

High School Course Description Guide 2016-2017



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.



Department of
Curriculum and Instruction

Dear Students and Parents:

Crowley Independent School District is committed to providing opportunities for students that allow them to prepare for post-secondary readiness in both college and careers. This course description guide has been developed to provide information so you can plan a course for your child to take advantage of the programs and course offerings in our school district.

Students are encouraged to select courses that will provide them with the opportunities to enter the job market with skills for a successful career and be able to successfully gain admission to the college of their choice.

Please review the requirements for graduation and course descriptions to help plan your child's course selections. If you have questions concerning choices for your student, please contact the campus counseling office for assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Eduardo Hernandez", is written over a faint, light-colored signature line.

Dr. Eduardo Hernandez
Chief Instruction Officer



Contents

SCHEDULING AND COURSE SELECTIONS	5
<i>SCHEDULING UNDER THE SEVEN PERIOD DAY</i>	5
<i>SCHEDULE CHANGES</i>	5
ACADEMIC AND GENERAL INFORMATION	6
<i>CISD GRADING SYSTEM FOR GRADES 9-12</i>	6
<i>ENROLLMENT</i>	6
<i>REQUIRED COURSES</i>	6
<i>ELECTIVE AND ENDORSEMENT COURSES</i>	6
<i>ADVANCED COURSES</i>	6
<i>GIFTED AND TALENTED PROGRAM</i>	7
<i>SPECIAL EDUCATION PROGRAM</i>	7
<i>ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL)</i>	7
<i>CAREER AND TECHNICAL EDUCATION</i>	7
<i>HIGH SCHOOL PE AND SUBSTITUTIONS</i>	7
<i>LOCAL CREDIT COURSES</i>	7
<i>NCAA (NATIONAL COLLEGIATE ATHLETIC ASSOCIATION) ELIGIBILITY REQUIREMENTS</i>	7
<i>ADDITIONAL WAYS TO EARN CREDIT</i>	8
<i>GRADE LEVEL ADVANCEMENT AND CLASSIFICATION</i>	8
<i>TRANSCRIPTS</i>	8
<i>STAAR - END OF COURSE ASSESSMENT PROGRAM</i>	8
<i>PSAT/NMSQT</i>	9
<i>PSAT 8</i>	9
<i>SAT/ACT</i>	9
<i>SAT SUBJECT AREA TESTS</i>	9
<i>TSI</i>	9
<i>ATTENDANCE FOR CREDIT</i>	9
<i>HIGH SCHOOL OPPORTUNITIES FOR REPEATING A FAILED COURSE</i>	9
GRADUATION PLANS THROUGH CLASS OF 2017	10
GRADUATION PLANS CLASS OF 2018 AND BEYOND	11
ENGLISH/LANGUAGE ARTS	14
MATHEMATICS	19
SCIENCE	22
SOCIAL STUDIES	27
LANGUAGES OTHER THAN ENGLISH	31
FINE ARTS	33
CAREER AND TECHNICAL EDUCATION	40
<i>FRESHMAN SURVEY CAREER AND TECHNICAL EDUCATION COURSES</i>	40
<i>AGRICULTURE, FOOD AND NATURAL RESOURCES PATHWAY</i>	41
<i>ARTS & COMMUNICATIONS PATHWAY</i>	44
<i>ARCHITECTURE AND CONSTRUCTION PATHWAY</i>	46
<i>BUSINESS, MARKETING, AND FINANCE PATHWAY</i>	47
<i>EDUCATION & TRAINING PATHWAY</i>	49
<i>GOVERNMENT AND PUBLIC ADMINISTRATION PATHWAY</i>	50

<i>HEALTH SCIENCE PATHWAY</i>	50
<i>HOSPITALITY AND TOURISM PATHWAY</i>	51
<i>HUMAN SERVICES PATHWAY</i>	52
<i>INFORMATION TECHNOLOGY PATHWAY</i>	53
<i>LAW AND PUBLIC SAFETY PATHWAY</i>	55
<i>SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS PATHWAY</i>	56
<i>TRANSPORTATION, DISTRIBUTION & LOGISTICS PATHWAY</i>	57
<i>MULTIPATHWAY COURSES</i>	58
ATHLETICS/PHYSICAL EDUCATION	59
OTHER ELECTIVES	62
APPENDICES	67
<i>APPENDIX A - ADVANCED ACADEMIC COURSES</i>	68
<i>APPENDIX B - GRADUATION ENDORSEMENTS</i>	70
<i>APPENDIX C - GRADUATION PERFORMANCE ACKNOWLEDGEMENTS</i>	73
<i>APPENDIX D - DUAL CREDIT COURSES</i>	74
<i>APPENDIX E – COURSES THAT COUNT FOR 4TH MATH CREDIT</i>	77

Scheduling and Course Selections

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.

The purpose of the Course Selection Guide 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.

SCHEDULING UNDER THE SEVEN PERIOD DAY

CISD high schools are organized on a seven period day schedule. Ninth, tenth, and eleventh grade students are **required** to take seven classes each semester. Twelfth grade students who have passed EOC or Endorsement will be **required** to take six classes each semester, unless credits have been accelerated through summer programs, virtual learning, or college concurrent enrollment. Seniors who have not passed EOC **must** take seven classes. However, we strongly advise all seniors to take advantage of the educational opportunities found in CISD, including AP courses, dual credit, and Career and Technical Education, to prepare for post-secondary opportunities. Seniors not taking seven classes must sign up for early release/late arrival and leave campus during these times.

SCHEDULE CHANGES

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

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

ACADEMIC AND GENERAL INFORMATION

CISD GRADING SYSTEM FOR GRADES 9-12

Campuses use a weighted numerical grading system to calculate semester grades. In calculating GPA, additional weight is given to courses designated as Advanced Academic courses. Please see the Crowley ISD Guidance and Counseling web page for information on how to calculate GPA. The following chart reflects the CISD grading system for grades 9-12:

A	90-100
B	80-89
C	70-79
F	69 and below

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.

For students entering CISD for the first time in grades 9-12:

The following conversion chart shall be used to enter transfer grades if the previous school does not have a conversion chart. CISD will use the conversion chart of the student's previous school if one is provided.

A+	A	A-	B+	B	B-	C+	C	C-	D	F
98	95	92	88	85	82	78	75	72	70	60

Students transferring from unaccredited schools or homeschooling shall be individually assessed. Please see the campus counselor.

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.

ELECTIVE AND ENDORSEMENT COURSES

In addition to required state courses, students must choose other courses to complete their schedules and their graduation plan. Endorsement courses or elective credits should be chosen according to the students Personal Graduation Plan (PGP).

ADVANCED COURSES

Advanced courses are offered to CISD students with special talents and abilities for the purpose of challenging students for higher and diverse achievement. Advanced courses are listed in the appendix of this guide. Students involved in advanced courses will be performing at a college level, including reading, writing, test taking, and self-discipline. 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.

Advanced Placement (AP) courses follow curriculum which 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. Each exam may have a corresponding fee and it is the responsibility of the student to inquire if their college of choice accepts advanced placement exam credit and to request that credit is given upon 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. AP exam applications are due by Spring Break and payment will be due by the end of the week following Spring Break.

Students may be granted credit for college course(s) taken at Tarrant County College (TCC) or other approved institutions to fulfill requirements for high school graduation. Please see Appendix E for a list of dual credit offerings. Approval for courses for which credit is granted is determined by the principal and the Chief Instructional Officer. Students 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. 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. It is the responsibility of the student to request that TCC send a copy of the college transcript to the college of choice. For more specific information, please see the counselor or Advanced Academic Coordinator on campus.

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 the ninth through twelfth grade, gifted students are served through advanced courses.

SPECIAL EDUCATION PROGRAM

Special Education courses are offered to assist eligible students in both academic and nonacademic areas. Graduation may be the successful completion of all curriculum requirements and satisfactory performance on the secondary exit-level assessment instrument or it may be the successful completion of an individualized education program (IEP) and the criteria for graduating pursuant to an IEP. A student with disabilities may graduate by completing the same program required of non-disabled students or by completing the requirements of his/her IEP and meeting the criteria set forth by the commissioner in 19 T.A.C. 89.1070.

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.

CAREER AND TECHNICAL EDUCATION

The Career and Technical Education (CTE) Program in CISD is dedicated to preparing young people for careers and college. CTE Programs of Study identify endorsements from secondary school to two- and four-year colleges, graduate school, the workplace, and industry certification so students can prepare for beyond high school. This program enables students to gain entry-level employment in a high-skill, high-wage job and/or to continue their education. Many of the CTE courses and endorsement courses are offered at the Bill R. Johnson CTE Center (BRJ CTEC). Students can attend their home campus and be transported to BRJ CTEC during the school day.

HIGH SCHOOL PE AND 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.

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.

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 showing that they meet NCAA requirements. More information can be obtained from the Counseling Office and the following website - <https://web1.ncaa.org/hportal>

ADDITIONAL WAYS TO EARN CREDIT

The State Board of Education has proposed different methods by which a student may earn credit. For more information, please contact your high school's counseling center.

- **Credit by Examination (CBE) for Credit Recovery (With Prior Instruction):**
Credit by Exam is designed as an option to earn credit for those students who have attended a class, at least 55 hours(11 weeks) and received a semester average no lower than a 60. The decision to allow a student to earn Credit by Exam must be made by the attendance committee when failure of the course resulted from excessive absences. Students have the opportunity to take an exam through Texas Tech or UT Austin Correspondence School. Applications may be obtained online and approved in the high school counseling center. A score of 70 or better is required for credit. If credit is awarded, grades will be recorded on the students transcript, computed in the credits toward graduation, and calculated in the students overall grade average and rank in class. Fees are established by the universities. Student/Parent is responsible for fees charged by Texas Tech or UT Austin.
- **Credit by Examination (CBE) For Acceleration (Without Prior Instruction):**
Students who provide evidence of proficiency in a subject area may take a CBE for acceleration. A score of 80% is required for credit per Senate Bill 1. **Contact your counselor for more information.** If credit is awarded, grades will be recorded on the student's transcript, computed in the credits toward graduation, and calculated in the student's overall grade average and rank in class. Testing dates and registration dates for 2016-2017 are available in each campus counseling office.
- **Correspondence/Virtual Courses:**
Students in grades 9-12 are eligible to earn credits toward graduation through correspondence/virtual courses. Grades earned in correspondence/virtual courses will be recorded on the student's transcript, computed in the credits toward graduation, and calculated in the student's overall grade average and rank in class. Students may apply for these course options through their high school counseling center. Self-discipline to complete the lessons and taking the final exams within a specific time frame are important factors when considering correspondence/virtual courses.

State approved correspondence courses are offered by Texas Tech and UT Austin. Student is responsible for all course fees and textbook(s). Crowley ISD also offers courses through Connections Academy for enrichment for additional courses not offered on a Crowley ISD campus such as additional foreign languages or Advanced Placement courses. See your high school counseling center for more information.

Crowley ISD also has a full-time virtual academy, Global Prep Academy. For more information, see your high school counseling center.

