
1 year of additional English, mathematics, or natural/physical science
2 years of social science
4 years of additional courses (from area above, foreign language or non-doctrinal religion/philosophy)

DIVISION II
2005 and after

14 Core Courses:
3 years of English
2 years of mathematics (Algebra I or higher)
2 years of natural/physical science (1 year of lab if offered by high school)
2 years of additional English, mathematics, or natural/physical science
2 years of social science
3 years of additional courses (from area above, foreign language or non-doctrinal religion/philosophy)

Grade Point Average

- In **Division II**, there is no sliding scale. The minimum core GPA is 2.000. The minimum SAT score is 820 (verbal and math sections only) and the minimum ACT sum score is 68.
- For more information regarding the rules, please go to www.ncaa.org. Click on "Academics and Athletes" then "Eligibility and Recruiting." Also visit the Eligibility Center website at https://web1.ncaa.org/eligibilitycenter. If you have questions about NCAA eligibility, please call the NCAA Initial-Eligibility Center toll-free at 877-262-1492 or the NCAA at 317-917-6222.
- **Definition of a Professional Team**
- For Division I and II, a team is considered professional if it declares itself to be professional or provides any player on the team with more than actual and necessary expenses for their participation on the team
- Actual and Necessary Expenses are limited to:
    - Meals, Lodging, Transportation, Apparel, equipment and supplies, Coaching and instruction, use of facilities and entry fees, Health insurance, medical treatment and physical therapy directly tied to competition and practice held in preparation for competition, and other reasonable expenses (e.g. laundry money).
- **Definition of Organized Competition**
- **Division I** is any of the following: Competition is scheduled and publicized in advance; Official score is kept; Individual or team standings are maintained; Official timer or game officials are used; Admission is charged; Teams are regularly formed or team rosters are predetermined; Team uniforms are used; A team is privately or commercially sponsored; or the competition is either directly or indirectly sponsored, promoted, or administered by an individual, an organization or any other agency.

DIVISION I		
Core GPA/Test-Score Sliding Scale New Core GPA/Test Score Index		
Core GPA	**SAT (verbal and math ONLY)**	**ACT (sum of four scores)**
3.550 & above	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	59
2.700	730	60
2.675	740-750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840-850	70
2.425	860	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	80
2.125	960	81
2.100	970	82
2.075	980	83
2.050	990	84
2.025	1000	85
2.000	1010	86

- **Definition of organized Competition** for **Division II** if any of the following criteria are met: Competition or training with a team in which compensation is provided to any of the participants; a team that declares itself to be professional; competition or training in which the participant receives compensation (including actual and necessary expenses); competition as a result of signing a contract for athletics participation; as a result of involvement in professional draft; competition funded by a professional sports organization; funded by a representative of an institution's athletics interest that is not an open event; or practice with a professional athletics team (excluding a 48-hour tryout).
- Compensation for Division II are actual and necessary expenses limited to: Meals, transportation, lodging, medical insurance, stipend (e.g. money for gas or food), or medical expenses. Any reasonable expenses other than these are not considered compensation. If an individual pays a fee to participate on a team, the individual uses a season of competition only if the amount of actual and necessary expenses or other compensation received exceeds the amount of the fee.

Overview of NCAA Division I and II Amateurism Rules for Students Before College Enrollment