GRADE LEVEL ADVANCEMENT AND CLASSIFICATION

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

CLASSIFICATION OF STUDENTS	
Freshman	0 to 5 1/2 credits
Sophomore	6 or more state graduation credits
Junior	12 or more state graduation credits
Senior	19 or more state graduation credits

TRANSCRIPTS

Students must make a written request in the registrar's office for each needed transcript at a minimal fee per transcript. Transcripts must be mailed directly to colleges in order to be considered official. In addition to needing transcripts for admission, colleges require a final transcript to be sent upon completion of high school graduation. A transcript is a working document and not complete until graduation.

STAAR - END OF COURSE ASSESSMENT PROGRAM

Starting with the 9th grade class of 2011-2012, students are required to take the STAAR EOC (State of Texas Assessments of Academic Readiness End-Of-Course) exams. Students must successfully demonstrate mastery at the end of Algebra I, United States History, English I, English II, and Biology.

PSAT/NMSQT

This test is designed to test the verbal, mathematical, and written skills of students. This test is taken in preparation for the SAT during the junior year. National Merit Scholarships are available if the student's junior level scores qualify him/her to be a Finalist. College bound ninth and tenth graders are encouraged to take the PSAT as practice for the junior year where the scores count for scholarship consideration. This test is given only once per year in October.

PSAT 8

This test measures skills students need to be on track for success in college and careers. It is given during middle school.

SAT/ACT

Most colleges and universities require one of two major entrance exams: the American College Testing Program (ACT) and/or the Scholastic Aptitude Test (SAT). Students usually take these at the end of the junior year or at the beginning of the senior year. Websites are www.actstudent.org and www.collegeboard.com

SAT Subject Area Tests

Some colleges require students to take the SAT subject area tests. These are subject tests given on specific SAT dates. Check with the college you plan to attend to verify whether these tests are needed for admission.

TSI

The TSI Assessment is designed to help colleges determine if you are ready for college-level course work in the general areas of reading, writing and mathematics. In CISD, it is given several times a year at Bill R. Johnson CTEC. Please see your Advanced Academic Coordinator for more information.

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.

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. The highest grade that can be earned for a credit retrieval course is a 70. 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 Crowley Learning 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.

Graduation Plans Through Class of 2017

(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: English I, II, III, and IV	Four credits: English I, II, III, and IV	Four credits: English I, II, III, and IV
Mathematics	Three credits to include: Algebra I and Geometry Third Credit from: Mathematical Models with Applications, Mathematical Applications in Agriculture, Food, and Natural Resources (CTE), Algebra II, Pre-Calculus, Advanced Quantitative Reasoning (AQR), Engineering Mathematics (CTE), Statistics & Risk Management (CTE)	Four credits must consist of: Algebra I, Geometry and 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), 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	Four credits must consist of: Algebra I, Geometry and 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), Discrete Math, Dual Credit College Algebra Independent Study in Math (Calculus), Engineering Mathematics (CTE), Statistics & Risk Management (CTE)
<i>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 Programming, Computer Science II or III, Advanced Computer Programming (AP Computer Science A), 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</i>			
Science	Two credits to include: Biology Integrated Physics/Chemistry May substitute Chemistry or Physics for IPC but must use the other as an elective credit. Students are encouraged to take courses in biology, chemistry, and physics	Four credits: Biology or AP Biology Chemistry or Pre-AP Chemistry 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)	Four credits: Biology or AP Biology Chemistry or AP Chemistry 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)
Social Studies	Three and one-half credits must consist of: World Geography World History US History US Government (one-half credit)	Three and one-half credits must consist of: World Geography World History US History US Government (one-half credit)	Three and one-half credits must consist of: World Geography World History US History US Government (one-half credit)
Economics with emphasis	One-half credit.	One-half credit.	One-half credit.

on free enterprise system and its benefits

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	One credit.	One credit.
Speech	One-half credit: Professional Communication	One-half credit: Professional Communication	One-half credit: Professional Communication
Electives	Seven and one-half credits (one of these may be a Local credit) Selected from courses approved by the State Board Of Education for Grades 9-12	Five and one-half credits	Four and one-half credits (relating to Essential Knowledge and Skills)
Advanced Measures	None.	None.	<p>Requirements: A student must achieve any combination of four of the following (all four may be in the same category):</p> <p>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 Black American 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.</p> <p>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.</p> <p>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.</p>

GRADUATION PLAN FOR CLASS OF 2018 AND BEYOND



GRADUATION PLAN

FOUNDATION GRADUATION PLAN

4 ENGLISH
ENGLISH I, II, III
ADV ENGLISH

3 MATHEMATICS
ALGEBRA I,
GEOMETRY,
ALGEBRA II

3 SOCIAL STUDIES

3 SCIENCE

2 FOREIGN LANGUAGE

1 PHYSICAL EDUCATION

1 FINE ARTS

5 ELECTIVES
4 IN ENDORSEMENT
AREA

22 CREDITS



ENDORSEMENT

4 ADDITIONAL CREDITS IN ONE AREA
ACCORDING TO ENDORSEMENT/DISTINGUISHED
REQUIREMENTS

S.T.E.M.

- MATHEMATICS
- SCIENCE
- COMPUTER SCIENCE
- PRE-ENGINEERING
- BIOMEDICAL SCIENCE

BUSINESS & INDUSTRY

- POWER, STRUCTURE & TECHNICAL SYSTEMS
- PLANT SYSTEMS
- ANIMAL SYSTEMS
- NATURAL RESOURCE SYSTEMS
- ENVIRONMENTAL TECHNOLOGY
- INTERIOR DESIGN
- ARCHITECTURAL DESIGN
- CONSTRUCTION TECHNOLOGY
- GRAPHIC DESIGN
- AUDIO & VIDEO TECHNOLOGY
- COMMERCIAL PHOTOGRAPHY
- FASHION DESIGN
- BUSINESS INFORMATION MANAGEMENT
- FINANCE
- MARKETING
- JOURNALISM
- SPEECH & DEBATE
- CULINARY ARTS
- COMPUTER SOFTWARE DESIGN & PROGRAMMING
- COMPUTER TECHNICIAN & NETWORK ADMINISTRATOR
- WEB & DIGITAL COMMUNICATION

ARTS AND HUMANITIES

- FINE ARTS
- LANGUAGES OTHER THAN ENGLISH
- SOCIAL STUDIES

PUBLIC SERVICES

- COUNSELING AND MENTAL HEALTH
- EDUCATION & TRAINING
- HEALTH SCIENCE PHARMACY TECHNICIAN
- HEALTH SCIENCE PATIENT CARE TECHNICIAN
- CHILD DEVELOPMENT
- COSMETOLOGY
- LAW ENFORCEMENT
- FIREFIGHTER
- JROTC
- GOVERNMENT & PUBLIC ADMINISTRATION

MULTIDISCIPLINARY

4 CREDITS = 26

DISTINGUISHED LEVEL OF ACHIEVEMENT

ONE
ENDORSEMENT

FOUR CREDITS IN
SCIENCE
(FOUNDATION
REQUIREMENTS +
ONE SCIENCE)

FOUR CREDITS IN
MATH

INCLUDING
ALGEBRA II
(FOUNDATION
REQUIREMENTS +
ONE MATH)

ELIGIBLE FOR
AUTOMATIC
ADMISSION TO TEXAS
PUBLIC UNIVERSITIES
IF RANKED IN THE TOP
10% OF THEIR CLASS
(EXCEPT UT – AUSTIN)

CISD PATH TO COLLEGE READINESS: THE HIGH SCHOOL YEARS

Freshman Year

___ Take challenging classes in English, mathematics, science, history, and a foreign language. Take as many PAP/AP courses as you are able to handle.

___ Instead of cramming your schedule with multiple extracurricular activities, concentrate on one or two.

___ Read the newspaper, books, or other written material to help build your vocabulary as well as continue to build your academic vocabulary through your school work.

___ Take the PSAT test in October and do your best. The test will give you a good idea where your skills are compared to the rest of the nation.

___ Once your PSAT scores return, utilize Khan Academy and Naviance to investigate colleges, take a personality test to see what majors/careers fit you, and get a personalized SAT study plan.

___ Invest in SAT flashcards and use them! Or make your own at www.quizlet.com.

___ Make the most of your summer break: take advantage of summer programs at colleges, volunteer in the local community.

Sophomore Year

___ Colleges place heavy emphasis on your sophomore and junior year grades—so make sure your GPA is above average.

___ Colleges, however, are placing even a greater emphasis on the type of courses you take. Colleges use language like “quality of coursework,” or “rigorous curricula.”

___ Take the PSAT test in October and do your best. Remember to answer yes to the question about sending your scores to Khan Academy because they will develop an online study plan to better prepare for the SAT/ACT.

___ Some colleges require SAT Subject Tests. These one-hour exams are best taken immediately after completing the related course in school.

___ Continue to build your case: volunteer, be involved in extracurricular activities, etc.

___ Investigate colleges that you might like to attend, visit the campus.

___ Consider participating in the CISD Summer SAT/PSAT prep camp.

Junior Year

___ Rigor, Rigor, Rigor! Take as many advanced courses as possible, including Dual Credit. Consider taking an extra AP math course (AP Stats and Pre-Cal.) or take two AP level science courses (AP Biology/AP Physics).

___ You will take the PSAT in October for the third time. This time it is vitally important because the right combination of grades, recommendations, and a top PSAT score can win you a National Merit Scholarship.

___ Take a free practice SAT/ACT exam online in the fall and a real SAT/ACT in either late fall or the spring through Khan Academy.

___ Crowley ISD offers a fall and a spring boot camp to help students do better on the SAT/ACT. Attend!

___ Start your search for scholarships and grants.

___ Investigate colleges and their requirements (SAT/ACT), and create a list of schools (reach, attainable, safety).

___ In the summer, take the CISD SAT prep course, visit college campuses, talk with college admissions counselors, write your college admissions essays, continue to volunteer.

Senior Year

___ Stay focused! Do not get “senioritis.” Take AP & Dual Credit courses.

___ Retake your SAT/ACT in the fall to maximize your score. If you are happy with your initial score, look carefully at the college of your choice to see if they take your best score, your last score, or your super score (combination of best score in each of the three subsections over multiple tests).

___ Apply to colleges and universities. Prepare your application carefully. Follow the instructions and **PAY CLOSE ATTENTION TO DEADLINES!**

___ Ask your counselor and teachers at least two weeks before your application deadlines to submit the necessary documents to colleges (your transcript, letters of recommendation, etc.)

___ Search for scholarships and complete the applications. Complete and submit FAFSA—you can submit beginning on January 1, but make sure that you have it submitted by February 1—remember the rule, first come first served.

___ Evaluate admissions offers by reviewing financial aid offers, check deadlines for sending in acceptance & deposit, apply for housing.

___ Make the most of your summer break: find a part-time job, forward final high school transcripts to selected college, plan the details of college life (orientation, make a budget, select courses, etc).

ENGLISH/LANGUAGE ARTS

ENGLISH I

Prerequisite : None

Recommended Grade Placement 9

Course # 01090100

1 CREDIT

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.