	Permissible in:	
	DIVISION I	**DIVISION II**
Enters into a Contract with a Professional Team	**No**	**Yes**
Accepts Prize Money	**Yes**. Only if the event is open and not invitation only, and the prize money does not exceed actual and necessary expenses.	**Yes**
Enters Draft	**Yes.**	**Yes**
Accepts Salary	**No**	**Yes**
Receives Expenses from a Professional Team	**No**	**Yes**
Competes on a Team with Professionals	**No**	**Yes**
Tryouts with a Professional Team Prior to Initial Collegiate Enrollment	**Yes**. It is permissible to receive actual and necessary expenses for one visit (up to 48 hours) with each professional team. Self-financed tryouts may be for more than 48 hours.	**Yes**
Receives Benefit from an Agent	**No**	**No**
Enters into Agreement with an Agent (oral or written)	**No**	**No**
Accepts Educational Expenses	**Yes.** Only if the expenses are received from someone other than an agent, professional sports team/organization or a representative of an institution's athletics interest and the expenses are distributed directly through the recipient's educational institution.	**Yes.** Only if the expenses are received from someone other than an agent, professional sports team/organization or a representative of an institution's athletics interest and the expenses are distributed directly through the recipient's educational institution.
Accepts Free Equipment or Apparel	**Yes.** Only if the items are related to the athletes sport and are received directly from the manufacturer, the student-athlete does not enter into any agreement with the manufacturer that allows the athlete to choose the items, and an institution's coach is in no way involved in the selecting of the athlete to receive such items.	**Yes.** Only if the items are related to the athletes sport and are received directly from the manufacturer, the student-athlete does not enter into any agreement with the manufacturer that allows the athlete to choose the items, and an institution's coach is in no way involved in the selecting of the athlete to receive such items.
Delays Full-Time Collegiate Enrollment and Participates in Organized Competition **(If you are charged with season(s) of competition under this rule, you will also have to serve an academic year in residence at the NCAA institution.)**	**Tennis and Swimming & Diving:** Student-athlete has one-year after high school graduation to enroll full time in a collegiate institution or will lose one season of intercollegiate competition for each calendar year during which the student continues to participate in organized sport competition. (See organized sport competition definition) **All Other Sports:** Any participation in organized sports competition (see definition) during each 12-month period after the student-athlete's 21st birthday and prior to initial full-time enrollment in a collegiate institution shall count as one year of varsity competition.	All Sports: A student-athlete must enroll at the next opportunity (excluding summer) immediately following the date that the student's high school class normally graduates (or the international equivalent) or the student-athlete will use a season of intercollegiate competition for each calendar year or sports season (subsequent to that date) in which the student-athlete has participated in organized sport competition (see organized sport competition definition).

APPENDIX F
Websites

Planning for Career and College

A great deal of online information is available in planning for your future. Use the following websites as resources for the valuable information.

www.bridges.com	*College and Career Planning Web site for all Crowley ISD secondary students; please see the home campus counselor for username and password or visit http://ctecenter.crowleyisdtx.org/*
www.essayedge.com	*Admissions Essay Writing Tips*
Testing Sites	
www.track.uttelecampus.org	*TAKS test preparation*
www.march2success.org	*SAT and ACT test preparation*
www.collegeboard.com	*Registration for SAT and SAT test preparation*
www.act.org	*Registration for ACT and ACT test preparation*
College Information Searches	
www.collegeboard.com/quickstart	*College Search Planning*
www.act.org	*College Information*
www.collegefortexans.com	*Texas Financial Aid Information Center. Preparing for college, choosing a college, paying for college, career preparation – Texas Common Application (Apply Texas)*
www.thecb.state.tx.us	*Texas Higher Education Coordinating Board. Texas institutions of higher education*
www.review.com	*Test preparation and college information*
www.collegelink.com	*Planning, financial aid articles*
www.embark.com	*Career & college information*
www.petersons.com	*College directory information*
www.xap.com	*Planning, testing, choosing colleges*
www.collegeexpress.com	*College search*
www.nces.ed.gov/ipeds/cool	*Database of colleges, college search based on profile*
www.nacacnet.org	*National Association for College Admission, virtual Q & A chat with institutions*
www.theadmissionsoffice.com	*The Admissions Office, virtual tours of universities, admissions, applications, exams, essays*
www.texasmentor.org	*Help with admissions process*
www.ncaa.org	*NCAA Eligibility Center information for student athletes*
www.myfuture.com	*Overview of military educational career benefits with links to each service*
www.collegeparents.org	*CPA (College Parents of America), an advocacy organization in Washington, DC that features information on nationwide programs. Also call 1-888-256-4627*