ENGLISH I PRE-AP

Prerequisite : None

Recommended Grade Placement 9

Course # 01090175

1 CREDIT

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. *Pre-AP and AP courses receive weighted credit for GPA.*

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES I (ESOL I)

Prerequisite : Qualify through testing and immigrant status

Recommended Grade Placement 9

Course # 01220100

1 CREDIT

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.**

ENGLISH II

Prerequisite : English I

Recommended Grade Placement 10

Course # 01100200

1 CREDIT

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.

ENGLISH II PRE-AP

Prerequisite : English I

Recommended Grade Placement 10

Course # 01100250

1 CREDIT

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. *Pre-AP and AP courses receive weighted credit for GPA.*

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL) II

Prerequisite : Qualify through testing and immigrant status

Recommended Grade Placement 10

Course # 01220200

1 CREDIT

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. 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.**

ENGLISH III

Course # 01110300

Prerequisite : English II**Recommended Grade Placement 11****1 CREDIT**

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.

ENGLISH LANGUAGE & COMPOSITION – AP

Course # 01110350

Prerequisite : English II (Pre AP English II highly recommended)**Recommended Grade Placement 11****1 CREDIT**

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 in CISD. 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. 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.** *Pre-AP and AP courses receive weighted credit for GPA.*

ENGLISH IV

Course # 01120400

Prerequisite : English III**Recommended Grade Placement 12****1 CREDIT**

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.

ENGLISH LITERATURE & COMPOSITION – AP

Course # 01120450

Prerequisite : English III (AP English III highly recommended)**Recommended Grade Placement 12****1 CREDIT**

Advanced Placement is a program of sophomore college-level work. The AP English Literature and Composition Exam is administered in May 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. 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.** *Pre-AP and AP courses receive weighted credit for GPA.*

JOURNALISM

Course # 01220600

Prerequisite : None**Recommended Grade Placement 9-12****1 CREDIT**

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.

PHOTOJOURNALISM

Course # 01220650

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

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.

ADVANCED BROADCAST JOURNALISM I - III

Course # 01220640, 01220645, 01220646

Prerequisite : Journalism

Recommended Grade Placement 10 - 12

1 CREDIT

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 may produce the daily announcement news show and many other video and audio productions.

ADVANCED JOURNALISM - NEWSPAPER I - III

Course # 01220671, 01220672, 01220673

Prerequisite : Journalism

Recommended Grade Placement 10 – 12

1 CREDIT

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.

ADVANCED JOURNALISM - YEARBOOK I - III

Course # 01220671, 01220672, 01220673

Prerequisite : Journalism

Recommended Grade Placement 10 - 12

1 CREDIT

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.**

BIBLE AS LITERATURE

Course # 01220720

Prerequisite : None

Recommended Grade Placement 10 - 12

½ CREDIT

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.

CREATIVE WRITING

Course # 01220700

Prerequisite : English II

Recommended Grade Placement 11 - 12

½ CREDIT

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. *This course receives weighted credit for GPA calculation.*

LITERARY GENRES – MULTICULTURAL LITERATURE

Course # 01220725

Prerequisite : English II

Recommended Grade Placement 11 - 12

½ CREDIT

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. *This course receives weighted credit for GPA calculation.*

LITERARY GENRES – SCIENCE FICTION AND FANTASY

Course # 01220710

Prerequisite : English II

Recommended Grade Placement 11 - 12

½ CREDIT

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. *This course receives weighted credit for GPA calculation.*

LITERARY GENRES – WOMEN’S STUDIES

Course # 01220735

Prerequisite : English II

Recommended Grade Placement 11 – 12

½ CREDIT

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. *This course receives weighted credit for GPA calculation.*

HUMANITIES I – THE 1960s

Course # 01220800

Prerequisite : None

Recommended Grade Placement 10-12

½ CREDIT

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. *This course receives weighted credit for GPA calculation.*

HUMANITIES II – ANALYSIS OF VISUAL MEDIA OF THE 1960s

Course # 01220850

Prerequisite : Humanities I

Recommended Grade Placement 11-12

½ CREDIT

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. *This course receives weighted credit for GPA calculation.*

COMPETITIVE SPEECH

Course # 01220591

Prerequisite : None

Recommended Grade Placement 10 - 12

1 CREDIT

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.

DEBATE I

Course # 01220571

Prerequisite : None

Recommended Grade Placement 9 - 12

1 CREDIT

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

Course # 01220572

Prerequisite : None

Recommended Grade Placement 10 - 12

1 CREDIT

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 continue to use 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 builds on the fundamentals and continue to develop debate skills. Scholarships may be earned by UIL and TFA competitions.

DEBATE III

Course # 01220573

Prerequisite : None

Recommended Grade Placement 11 - 12

1 CREDIT

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 continue to use 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 III builds on the fundamentals and continue to develop debate skills. Scholarships may be earned by UIL and TFA competitions. *This course receives weighted credit for GPA calculation.*

PUBLIC SPEAKING I

Course # 01220551

Prerequisite : None

Recommended Grade Placement 10 - 12

1 CREDIT

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.

PUBLIC SPEAKING II

Course # 01220552

Prerequisite : None

Recommended Grade Placement 11 - 12

1 CREDIT

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.

PUBLIC SPEAKING III

Course # 01220553

Prerequisite : None

Recommended Grade Placement 12

1 CREDIT

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.

COLLEGE PREP FOR ENGLISH

Course # 11229315

Prerequisite : Administrator Recommendation

Recommended Grade Placement 12

1 CREDIT

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

COLLEGE READINESS AND STUDY SKILLS

Course # 01220750

Prerequisite : None

Recommended Grade Placement 9 - 10

1/2 CREDIT

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).

PRACTICAL WRITING SKILLS

Prerequisite : None

Recommended Grade Placement 10

Course # 01220775

½ CREDIT

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).

MATHEMATICS

ALGEBRA I

Prerequisite : None

Recommended Grade Placement 9

Course # 02090100

1 CREDIT

Algebra I introduces basic algebraic skills in a logical order, including relations, functions, graphing, system of equations, radicals, factoring polynomials, rational equations, and quadratic functions. It emphasizes practical methods of solving first and second-degree equations and inequalities. Each section involves word problems and real-life applications using basic algebraic skills. Algebra I is the standard course for students who are on grade level. It provides a foundation for higher level mathematics courses.

ALGEBRA I PRE-AP

Prerequisite : None

Recommended Grade Placement 9

Course # 02220175

1 CREDIT

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. *Pre-AP and AP courses receive weighted credit for GPA.*

ALGEBRA LAB (1 LOCAL CREDIT)

Prerequisite : None

Recommended Grade Placement 9

Course # 11090125

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.*

FINANCIAL MATHEMATICS

Prerequisite : Algebra I

Recommended Grade Placement 10-12

Course # 07222460

1 CREDIT

This course provides content aligned with challenging academic standards and relevant technical knowledge and skills for students to further their education and succeed in current or emerging professions. The finance career cluster focuses on planning, services for financial and investment planning, banking, insurance, and business financial management. This course is about personal money management. Students apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. Students will investigate career and postsecondary education planning into financial decision making. The main topics covered in the course are; professional standards/employability skills as required by business and industry, an understanding of employment earnings, federal taxes, understanding of various financial institutions and accounts, types of credit, the cost of housing by comparing home purchases and renting, the difference between a vehicle purchase and a vehicle lease and costs associated with each, investment options, types of insurance, pension, wills and trusts, charitable giving budgeting, identity theft, and postsecondary planning.

GEOMETRY

Prerequisite : Algebra I

Recommended Grade Placement 10

Course # 02100200

1 CREDIT

This course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. It includes the study of lines, polygons, right triangles and transformations. Inductive and deductive critical thinking skills are used in problem solving situations. Geometry also emphasizes writing proofs to solve (prove) properties of geometric figures as well as real world applications.

GEOMETRY PRE-AP

Course # 02090275

Prerequisite : Algebra I**Recommended Grade Placement 9 – 10****1 CREDIT**

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. *Pre-AP and AP courses receive weighted credit for GPA.*

MATHEMATICAL MODELS WITH APPLICATION

Course # 02110375

Prerequisite : Algebra I**Recommended Grade Placement 10 - 11****1 CREDIT**

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.

ALGEBRA II

Course # 02110300

Prerequisite : Algebra I and Geometry**Recommended Grade Placement 11****1 CREDIT**

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.

ALGEBRA II PRE-AP

Course # 02100350

Prerequisite : Algebra I and Geometry**Recommended Grade Placement 9 – 11****1 CREDIT**

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. *Pre-AP and AP courses receive weighted credit for GPA.*

ALGEBRAIC REASONING

Course # 02100280

Prerequisite : Algebra I**Recommended Grade Levels: 10-12****1 CREDIT**

In Algebraic Reasoning, students will continue to build the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets.

PRE-CALCULUS

Course # 02120400

Prerequisite: Geometry and Algebra II**Recommended Grade Placement 12****1 CREDIT**

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. *This course receives weighted credit for GPA calculation.*

PRE-CALCULUS – PRE AP

Course # 02110450

Prerequisite: Geometry and Algebra II Pre AP or recommendation from the student's Algebra II teacher**Recommended Grade Placement 10 – 12****1 CREDIT**

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. *Pre-AP and AP courses receive weighted credit for GPA.*

ADVANCED QUANTITATIVE REASONING (AQR)

Course # 02120575

Prerequisite : Algebra II None

Recommended Grade Placement 12

1 CREDIT

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.

STATISTICS – ADVANCED PLACEMENT

Course # 02120800

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

Recommended Grade Placement 11 – 12

1 CREDIT

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: 1) 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.** *Pre-AP and AP courses receive weighted credit for GPA.*

CALCULUS – INDEPENDENT STUDY IN MATHEMATICS

Course # 02120600

Prerequisite : Pre-calculus

Recommended Grade Placement 12

1 CREDIT

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.

CALCULUS - ADVANCED PLACEMENT AB

Course # 02120625

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

Recommended Grade Placement 12

1 CREDIT

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.** *Pre-AP and AP courses receive weighted credit for GPA.*

CALCULUS – ADVANCED PLACEMENT BC

Course # 02120650

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

Recommended Grade Placement 12

1 CREDIT

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.** *Pre-AP and AP courses receive weighted credit for GPA.*

DISCRETE MATHEMATICS FOR COMPUTER SCIENCE

Course # 07121990

Prerequisite : Alg I & Geometry

Recommended Grade Placement 11-12

1 CREDIT

Discrete Math provides the tools used in most areas of computer science. Mathematical topics are interwoven with computer science applications to enhance students' understanding of the introduced mathematics. Students will develop the ability to see computational problems from a mathematical perspective. Introduced to a formal system upon which mathematical reasoning is based, students will acquire the necessary knowledge to read and construct mathematical arguments (proofs), understand mathematical statements (theorems), and use mathematical problem-solving tools and strategies. Students will be introduced to discrete data structures such as sets, discrete functions, and relations and graphs and trees. Students will also be introduced to discrete probability and expectations.

STATISTICS & RISK MANAGEMENT (approved for math credit from State Board of Education)

Course # 07222490

Prerequisite : Accounting I and Algebra II

Recommended Grade Placement 11-12

1 CREDIT

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.

MATHEMATICAL APPLICATIONS IN AGRICULTURE, FOOD & NATURAL RESOURCES (approved for math credit)

Course # 07121980

Prerequisite : At least one prior Agriculture, Food, and Natural Resources course, and must be taken after or concurrently with Algebra II to use for fourth math credit.

Recommended Grade Placement 10 - 12

1 CREDIT

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.

COLLEGE PREP FOR MATH

Course # 11229310

Prerequisite : Administrator Recommendation None

Recommended Grade Placement 12

1 CREDIT

Fundamentals of Mathematics II: Topics include real numbers, basic geometry, polynomials, factoring, linear equations, inequalities, quadratic equations and rational expressions. Calculator use is *not* allowed in this course, including the departmental final examination.

UNIVERSITY OF TEXAS PRE-CALCULUS ONRAMPS PROGRAM

Course # 02220400

Prerequisite: Algebra II

Grade Level: 11-12

In Discovery Pre-Calculus-A Creative and Connected Approach students deepen and extend their knowledge of functions, graphs, and equations from their high school algebra and geometry courses so that they can successfully work with the concepts in a rigorous university-level calculus course. This course is designed to push students well beyond "drill and kill" exercise, emphasizing conceptual understanding of mathematical definitions and developing logical arguments with their peers. During the fall semester students will take 4 qualifying exams and if s/he meets the University of Texas's guidelines, currently an average of 75 on the four exams, then the student will be able to earn college credit (M 305G or TCCN M2312) during the second semester. Students who do not meet the eligibility requirements for dual enrollment can remain enrolled in the same OnRamps course during the spring semester for the opportunity to earn high school credit only. Even though the student will not have the opportunity to earn college credit, s/he will have the advantage of a high-quality, university-level learning experience while still in high school. *Pre-AP and AP courses receive weighted credit for GPA.*

SCIENCE

BIOLOGY

Course # 03090100

Prerequisite : None

Recommended Grade Placement 9

1 CREDIT

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

BIOLOGY PRE-AP

Course # 03120500

Prerequisite : None**Recommended Grade Placement 9****1 CREDIT**

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. *Pre-AP and AP courses receive weighted credit for GPA.*

INTEGRATED PHYSICS/CHEMISTRY (IPC)

Course # 03100300

Prerequisite : None**Recommended Grade Placement 10****1 CREDIT**

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.

CHEMISTRY

Course # 03100200

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**Recommended Grade Placement 10 - 11****1 CREDIT**

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, balancing 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.

CHEMISTRY PRE-AP

Course # 03100250

Prerequisite : Biology and Algebra I; Pre-AP Biology is strongly recommended**Recommended Grade Placement 9 - 10****1 CREDIT**

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. *Pre-AP and AP courses receive weighted credit for GPA.*

PHYSICS

Course # 03110400

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.**Recommended Grade Placement 10 - 12****1 CREDIT**

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.

ENVIRONMENTAL SYSTEMS

Course # 03220800

Prerequisite : Biology, Chemistry It is strongly recommended that the student has completed or has plans to complete physics.**Recommended Grade Placement 11 - 12****1 CREDIT**

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.

EARTH AND SPACE SCIENCE (ESS)

Course # 03220920

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

Recommended Grade Placement 11 - 12**1 CREDIT**

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.

ANATOMY AND PHYSIOLOGY

Course # 03120900

Prerequisite: Biology and Chemistry (successful completion of both)**Recommended Grade Placement 11 - 12****1 CREDIT**

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.

AQUATIC SCIENCE

Course # 03220810

Prerequisite: Biology and Chemistry, may be concurrently enrolled in Chemistry**Recommended Grade Placement 10-12****1 CREDIT**

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.

ASTRONOMY

Course # 03220910

Recommended Prerequisite : Biology, Physics**Recommended Grade Placement 11 - 12****1 CREDIT**

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.

BIOLOGY – ADVANCED PLACEMENT

Course # 03120500

Prerequisite : Biology, Chemistry (successful completion of both Pre-AP courses recommended along with good reading and organizational skills) – Will satisfy 4th Science requirement**Recommended Grade Placement 10 - 12****1 CREDIT**

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.** *Pre-AP and AP courses receive weighted credit for GPA.*

CHEMISTRY – ADVANCED PLACEMENT

Course # 03120600

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****Recommended Grade Placement 11 - 12****1 CREDIT**

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.** *Pre-AP and AP courses receive weighted credit for GPA.*

ENVIRONMENTAL SCIENCE – ADVANCED PLACEMENT

Course # 03220875

Recommended Prerequisite : Pre-AP Biology, Pre-AP Chemistry It is strongly recommended that the student has completed or has plans to complete Physics.

Recommended Grade Placement 11 - 12

1 CREDIT

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.** *Pre-AP and AP courses receive weighted credit for GPA.*

PHYSICS – ADVANCED PLACEMENT 1

Course # 03120700

Prerequisite : Pre-AP Biology, Pre-AP Chemistry, completion or concurrent enrollment in Pre-AP Algebra II

Recommended Grade Placement 11 - 12

1 CREDIT

This course follows the outline provided by the College Board for AP Physics 1. This is a college level course with college level labs. Students enrolling in Physics **should have completed Algebra II or be concurrently enrolled in Algebra II.** This is an introductory course. 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. **This course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. 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.** *Pre-AP and AP courses receive weighted credit for GPA.*

PHYSICS – ADVANCED PLACEMENT 2

Course # 03120705

Prerequisite: Algebra II and AP Physics I

Recommended Grade Placement 11 - 12

1 CREDIT

This course follows the outline provided by the College Board for AP Physics Course 2. 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. 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. **This course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. 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.** *Pre-AP and AP courses receive weighted credit for GPA.*

PHYSICS– ADVANCED PLACEMENT C

Course # 03120710

Prerequisite : AP Physics 1 Concurrent Enrollment in AP Calculus is strongly recommended – Will satisfy 4th Science requirement

Recommended Grade Placement 12

1 CREDIT

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 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.** *Pre-AP and AP courses receive weighted credit for GPA.*

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

Course # 07221225

Prerequisite : At least one prior Agriculture, Food and Natural Resources course
Recommended Grade Placement 12

1 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.

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

Course # 07221680

Prerequisite : At least one prior Agriculture, Food, and Natural Resources course
Recommended Grade Placement 12

1 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.

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

Course # 07225890

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

1 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.

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

Course # 07229300

Prerequisite : Principles of Law, Public Safety, Corrections, and Security and Law Enforcement I
Recommended Grade Placement 11 - 12

1 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

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

Course # 07226410

Prerequisite : Biology and Chemistry, Chemistry may be concurrent – For 4th science credit take with Pathophysiology Recommended
Grade Placement 11 - 12

1/2 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.

PATHOPHYSIOLOGY (approved by the State Board of Education for 4th science credit)

Course # 07226400

Prerequisite : Biology, Chemistry, Anatomy and Physiology - For 4th science credit take with Medical Microbiology
Recommended Grade Placement 11 - 12

1/2 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 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.

PLANET EARTH (pending School Board Approval)

Course # 03220930

Prerequisite : None

Recommended Grade Placement 9 - 12

1/2 CREDIT

Students will investigate the complex, dynamic relationship between the planet and its life, primarily through a project-based format with an emphasis on field investigations.

INTRODUCTION TO RENEWABLE ENERGY (pending School Board Approval)

Course # 03220935

Prerequisite : None

Recommended Grade Placement 9 - 12

1 CREDIT

This course provides the foundation for a deeper understanding of the problems, issues, perspectives, and developments in the areas of biofuels, solar, and wind energy. A significant focus of the course will be on critical & creative thinking, and communication of ideas relating to renewable energy.

SOCIAL STUDIES

WORLD HISTORY

Course # 04100200

Prerequisite : None

Recommended Grade Placement 9

1 CREDIT

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.

WORLD HISTORY PRE-AP

Course # 04100250

Prerequisite : None

Recommended Grade Placement 9

1 CREDIT

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. *Pre-AP and AP courses receive weighted credit for GPA.*

WORLD HISTORY – ADVANCED PLACEMENT

Course # 04100275

Prerequisite : Pre-AP 8th grade social studies or AP Human Geography highly recommended.

Recommended Grade Placement 9

1 CREDIT

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.** *Pre-AP and AP courses receive weighted credit for GPA.*

HUMAN GEOGRAPHY – ADVANCED PLACEMENT

Course # 04220175

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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.** *Pre-AP and AP courses receive weighted credit for GPA.*

U.S. GOVERNMENT

Course # 04120400

Prerequisite : World History

Recommended Grade Placement 10

1/2 CREDIT

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.

U.S. GOVERNMENT - ADVANCED PLACEMENT

Course # 04120450

Prerequisite : World History

Recommended Grade Placement 10

1/2 CREDIT

This course is designed for sophomores 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.** *Pre-AP and AP courses receive weighted credit for GPA.*

ECONOMICS/FREE ENTERPRISE

Course # 04120425

Prerequisite : World History

Recommended Grade Placement 10

1/2 CREDIT

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.

ECONOMICS – ADVANCED PLACEMENT MACROECONOMICS

Course # 04120475

Prerequisite : None

Recommended Grade Placement 10

1/2 CREDIT

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.** *Pre-AP and AP courses receive weighted credit for GPA.*

U.S. HISTORY SINCE RECONSTRUCTION

Course # 04110300

Prerequisite : None

Recommended Grade Placement 11

1 CREDIT

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.

U.S. HISTORY – ADVANCED PLACEMENT

Course # 04110350

Prerequisite : Pre-AP or AP World History strongly recommended

Recommended Grade Placement 11**1 CREDIT**

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.** *Pre-AP and AP courses receive weighted credit for GPA.*

PSYCHOLOGY

Course # 04220600

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

Psychology introduces students to the scientific study of behavior and mental processes. The course teaches students about approaches to psychology, the life span, the workings of mind and body, personality, individuality, and social psychology. **Counts as elective only**

PSYCHOLOGY - ADVANCED PLACEMENT

Course # 04220650

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

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 should also be enrolled in Advanced Studies – Psychology for the spring semester as a continuation of the AP 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. Counts as elective only.** *Pre-AP and AP courses receive weighted credit for GPA.*

ADVANCED STUDIES - PSYCHOLOGY

Course # 04220960

Prerequisite : Advanced Placement Psychology**Recommended Grade Placement 12****1/2 CREDIT**

This course is a continuation of the AP Psychology course offered in the fall semester. It is meant to help complete the study of concepts began in AP Psychology and help review and prepare students for the AP exam. **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. Counts as elective credit only.** *Pre-AP and AP courses receive weighted credit for GPA.*

SOCIOLOGY

Course # 04220675

Prerequisite: Completion in or concurrent enrollment in U.S. History**Recommended Grade Placement 11 - 12****1/2 CREDIT**

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. **Counts as elective only**

EUROPEAN HISTORY - ADVANCED PLACEMENT

Course # 04120500

Prerequisite : Pre-AP World History or AP U.S. History strongly recommended**Recommended Grade Placement 12****1 CREDIT**

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. Counts as social studies elective for graduation plans.** *Pre-AP and AP courses receive weighted credit for GPA.*

COMPARATIVE GOVERNMENT - ADVANCED PLACEMENT

Course # 04220452

Prerequisite : None

Recommended Grade Placement 10-12

1/2 CREDIT

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.** *Pre-AP and AP courses receive weighted credit for GPA.*

SPECIAL TOPICS IN SOCIAL STUDIES - CONTEMPORARY WORLD ISSUES

Course # 04220800

Prerequisite : None

Recommended Grade Placement 10-12

1/2 CREDIT

This course will facilitate the study of historical, geological, political, and economic context on emerging 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. **Counts as elective only**

ADVANCED STUDIES – MODEL UNITED NATIONS

Course # 04220900

Prerequisite : None

Recommended Grade Placement 10-12

1/2 CREDIT

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. **Counts as elective only**

GLOBAL CULTURAL STUDIES

Course # 04220700

Prerequisite : Sociology

Recommended Grade Placement 10-12

1/2 CREDIT

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. **Counts as elective only**

HISTORY THROUGH FILM (pending School Board approval)

Course # 10229700

Prerequisite : None

Recommended Grade Placement 11-12

1/2 LOCAL CREDIT

This course will examine Hollywood feature films and historical dramas for their historical evidence and accuracy. Students will view movies on various topics throughout US History and will participate in Inner and Outer Circle and Socratic Seminar type discussions to evaluate the historical accuracy and evidence presented. Students will analyze the film evidence to the information found in more traditional sources and compare the different sources.