Financial Aid and Scholarship Sites	
www.fafsa.ed.gov	*Free Application for Federal Student Aid (FAFSA). Complete the form online*
www.fafsa.ed.gov/complete001.htm	*Information on completing the FAFSA form*
www.fastweb.com	*Database of scholarships and grants*
www.finaid.org	*Calculators and resources on financial aid, grants, scholarships, and consumer information*
www.cashe.com	*Scholarship information*
http://finaid.org/otheraid/minority.phtml	*Minority scholarships and fellowships*
www.freeschinfo.com	*Scholarship services*
www.thecb.state.tx.us	*Texas Higher Education Coordinating Board Financial Aid programs*
www.plato.org	*PLATO scholarship and loan search*
www.adventureineducation.com	*Information on applying for financial aid, managing money and repaying student loans*
www.loanstar.com	*One of many banking options for educational funding*
Career Information	
http://decide.cdr.state.tx.us/ASP/intro.asp	*Data for Educational & Career Informed Decision for Everyone (DECIDE). Link to career sites*
www.mapping-your-future.org	*Information for selecting careers, colleges, financial aid*
www.mapping-your-future.org/espanol/	*Spanish information for selecting careers, colleges, financial aid*
www.careermag.org	*Networked job seekers*
www.careers.org	*Links to career reference sites Search geographically, alphabetically and by job family*
www.ny**career**zone.org/graphic/assessment/index.jsp	*Online career interest survey*
http://www.bls.gov/oco/home.htm	*Occupational Outlook handbook. Site of Bureau of Labor Statistics, search by career*
www.ioscar.org	*Online career interest survey from Bureau of Labor Statistics*
www.twc.state.tx.us	*Texas Workforce Commission. Information on educational and job training.*
http://www.cpa.state.tx.us/scholars/mspabout.html	*Compendium of Texas Colleges and financial Aid Center*
www.free-4u.com/minority.htm	*Scholarships, grants, fellowships, internships*
www.ed.gov	*US Department of Education. Hope scholarships, Lifetime Learning credits, FAFSA*
www.collegeispossible.org	*Resource guide for parents, students, and education professionals*
www.edonline.com/collegecompass	*Career assessment and suggestions, based on interests, abilities, personality*

APPENDIX G
Glossary of Terms

Academic Achievement Record (Transcript): An official copy of a student's educational record which contains general information about the student's courses taken with grades and credits earned along with other school records such as standardized test scores, honors, grade point averages, class rank, and the appropriate academic seal, for graduates.

ACT: The American College Test refers to one of the two most frequently used college or university admissions exams. The test may be a requirement for admission to certain colleges or universities.

Advanced Placement Courses: Advanced Placement, AP, is a program of college-level courses and exams that give high school students the opportunity to receive advanced placement and/or credit in college. Each college decides with AP examination grades it will accept for credit and/or advanced placement. Almost all colleges and universities in the United States and Canada take part in the AP Program; most institutions accept exam scores of 3 or above.

Articulated Technical Credit (ATC): A program which, through signed articulation agreements between a high school and a Texas college, allows students to earn college credit for certain high school courses. To receive college credit, students must meet minimum competency levels specified by the college and enroll in the designated program at the college. (see section V. How to Earn College Credit while in High School)

Career Clusters: Sixteen areas of study identified by the State of Texas into which all careers and jobs can be categorized: Agriculture, Food & Natural Resources; Architecture & Construction; Arts, Audio/Video Technology & Communication; Business Management & Administration; Education & Training; Finance; Government & Public Administration; Health Science; Hospitality & Tourism; Human Services; Information Technology; Marketing, Sales & Services; Science, Technology, Engineering & Mathematics; Transportation, Distribution & Logistics.

Coherent Sequence: A series of three courses which are recommended for a specific career pathway all taken in the same career cluster. (see also the Four-Year Graduation Plan in Appendix)

College/University Admission Requirements: The minimum standard required by a specific college or university for admission to a course of study. College catalogs and websites contain these requirements.

Correspondence Course: A self-paced, individual study program offered by Texas Tech University. Successful completion of this course will give the student credit toward graduation. The cost of the correspondence course is the responsibility of the student, and the counselor can provide information on enrolling.

Credit: Recognition given by the school that the student has fulfilled the requirements for a designated course. One-half credit is earned for successful completion of one-semester, or a one-semester course; one credit is earned for successful completion of two-semesters, or a full-year course. Successful completion of a course is defined by the State of Texas as earning a grade of 70 or higher based upon a 100 point scale.

Credit by Examination (CBE): Students may take an examination to receive credit toward graduation. Credit by examination shall not be used to gain eligibility for participation in extracurricular activities. To receive credit, students shall score a grade of 90 or above on the examination for courses they have not received prior instruction and 70 or above on the examination for courses previously failed. The score earned will become the grade entered on the student's transcript and will be included in the GPA. (see section IV Academic Achievement Record)

Dual Credit: Certain approved courses which are taken either at the high school or at a college campus that earn both high school graduation and college credit simultaneously. (see section V. How to Earn College Credit while in High School)

End-of-Course (EOC); Also known as STAAR EOC, course specific state assessments taken near the end of the year for each state graduation core course. Consists of exams for the following courses; Algebra I, Geometry, Algebra II, Biology Chemistry, Physics, English I Reading, English I Writing, English II Reading,

English II Writing, English III Reading, English III Writing, World Geography, World History, and U.S. History. (see also STAAR)

Grade Point Average (GPA): Semester grade-point average and cumulative grade-point average are calculated to represent numerically a student's quality of performance. The grade point average takes into consideration the number of credits a student has earned each semester and the numerical grade the student has made in each course. There are two types of GPAs in CISD: Un-weighted 4.0 GPA and Weighted/Calibrated GPA. These averages are used to determine if a student qualifies for certain academic activities such as honor graduate.