PERSONAL FINANCIAL LITERACY

Course # 04220430

Prerequisite – None

Recommended Grade Placement 10-12

1/2 CREDIT

This course will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. Students will be taught to apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and postsecondary education and training. This course includes instruction in methods of paying for college and other postsecondary education and training along with completing the application for federal student aid provided by the U.S. Department of Education.

LANGUAGES OTHER THAN ENGLISH

AMERICAN SIGN LANGUAGE I

Prerequisite : None

Recommended Grade Placement 10

Course # 05221100

1 CREDIT

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.

AMERICAN SIGN LANGUAGE II

Prerequisite : ASL I

Recommended Grade Placement 11

Course # 05221200

1 CREDIT

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

AMERICAN SIGN LANGUAGE III

Prerequisite : ASL II

Recommended Grade Placement 12

Course # 05221300

1 CREDIT

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.

FRENCH I

Prerequisite : None

Recommended Grade Placement 9

Course # 05222100

1 CREDIT

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.

FRENCH II

Prerequisite : French I

Recommended Grade Placement 10

Course # 05222200

1 CREDIT

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.

FRENCH II – PRE-ADVANCED PLACEMENT

Prerequisite : French I

Recommended Grade Placement 10

Course # 05222250

1 CREDIT

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. *Pre-AP and AP courses receive weighted credit for GPA.*

FRENCH III – PRE-ADVANCED PLACEMENT

Prerequisite : French II

Recommended Grade Placement 11

Course # 05222300

1 CREDIT

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. *Pre-AP and AP courses receive weighted credit for GPA.*

FRENCH IV – ADVANCED PLACEMENT

Prerequisite : French III Pre- AP

Course # 05222400

Recommended Grade Placement 12**1 CREDIT**

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 class at the advanced level. **Students enrolling in Advanced Academics Courses will be required to take the Advanced Placement or Mock AP exams for each course in order to receive credit.** *Pre-AP and AP courses receive weighted credit for GPA.*

GERMAN I

Course # 05223100

Prerequisite : None**Recommended Grade Placement 9****1 CREDIT**

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.

GERMAN II

Course # 05223200

Prerequisite : German I**Recommended Grade Placement 10****1 CREDIT**

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.

GERMAN II – PRE-ADVANCED PLACEMENT

Course # 05223250

Prerequisite : recommended an 85 or higher in German I**Recommended Grade Placement 10****1 CREDIT**

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. *Pre-AP and AP courses receive weighted credit for GPA.*

GERMAN III – PRE-ADVANCED PLACEMENT

Course # 05223300

Prerequisite : German II**Recommended Grade Placement 11****1 CREDIT**

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. *Pre-AP and AP courses receive weighted credit for GPA.*

GERMAN IV – ADVANCED PLACEMENT

Course # 05223400

Prerequisite : German III Pre-AP**Recommended Grade Placement 12****1 CREDIT**

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.** *Pre-AP and AP courses receive weighted credit for GPA.*

SPANISH I

Course # 05224100

Prerequisite : None**Recommended Grade Placement 9****1 CREDIT**

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.

SPANISH II

Course # 05224200

Prerequisite : Spanish I**Recommended Grade Placement 9 - 10****1 CREDIT**

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.

SPANISH II – PRE-ADVANCED PLACEMENT

Course # 05224250

Prerequisite : Spanish I

Recommended Grade Placement 9 - 10

1 CREDIT

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. *Pre-AP and AP courses receive weighted credit for GPA.*

SPANISH III – PRE-ADVANCED PLACEMENT

Course # 05224300

Prerequisite : Spanish II

Recommended Grade Placement 10 - 11

1 CREDIT

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. *Pre-AP and AP courses receive weighted credit for GPA.*

SPANISH IV – ADVANCED PLACEMENT

Course # 05224400

Prerequisite : Spanish III Pre-AP

Recommended Grade Placement 11 - 12

1 CREDIT

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.** *Pre-AP and AP courses receive weighted credit for GPA.*

SPANISH V – ADVANCED PLACEMENT

Course # 05224500

Prerequisite : Spanish IV

Recommended Grade Placement 12

1 CREDIT

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.** *Pre-AP and AP courses receive weighted credit for GPA.*

SPANISH FOR NATIVE SPANISH SPEAKERS

Course # 05094100; 05094200

Prerequisite : Native Spanish speaker

Recommended Grade Placement 9

2 CREDITS

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. Students receive credit for both Spanish I and Spanish II.

FINE ARTS

ART I

Course # 06221100

Prerequisite : None

Recommended Grade Placement 9 – 12

1 CREDIT

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. *Please see district approved fee list for course fees.*

ART II

Prerequisite : Art 1

Recommended Grade Placement 10 - 12

Course # 06221200

1 CREDIT

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.

ART CERAMICS II

Prerequisite : Art 1

Recommended Grade Placement 10 - 12

Course # 06221210

1 CREDIT

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.

ART III

Prerequisite : Art II

Recommended Grade Placement 11 - 12

Course # 06221300

1 CREDIT

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.

ART IV

Prerequisite : Art II

Recommended Grade Placement 12

Course # 06221400

1 CREDIT

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. *This course receives weighted credit for GPA calculation.*

STUDIO ART – ADVANCED PLACEMENT

Prerequisite : Art II

Recommended Grade Placement 11- 12

Course # 06221500

1 CREDIT

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-dimensional 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.** *This course receives weighted credit for GPA calculation.*

BAND I

Prerequisite : 8th grade band experience

Recommended Grade Placement 9

Course # 06222100; 06222105

1 CREDIT

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.*

BAND II

Course # 06222200; 06222205

Prerequisite : Band I

Recommended Grade Placement 10

1 CREDIT

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.*

BAND III

Course # 06222300

Prerequisite : Band II

Recommended Grade Placement 11

1 CREDIT

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.

BAND IV

Course # 06222400

Prerequisite : Band III

Recommended Grade Placement 12

1 CREDIT

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. *This course receives weighted credit for GPA calculation.*

JAZZ STUDIES I

Course # 06222150

Prerequisite: Class will be set by audition only.

Recommended Grade Placement 10 – 12

1 CREDIT

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.

JAZZ STUDIES II

Course # 06222250

Prerequisite: Class will be set by audition only.

Recommended Grade Placement 11 – 12

1 CREDIT

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.

JAZZ STUDIES III

Course # 06222350

Prerequisite: Class will be set by audition only.

Recommended Grade Placement 12

1 CREDIT

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.

COLOR GUARD/WINTER GUARD I

Course # 06222500; 06222505

Prerequisite : Tryouts, physical and medical history on file**Recommended Grade Placement 9****1 CREDIT**

Color Guard 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.*

COLOR GUARD/WINTER GUARD II

Course # 06222600; 06222605

Prerequisite : Tryouts, physical and medical history on file**Recommended Grade Placement 10****1 CREDIT**

Color Guard 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.*

COLOR GUARD/WINTER GUARD III

Course # 06222700

Prerequisite : Tryouts, physical and medical history on file**Recommended Grade Placement 11****1 CREDIT**

Color Guard 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.

COLOR GUARD/WINTER GUARD IV

Course # 06222800

Prerequisite : Tryouts, physical and medical history on file**Recommended Grade Placement 12****1 CREDIT**

Color Guard 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. *This course receives weighted credit for GPA calculation.*

CHOIR I

Course # 06223100

Prerequisite : Varsity Choir requires signed paperwork and an audition.**Recommended Grade Placement 9****1 CREDIT**

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.

CHOIR II

Course # 06223200

Prerequisite : Varsity Choir requires signed paperwork and an audition.**Recommended Grade Placement 10****1 CREDIT**

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.

CHOIR III

Course # 06223300

Prerequisite : Varsity Choir requires signed paperwork and an audition.**Recommended Grade Placement 11****1 CREDIT**

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.

CHOIR IV

Course # 06223400

Prerequisite : Varsity Choir requires signed paperwork and an audition.

Recommended Grade Placement 12

1 CREDIT

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. *This course receives weighted credit for GPA calculation.*

VOCAL ENSEMBLE I

Course # 06223150

Prerequisite : Varsity Choir requires signed paperwork and an audition.

Recommended Grade Placement 10

1 CREDIT

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.

VOCAL ENSEMBLE II

Course # 06223250

Prerequisite : Varsity Choir requires signed paperwork and an audition.

Recommended Grade Placement 11

1 CREDIT

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.

VOCAL ENSEMBLE III

Course # 06223350

Prerequisite : Varsity Choir requires signed paperwork and an audition.

Recommended Grade Placement 12

1 CREDIT

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.

MUSIC THEORY I

Course # 06222900

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

Recommended Grade Placement 11-12

1 CREDIT

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.

MUSIC THEORY (ADVANCED PLACEMENT)

Course # 06222950

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

Recommended Grade Placement 12

1 CREDIT

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.** *This course receives weighted credit for GPA calculation.*

DANCE I

Course # 06224100

Prerequisite : None

Recommended Grade Placement 9 - 12

1 CREDIT

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.**

DANCE II

Course # 06224200

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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.**

DANCE III

Course # 06224300

Prerequisite : None

Recommended Grade Placement 11-12

1 CREDIT

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.**

DANCE-IV

Course # 06224400

Prerequisite : None

Recommended Grade Placement 12

1 CREDIT

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. *This course receives weighted credit for GPA calculation.***

DRILL TEAM I

Course # 06226100; 06226105

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

Recommended Grade Placement 9 - 12

1 CREDIT

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.

DRILL TEAM II

Course # 06226200; 06226205

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

Recommended Grade Placement 10 - 12

1 CREDIT

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.

DRILL TEAM III

Course # 06226300

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

Recommended Grade Placement 11 - 12

1 CREDIT

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.**

DRILL TEAM IV

Course # 06226400

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

Recommended Grade Placement 12

1 CREDIT

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.**

THEATRE ARTS I

Course # 06225100

Prerequisite : None

Recommended Grade Placement 9-12

1 CREDIT

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.

THEATRE ARTS II

Course # 06225200

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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.

THEATRE ARTS III

Course # 06225300

Prerequisite : None

Recommended Grade Placement 11-12

1 CREDIT

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.

THEATRE ARTS IV

Course # 06225400

Prerequisite : None

Recommended Grade Placement 12

1 CREDIT

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. *This course receives weighted credit for GPA calculation.*

TECHNICAL THEATRE I

Course # 06225510

Prerequisite : None

Recommended Grade Placement 10 - 12

1 CREDIT

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.

TECHNICAL THEATRE II

Course # 06225520

Prerequisite : None

Recommended Grade Placement 11 - 12

1 CREDIT

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.

TECHNICAL THEATRE III

Course # 06225530

Prerequisite : None

Recommended Grade Placement 12

1 CREDIT

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.

THEATRE PRODUCTION I

Course # 06225610

Prerequisite : By audition by the director only

Recommended Grade Placement 9-12

1 CREDIT

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.

THEATRE PRODUCTION II

Course # 06225620

Prerequisite : By audition by the director only

Recommended Grade Placement 10 - 12

1 CREDIT

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.

THEATRE PRODUCTION III

Course # 06225630

Prerequisite : By audition by the director only

Recommended Grade Placement 9-12

1 CREDIT

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.

THEATRE PRODUCTION IV

Course # 06225640

Prerequisite : By audition by the director only

Recommended Grade Placement 12

1 CREDIT

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. *This course receives weighed credit for GPA calculation.*

CAREER AND TECHNICAL EDUCATION

See Appendix C for Endorsement Information and information on the courses that should be taken together

Freshman Survey Career and Technical Education Courses

FUTURES IN AGRICULTURE, FOOD & NATURAL RESOURCES

Course # 07091001

Prerequisite : None

Recommended Grade Placement 9

.5 CREDIT

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.

FUTURES IN ARTS & COMMUNICATION

Course # 07094001

Prerequisite : None

Recommended Grade Placement 9

.5 CREDIT

This course is designed to give students hands-on application in the Programs of Study of Interior Design, Fashion Design, Graphic Design, Animation, Commercial Photography, and Audio Video Production. It is an entry point to each of these CTE Programs of Study.

FUTURES IN BUSINESS & MARKETING

Course # 07092001

Prerequisite : None

Recommended Grade Placement 9

.5 CREDIT

This course is designed to give students hand-on application in the Programs of Study of Business Management, Finance, Marketing, Entrepreneurship, and Business and Information Management. It is an entry point to the Business, Marketing, and Finance Programs of Study

FUTURES IN BIOMEDICAL AND HEALTH SCIENCE

Course # 07096003

Prerequisite : None

Recommended Grade Placement 9

.5 CREDIT

This course is designed to give students hand-on application in the Programs of Study in Biomedical Science and Health Science. It is an entry point to these two pathways.

FUTURES OF LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

Course # 07099000

Prerequisite : None

Recommended Grade Placement 9

.5 CREDIT

This course is designed to give students hand-on application in the Programs of Study of Law Enforcement, and Fire Science It is an entry point to the Law Enforcement, and Firefighter Programs of Study.

FUTURES IN SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

Course # 07094101

Prerequisite : None

Recommended Grade Placement 9

.5 CREDIT

This course is designed to give students hand-on application in the Programs of Study of Pre-Engineering, Information Technology, Architecture, and Computer Programming. It is an entry point to the Engineering, Information Technology, Architecture, and Computer Programming Programs of Study.

FUTURES IN SOCIAL, PERSONAL & PUBLIC SERVICES

Course # 07095001

Prerequisite : None

Recommended Grade Placement 9

.5 CREDIT

This course is designed to give students hand-on application in the Programs of Study of Education & Training, Hospitality & Tourism, and Human Services. It is an entry point to the Education & Training, Culinary Arts, Cosmetology, and Human Services Programs of Study.

FUTURES OF TRANSPORTATION, DISTRIBUTION AND LOGISTICS

Course # 07090100

Prerequisite: None

Recommended Grade Placement 9

.5 CREDIT

Students gain knowledge and skills in the safe application, design, production and assessment of products, services and systems. This knowledge includes the history, laws and regulations, and common practices used in the logistics of warehousing and transportation systems. Students should apply knowledge and skills in the application, design and production of technology as it relates to the transportation, distribution and logistics industries. This course allows students to reinforce, apply and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems and settings.

Agriculture, Food and Natural Resources Pathway

ADVANCED ENVIRONMENTAL TECHNOLOGY

Course # 07228610

Prerequisite : Energy & Natural Resources Technology

Recommended Grade Placement 11-12

1 CREDIT

To be prepared for careers in environmental service systems, this course examines the interrelatedness of environmental issues and production agriculture. Students evaluate sustainable resources and green technologies which will provide environmental benefits. Instruction is designed to allow for the application of science and technology to measure environmental impacts resulting from production agriculture through field and laboratory experiences.

AGRICULTURAL MECHANICS & METAL TECHNOLOGIES

Course # 07221710

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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.

AGRICULTURAL POWER SYSTEMS

Course # 07221760

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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

AGRICULTURAL FACILITIES DESIGN & FABRICATION

Course # 07221770

Prerequisite : Agriculture Power Systems or Agricultural Mechanics & Metal Technologies or Construction Technology

Recommended Grade Placement 11-12

1 CREDIT

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.

ENERGY & NATURAL RESOURCES TECHNOLOGY

Course # 07221100

Prerequisite : None

Recommended Grade Placement 10-12

1/2 CREDIT

Instruction will be provided in the field of energy and natural resource systems. This course is designed to explore the interdependency of the public and natural resource systems related to energy production. In addition, renewable, sustainable, and environmentally friendly practices will be explored.

EQUINE SCIENCE

Course # 07221500

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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

HORTICULTURE SCIENCE

Course # 07221620

Prerequisite : None

Recommended Grade Placement 10-12

1/2 CREDIT

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.

LANDSCAPE DESIGN & TURF GRASS MANAGEMENT

Course # 07220620

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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.

LIVESTOCK PRODUCTION

Course # 07221530

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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.

PRACTICUM IN AGRICULTURE, FOOD & NATURAL RESOURCES

Course # 07221950

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

Recommended Grade Placement 11-12

2 CREDITS

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.

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

Course # 07091610

Prerequisite : None

Recommended Grade Placement 10-12

1 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. **Supply Fee: See district approved fee list**

PROFESSIONAL STANDARDS IN AGRIBUSINESS

Course # 07221860

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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.

RANGE ECOLOGY & MANAGEMENT

Course # 07221300

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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.

SMALL ANIMAL MANAGEMENT

Course # 07221520

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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.

VETERINARY MEDICAL APPLICATIONS

Course # 07221540

Prerequisite : Small Animal Management and Equine Science or Livestock Production

Recommended Grade Placement 11-12

1 CREDIT

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. **Supply Fee: See district approved fee list**

WILDLIFE FISHERIES & ECOLOGY MANAGEMENT

Course # 07221320

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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. **Supply Fee: See district approved fee list**

Arts & Communications Pathway

ADVANCED AUDIO/VIDEO PRODUCTION

Course # 07224480

Prerequisite : Audio Video Production

Recommended Grade Placement 11-12

2 CREDITS

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.

ADVANCED COMMERCIAL PHOTOGRAPHY

Course # 07224560

Prerequisite : Commercial Photography

Recommended Grade Placement 11-12

2 CREDITS

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.

ADVANCED FASHION DESIGN

Course # 07224370

Prerequisite : Fashion Design

Recommended Grade Placement 11-12

2 CREDITS

This project based technical laboratory course focuses on Fashion design and construction. Content addresses development of fashion, image analysis, textile art, advanced design techniques, pattern making, advanced clothing and construction, designing a professional portfolio, fashion show production and employment skills. **Supply fee: See approved district fee list**

ADVANCED GRAPHIC DESIGN

Course # 07224460

Prerequisite : Graphic Design & Illustration

Recommended Grade Placement 11-12

2 CREDITS

This advanced class will provide opportunities for students wanting to expand their skills and knowledge of the graphic arts field. Students will use the design process for presenting their designs ideas to clients, as well as, assist Practicum students with the print and design shop. Students will create logos, poster and magazine designs, and packaging designs. Students will explore aspects of careers in the growing field of the visual communications industry.

AUDIO/VIDEO PRODUCTION

Course # 07224380

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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.

COMMERCIAL PHOTOGRAPHY

Course # 07224360

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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.

FASHION DESIGN

Course # 07224270

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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. **Supply fee: See approved district fee list**

FASHION MARKETING

Course # 07227100

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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 marketing industry including fashion promotion, textiles, selling, visual merchandising and career opportunities. **Supply fee: See approved district fee list**

GRAPHIC DESIGN

Course # 07224260

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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

MOTION GRAPHICS (Animation)

Course # 07224350

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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. *This course was previously named Animation.*

PRACTICUM IN AUDIO/VIDEO PRODUCTION

Course # 07224880

Prerequisite : Advanced Audio Video Production

Recommended Grade Placement 12

2 CREDITS

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.

PRACTICUM IN FASHION DESIGN AND MERCHANDISING

Course # 07224870

Prerequisite : Advanced Fashion Design

Recommended Grade Placement 12

2 CREDITS

This practicum is a capstone experience for students participating in the fashion design program of study the emphasis is on the business aspects of fashion including 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. Instruction may be delivered in a lab based classroom experience or career preparation opportunities. Students must provide transportation to internship opportunities.

Supply fee: See approved district fee list

PRACTICUM OF GRAPHIC DESIGN

Course # 07224860

Prerequisite : Advanced Graphic Design

Recommended Grade Placement 12

2 CREDITS

Students will look in-depth at design colleges and scholarship opportunities all over the United States. Students will be responsible for running and operating the design and print shop that services CISD employees. While working for the design and print shop, students will handle a variety of real world projects including but not limited to: Crowley and North Crowley sports posters, flyers, brochures, business cards, postcards and much more.

ARCHITECTURE AND CONSTRUCTION PATHWAY

ARCHITECTURAL DESIGN

Course # 07224310

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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.

ADVANCED ARCHITECTURAL DESIGN

Course # 07224410

Prerequisite : Architectural Design

Recommended Grade Placement 11-12

2 CREDITS

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.

PRACTICUM IN ARCHITECTURAL DESIGN

Course # 07224810

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

Recommended Grade Placement 11-12

2 CREDITS

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.

CONSTRUCTION TECHNOLOGY

Course # 07228620

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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

ADVANCED CONSTRUCTION TECHNOLOGY

Course # 07228630

Prerequisite : Construction Technology

Recommended Grade Placement 11-12

2 CREDIT

In Advanced Construction Technology, students gain advanced knowledge and skills specific to those needed to enter the work force as carpenters, building maintenance technicians, or supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students build on the knowledge base from Construction Technology and are introduced to exterior and interior finish out skills.

PRACTICUM IN CONSTRUCTION MANAGEMENT

Course # 07225820

Prerequisite: Advanced Construction Technology

Recommended Grade Placement 12

2 CREDITS

Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom.

INTERIOR DESIGN

Course # 07225410

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

This course is an introduction to interior design which focuses on the design of residential and nonresidential interior environments. Skills students will

learn are: perspective drawing, principles & elements of design, housing history, the interior design industry, careers in interior design, and employment skills. Students will be developing technical knowledge and skills needed for success in an interior design career.