Personal Graduation Plan (PGP) is recommended for all students entering grade 9 and is required by state law for any student in middle school or higher who fails a section on a state-mandated test or is identified by the district as not likely to earn a high school diploma before the fifth school year after he or she begins grade 9.

Pre-AP Courses: These courses are preparatory courses for AP courses. In this program students will be given the opportunity to develop critical thinking and problem solving skills as they study a subject in greater depth while becoming academically prepared for the demands of AP and college courses. Students must assume responsibility for considerable out-of-class reading and/or homework assignments and have well-developed reading, writing, and/or math skills**.** No Advanced Placement examination will be given at the end of a Pre-AP course.

Prerequisite: A required course that must be taken prior to enrolling in a designated course. Prerequisites, that are not courses, are instructor requirements that must be met for safety or legal reasons.

Program of Study: A grouping of courses to prepare students for a career in a specific area or to prepare students for post-secondary courses in a career area. Many programs of study allow students to gain certifications for the workplace or articulated credit.

SAT: The Scholastic Aptitude Test refers to the second of the two most frequently used college or university admissions exams. The test may be a requirement for admissions to certain colleges or universities.

Semester: The major unit of time into which the school year is divided. Each semester is approximately 18 weeks. The fall semester includes the first-, second-, and third-marking periods for report cards; the spring semester includes the fourth-, fifth-, and sixth-marking periods, along with the final yearly average.

STAAR; Beginning in spring 2012 the State of Texas Assessments of Academic Readiness (STAAR) will replace the TAKS. The STAAR program at grades 3-8 will assess the same subjects and grades that are currently assessed on TAKS. At the high school, however, grade-specific assessments will be replaced with 15 end-of-course (EOC) assessments; Algebra I, geometry, Algebra II, biology, chemistry, physics, English I, English II, English III, world geography, world history, and U.S. history.

TAKS – Exit Level: The Texas Assessment of Knowledge and Skills (TAKS) – Exit Level is a test which students are required by state law to pass before receiving a high school diploma. Students are allowed to take the TAKS Exit for the first time in the spring of their eleventh grade year. Students who fail to pass any of the four sections of the test are required to retake the section(s) each time the test is given until passing all sections. The four sections of the TAKS Exit are English Language Arts, Mathematics, Science, and Social Studies. The 10^{th} grade TAKS test is a good indicator of the areas of success and weakness for a student as he or she prepares for the TAKS Exit. According to CISD Board Policy [EHBC Local], students who fail to demonstrate mastery on the reading, English Language Arts, or math TAKS test shall be enrolled in the TAKS tutorial lab the following semester. The TAKS tutorial lab shall be scheduled in place of an elective course, and students shall receive local credit only. (See the course description for the Test-taking Strategies and Critical Thinking course)

Tarrant County College (TCC): Tarrant County College serves the citizens of Tarrant County, Texas. The college has four major campuses in the cities of Hurst (Northeast Campus), Fort Worth (Northwest and South Campuses), and Arlington (Southeast Campus), with administrative offices in downtown Fort Worth at the May Owen Center. Crowley ISD has an articulated agreement with TCC to allow students to earn college credit for high school courses taken in this district.

Texas Higher Education Assessment (THEA): An assessment of the academic skills of each student entering an undergraduate program at a Texas college or university prior to enrollment of the student. There are minimum passing standards used by an institution to determine a student's readiness to enroll in freshman-level academic coursework. Tarrant County College uses the ACCUPLACER for this examination.

University Interscholastic League (UIL): The UIL determines the methods by which public schools organize, direct, and supervise competitive activities. These activities include athletics, music, speech/debate, theater, literary and academics. According to UIL rules, students must pass all classes during a marking period to be eligible to participate in a UIL competition such as games, contests, performances, etc.