ADVANCED INTERIOR DESIGN

Prerequisite : Interior Design

Recommended Grade Placement 10-12

Course # 07224210

2 CREDITS

This is a technical course focused on Advanced Interior Design skills and project implementation. Students will be developing advanced technical knowledge and skills needed for success in an interior design career through: drafting, perspective drawings, Chief Architect, design boards, client types and client interviews, project implementation, time management, recycle/redesign, lighting design, furniture types and furniture design. Students will have real clients to do design work for and will complete several projects throughout the year.

PRACTICUM IN INTERIOR DESIGN

Prerequisite : Advanced Interior Design

Recommended Grade Placement 11-12

Course # 07225810

2 CREDITS

This course is a capstone experience for students participating in the Interior Design program. Students will complete an internship at a local Interior Design/Architectural firm. Students are required to serve in paid or unpaid internship opportunities. Students must provide transportation to internship opportunities.

Students will also focus on careers in interior design, business management, business marketing & promotion and elements/principles of design spanning all aspects of residential and commercial applications. Students will be developing advanced technical knowledge and skills needed for success in an interior design career. Students will be expected to use knowledge and skills related to residential and commercial design; interior and exterior environments; construction, tools, and equipment; and furnishings and finishes to make wise consumer decisions, increase productivity and compete in the industry.

BUSINESS, MARKETING, AND FINANCE PATHWAY

ACCOUNTING I

Prerequisite : None

Recommended Grade Placement 10-12

Course # 07222450

1 CREDIT

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.

ACCOUNTING II

Prerequisite : Accounting I

Recommended Grade Placement 11-12

Course # 07222452

1 CREDIT

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.

ADVERTISING & SALES PROMOTION

Prerequisite : None

Recommended Grade Placement 10-12

Course # 07227220

1/2 CREDIT

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.

BUSINESS INFORMATION MANAGEMENT I

Course # 07222225

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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.

BUSINESS INFORMATION MANAGEMENT II

Course # 07222325

Prerequisite : BIM I

Recommended Grade Placement 11-12

1 CREDIT

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. **Supply Fee: See District approved list**

BUSINESS LAW

Course # 07222425

Prerequisite : None

Recommended Grade Placement 11-12

1 CREDIT

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.

DOLLARS AND SENSE

Course # 07223230

Prerequisite : None

Recommended Grade Placement 10-12

1/2 CREDIT

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.

ENTREPRENEURSHIP

Course # 07227200

Prerequisite : None

Recommended Grade Placement 10-12

1/2 CREDIT

Students will gain the knowledge and skills to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan and securing the finances to own and operate a business.

MARKETING DYNAMICS

Course # 07227920

Prerequisite : Any course in Marketing Program of Study

Recommended Grade Placement 11-12

3 CREDITS

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.

MONEY MATTERS

Course # 07222420

Prerequisite : None

Recommended Grade Placement 10-12

1/2 CREDIT

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.

PRACTICUM IN MARKETING DYNAMICS

Course # 07227960

Prerequisite : Marketing Dynamics
Recommended Grade Placement 12

3 CREDITS

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.

RETAILING & E-TAILING

Course # 07227120

Prerequisite : None
Recommended Grade Placement 10-12

1/2 CREDIT

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.

SPORTS & ENTERTAINMENT MARKETING

Course # 07227130

Prerequisite : None
Recommended Grade Placement 10-12

1 CREDIT

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.

EDUCATION & TRAINING PATHWAY

HUMAN GROWTH& DEVELOPMENT

Course # 07105110

Prerequisite -Futures in Social, Personal, and Public Services
Recommended Grade Placement 10-12

1 CREDIT

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.

INSTRUCTIONAL PRACTICE IN EDUCATION & TRAINING (Ready Set Teach 1)

Course # 07225510

Prerequisite : Futures in Social, Personal, and Public Services and Human Growth & Development
Recommended Grade Placement 11-12

2 CREDITS

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.

PRACTICUM IN EDUCATION & TRAINING (Ready Set Teach 2)

Course # 07225910

Prerequisite : Instructional Practice in Education & Training
Recommended Grade Placement 12

2 CREDITS

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.
Dual Technical Credit through Tarrant County College

GOVERNMENT AND PUBLIC ADMINISTRATION PATHWAY

POLITICAL SCIENCE I

Course # 07229700

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

This course will familiarize the student with political theory through the study of governments; public policies; and political processes, systems, and behavior.

POLITICAL SCIENCE II

Course # 07229705

Prerequisite : Political Science I

Recommended Grade Placement 10-12

1 CREDIT

This course uses a variety of approaches to examine the process, systems, and political dynamics of the United States and other nations. The dynamic component of this course includes current United States and world events.

PRACTICUM IN LOCAL, STATE, AND FEDERAL GOVERNMENT

Course # 07229710

Prerequisite : Political Science or Court Systems and Practices

Recommended Grade Placement 12

2 CREDITS

Students learn advanced concepts of political science in the classroom setting. In addition, students will apply technical skills pertaining to government and public administration in a direct mentorship by individuals in professional settings such as government, public management and administration, national security, municipal planning, foreign service, revenue, taxation, and regulation.

HEALTH SCIENCE PATHWAY

HEALTH SCIENCE

Course # 07226100

Prerequisite : Futures in Health, Medicine & Safety

Recommended Grade Placement 10-11

1 CREDIT

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. **Supply Fee: See district approved fee list**

PHARMACY TECHNICIAN

Course # 07226450

Prerequisite: Health Science

Recommended Grade Placement 11-12

2 CREDITS

The Pharmacy Technician Program is an extensive program to provide training for students in communication, patient advocate skills and safety to gain employment within clinical or retail pharmacy settings. The course focuses on preparation and distribution of medication, record maintenance and assistance to a licensed pharmacist. Sterile products (I.V.) training is included with an optional certification. Students will be responsible for fees and obtaining certification outside of school

PRACTICUM IN HEALTH SCIENCE

Course # 07226500

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

Recommended Grade Placement 11-12

2 CREDITS

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. **Supply fee: See approved district fee list**

COUNSELING AND MENTAL HEALTH

Course # 07226200

Prerequisite: Futures in Health and Biomedical Science or Futures in Social, Personal & Public Services

Recommended Grade Placement 10-12

1 CREDIT

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.

PRINCIPLES OF BIOMEDICAL SCIENCE

Course # 07226004

Prerequisite: Futures in Health and Biomedical Science

Recommended Grade Placement 10-11

1 CREDIT

Students explore concepts of Biology and Medicine to determine factors that led to the death of a fictional person. During the investigation, the students will examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. Students would be introduced to human physiology, basic biology, medicine, and research processes which will allow them to design their own experiments to solve problems. *This course does not count as a science credit.*

HUMAN BODY SYSTEMS

Course # 07226300

Prerequisite: Futures in Health and Biomedical Science

Recommended Grade Placement 10-12

1 CREDIT

Students examine the interactions of human body systems as they explore identity, power, movement, protection and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Manikin; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. *This course does not count as a science credit.*

BIOMEDICAL INNOVATION

Course # 07226310

Prerequisite: Futures in Health and Biomedical Science, Human Body Systems, or Medical Interventions

Recommended Grade Placement: 12

1 CREDIT

Students build on the knowledge and skills gained from the previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students apply their knowledge and skills to answer questions or solve problems in the biomedical sciences. *This course does not count as a science credit.*

MEDICAL INTERVENTIONS

Course # 07226320

Prerequisite: Futures in Health and Biomedical Science or Human Body Systems

Recommended Grade Placement: 11-12

1 CREDIT

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices and diagnostics. *This course does not count as a science credit.*

HOSPITALITY AND TOURISM PATHWAY

LIFETIME NUTRITION & WELLNESS

Course # 07223280

Prerequisite : None

Recommended Grade Placement 10-12

1/2 CREDIT

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.

CULINARY ARTS I

Course # 07225280

Prerequisite: Lifetime Nutrition & Wellness or Futures in Social, Personal & Public Services

Recommended Grade Placement 10-12

2 CREDITS

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. **Supply fee: See approved district fee list**

PRACTICUM IN CULINARY ARTS

Course # 07225880

Prerequisite : Culinary Arts I

Recommended Grade Placement 11-12

2 CREDITS

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. **Supply fee: See approved district fee list**

ADVANCED PRACTICUM IN CULINARY ARTS

Course # 07225895

Prerequisite : Practicum in Culinary Arts

Recommended Grade Placement 12

2 CREDITS

Students will participate in a culinary internship and in-house catering service using culinary skills learned through hands-on lab experiences. This course integrates academic and career and technical education provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast changing workplace. **Supply fee: See approved district fee list**

RESTAURANT MANAGEMENT

Course # 07225180

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

Recommended Grade Placement 12

1 CREDIT

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. **Supply fee: See approved district fee list**

HUMAN SERVICES PATHWAY

CHILD DEVELOPMENT

Course # 07225210

Prerequisite : Futures in Social, Personal & Public Services

Recommended Grade Placement 10-12

1 CREDIT

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.

INTRODUCTION TO COSMETOLOGY

Course # 07103100

Prerequisite: None

Recommended Grade Placement 10

1 CREDIT

Students explore areas such as hair styling, manicuring, shampooing the principles of hair cutting, hair styling, hair coloring, skin care, nail care, sterilization and sanitation. 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 credit hours toward state licensing requirements. **FEE WILL BE \$125.00 AND MUST BE PAID WITHIN FIRST 10 DAYS OF SCHOOL YEAR.**

COSMETOLOGY I

Course # 07223200

Prerequisite : Introduction to Cosmetology
Recommended Grade Placement 11

3 CREDITS

Students coordinate the integration of academic, career, technical knowledge and provide salon services. This instructional sequenced course is designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care. This program meets the Texas Department of Licensing and Regulation requirements for licensure upon successful completion of the course sequence and passing the state examinations at the end of Cosmetology II. Analysis of career opportunities, requirements, expectations, and development of workplace skills are included. Supply fee: See approved district fee list.

COSMETOLOGY II

Course # 07223300

Prerequisite : Cosmetology I
Recommended Grade Placement 12

3 CREDITS

Students review academic and practical knowledge related to cosmetology. This course is designed to provide advanced skill set training as well as employment preparation for a cosmetology career. Instruction includes advanced training in sterilization and sanitation processes, hair care, nail care, and skin care. This program meets the Texas Department of Licensing and Regulation requirements for licensure upon successful completion of the course sequence and passing the state examinations. 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. Students are **REQUIRED** to attend **ZERO HOUR** their Senior Year; buses will not be available for **ZERO HOUR** but will be available to get to their Home campus after class. **FEE WILL BE \$150.00 AND MUST BE PAID WITHIN THE FIRST TEN DAYS OF SCHOOL YEAR. AN ADDITIONAL MANDATORY FEE OF \$183.00 IS REQUIRED BY END OF FIRST SEMESTER FOR TDLR STATE EXAM FEES AND LICENSE FEE.**

FAMILY & COMMUNITY SERVICES

Course # 07223330

Prerequisite : Futures in Social, Personal, and Public Services
Recommended Grade Placement 11-12

1 CREDIT

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.

INTERPERSONAL STUDIES

Course # 07223225

Prerequisite : None
Recommended Grade Placement 10-12

1/2 CREDIT

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.

PRACTICUM IN HUMAN SERVICES

Course # 07223920

Prerequisite : Students must have taken one course in the Human Services cluster
Recommended Grade Placement 11-12

2 CREDITS

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.

INFORMATION TECHNOLOGY PATHWAY

COMPUTER PROGRAMMING

Course # 07222200

Prerequisite : Algebra I

Recommended Grade Placement 10-12**1 CREDIT**

Students acquire knowledge of structured programming techniques and concepts appropriate to developing executable programs and creating appropriate documentation. Students analyze the social responsibility of business and industry as it relates to computer programming. Students will learn by using a variety of programming platforms which may include Scratch, Greenfoot, Java, Mobile Applications, and Python. Students apply technical skills to address business applications of emerging technologies.

ADVANCED COMPUTER PROGRAMMING *(approved by State Board of Education for math credit)*

Course # 07222210

Prerequisite: Computer Programming and successful completion or concurrent enrollment in Algebra II
Recommended Grade Placement 10-12

1 CREDIT

Students expand their knowledge and skills in structured programming techniques and concepts by addressing more complex problems and developing comprehensive programming solutions. Students analyze the social responsibility of business and industry as it relates to computer programming. Students will program primarily using the Java language. Students apply technical skills to address business applications of emerging technologies. This is an advanced academic course and is weighted in the GPA.

COMPUTER MAINTENANCE

Course # 07224520

Prerequisite : None**Recommended Grade Placement 10-12****1 CREDIT**

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.

COMPUTER TECHNICIAN

Course # 07224720

Prerequisite : Computer Maintenance or Network Administrator
Recommended Grade Placement 11-12

2 CREDITS

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.

NETWORK ADMINISTRATOR

Course # 07224620

Prerequisite : Computer Maintenance
Recommended Grade Placement 10-12

1 CREDIT

Students develop knowledge of the concepts and skills related to networking technologies and practices in order to apply them to personal or career development. This includes various network components, cabling, network design, implementation, and security.

PRACTICUM INFORMATION TECHNOLOGY

Course # 07222240

Prerequisite: Computer Technician**Recommended Grade Placement 12****2 CREDITS**

Research in IT is a project-based research course for students who have the ability to research a real-world technological problem. Students develop a project on a topic related to information technology career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, apply information technology concepts, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge, skills, and technologies in a variety of settings.

WEB TECHNOLOGIES

Course # 07224920

Prerequisite : Futures in Science, Engineering, & Technology
Recommended Grade Placement 10-12

1 CREDIT

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. Students will learn how Internet technologies function, how to program with standards-compliant HTML, CSS, and JavaScript, as well as relevant Graphic Design principles.

LAW AND PUBLIC SAFETY PATHWAY

CORRECTIONAL SERVICES

Course # 07229200

Prerequisite: Law Enforcement I or Firefighter I

Recommended Grade Placement 10-12

1 CREDIT

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. **Supply fee: See approved district fee list**

COURT SYSTEMS & PRACTICES

Course # 07229210

Prerequisite : Law Enforcement I

Recommended Grade Placement 10-12

1 CREDIT

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. **Supply fee: See approved district fee list**

FIREFIGHTER I

Course # 07229100

Prerequisite : Futures in Law and Fire

Recommended Grade Placement 10-12

1 CREDIT

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. **Supply fee: See approved district fee list**

FIREFIGHTER II

Course # 07229500

Prerequisite : Firefighter I

Recommended Grade Placement 11-12

2 CREDITS

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. **Supply fee: See approved district fee list**

LAW ENFORCEMENT I

Course # 072529110

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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. **Supply fee: See approved district fee list**

LAW ENFORCEMENT II

Course # 07229510

Prerequisite : Law Enforcement I

Recommended Grade Placement 11-12

2 CREDITS

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. **Supply fee: See approved district fee list. Dual Technical Credit through Tarrant County College**

SECURITY SERVICES

Course # 07229220

Prerequisite : Law I or Fire I

Recommended Grade Placement 10-12

1 CREDIT

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. **Supply fee: See approved district fee list**

MANUFACTURING

WELDING

Course # 07220500

Prerequisite: Agricultural Mechanics & Metal Technologies

Recommended Grade Placement 11-12

1 CREDIT

Students develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

ADVANCED WELDING

Course 07220501

Prerequisite: Welding

Recommended Grade Placement: 12

2 CREDITS

Advanced Welding builds on knowledge and skills developed in Welding. Students will develop advanced welding concepts and skills as they relate to personal and career development. This course integrates academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS PATHWAY

AEROSPACE ENGINEERING (AE) - Project Lead the Way

Course # 07228210

Prerequisite : Principles of Engineering and Introduction to Engineering

Recommended Grade Placement 11-12

1 CREDIT

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*

DIGITAL ELECTRONICS (DE) - Project Lead the Way

Course # 07228150

Prerequisite : Algebra I

Recommended Grade Placement 10-11

1 CREDIT

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*

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

Course # 07228600

Prerequisite : Introduction to Engineering AND Principles of Engineering, plus Aerospace Engineering OR Digital Electronics

Recommended Grade Placement 12

1 CREDIT

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*

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

Course # 07228000

Prerequisite :Algebra I

Recommended Grade Placement 9-12

1 CREDIT

Designed for 9th or 10th grade students and serves as the foundation for all PLTW courses, 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*

PRINCIPLES OF ENGINEERING (POE) - Project Lead the Way

Course # 07228120

Prerequisite : Algebra I and Introduction to Engineering (Recommended)

Recommended Grade Placement 10-12

1 CREDIT

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*

ROBOTICS AND AUTOMATION

Course # 07228930

Prerequisite: Futures in Science, Engineering and Technology

Recommended Grade Placement: 11-12

1 CREDIT

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

TRANSPORTATION, DISTRIBUTION & LOGISTICS PATHWAY

ENERGY, POWER AND TRANSPORTATION SYSTEMS

Course # 07220110

Prerequisite: Futures in Transportation, Distribution and Logistics

Recommended Grade Placement 10-12

1 CREDIT

Students will need to understand the interaction between various vehicle systems, the logistics used to move goods and services to consumers and the components of transportation infrastructure. Performance requirements will include academic and technical skills. Students prepared to meet the expectations of employers in this industry must be able to interact and relate to others and understand the technologies used in order to provide products and services in a timely manner.

LOGISTICS PLANNING AND MANAGEMENT SYSTEMS

Course # 07220120

Prerequisite: Futures in Transportation, Distribution and Logistics

Recommended Grade Placement 11-12

1 CREDIT

Students receive training for entry-level employment in the Logistics, Planning, and Management Systems. This course focuses on the business planning and management aspects of transportation, distribution, and logistics. This course will focus on logistics, planning and management systems used in the Logistics industry.

PRATICUM OF TRANSPORTATION, DISTRIBUTION AND LOGISTICS

Course # 07220130

Prerequisite: Energy, Power and Transportation Systems or Logistics Planning and Management Systems

Recommended Grade Placement 12

1 CREDIT

The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of courses in the Transportation, Distribution, and Logistics cluster. The Practicum is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories.

MULTIPATHWAY COURSES

CAREER PREPARATION (COOP) I

Course # 07228900; 07228902

Prerequisite : Student must be 16 years or older

Recommended Grade Placement 11-12

3 CREDITS

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

CAREER PREPARATION (COOP) II

Course # 07228910; 07228912

Prerequisite : Student must be 16 years or older

Recommended Grade Placement 12

3 CREDITS

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

PROBLEMS AND SOLUTIONS

Course # 07228960

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

Recommended Grade Placement 12

1 CREDIT

This is a capstone course for those students who have completed all the sequential classes in their CTE Program of Study. In most cases, it is taken after the CTE Practicum course. This is a project based course in which students apply research skills to complete an action research project devoted to their interests within their designated CTE Program of Study. In many CTE programs, students have the opportunity to compete with their project for scholarships. If a student has finished their coherent sequence of courses, they should work with the CTE Counselor for placement. This class provides an opportunity to earn one advanced measure for the **Distinguished Achievement Program**.

PROFESSIONAL COMMUNICATIONS

Course # 07224250

Prerequisite : None

Recommended Grade Placement 9

1/2 CREDIT

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.*

PROFESSIONAL LEADERSHIP

Course # 07228950

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

Recommended Grade Placement 11-12**1 CREDIT**

This is an advanced level leadership course where students apply leadership skills previously obtained in other courses. The goal for students participating in leadership courses is to become responsible citizens, entrepreneurs, and productive workers in a global society. The students in this course will be expected to lead the campus as student ambassadors. Students will participate in service projects and design leadership campaigns that will be adopted campus-wide. In addition, these students will be responsible for campus tours, and assisting with campus projects. Students will also be responsible for the promotion of Bill R. Johnson CTEC initiatives using creative professional oral and written communication.

ATHLETICS/PHYSICAL EDUCATION**ATHLETICS I-IV****Prerequisite : Tryout and selection process, physical and medical history on file****Recommended Grade Placement 9-12****1 CREDIT**

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. **Supply Fee: See district approved fee list.**

	YEAR 1	YEAR 2	YEAR 3	YEAR 4
Boys:				
Baseball I, II, III, IV	Course # 08223110, 08223115	Course # 08223120, 08223125	Course # 08223130	Course # 08223140
Basketball I, II, III, IV	Course # 08223210, 08223215	Course # 08223220, 08223225	Course # 08223230	Course # 08223240
Football I, II, III, IV	Course # 08223310, 08223315	Course # 08223320, 08223325	Course # 08223330	Course # 08223340
Golf I, II, III, IV	Course # 08223410, 08223415	Course # 08223420, 08223425	Course # 08223430	Course # 08223440
Soccer I, II, III, IV	Course # 08223510, 08223515	Course # 08223520, 08223525	Course # 08223530	Course # 08223540
Swim I, II, III, IV	Course # 08223610, 08223615	Course # 08223620, 08223625	Course # 08223630	Course # 08223640
Tennis, I, II, III, IV	Course # 08223710, 08223715	Course # 08223720, 08223725	Course # 08223730	Course # 08223740
Track/Cross Country I, II, III, IV	Course # 08223810, 08223815	Course # 08223820, 08223825	Course # 08223830	Course # 08223840
Girls:				
Basketball I, II, III, IV	Course # 08224010, 08224015	Course # 08224020, 08224025	Course # 08224030	Course # 08224040
Fast Pitch Softball I, II, III, IV	Course # 08224410, 08224415	Course # 08224420, 08224425	Course # 08224430	Course # 08224440
Golf I, II, III, I	Course # 08224210, 08224215	Course # 08224220, 08224225	Course # 08224230	Course # 08224240
Soccer I, II, III, IV	Course # 08224310, 08224315	Course # 08224320, 08224325	Course # 08224330	Course # 08224340
Swim I, II, III, IV	Course # 08224510, 08224515	Course # 08224520, 08224525	Course # 08224530	Course # 08224540
Tennis, I, II, III, IV	Course # 08224610, 08224615	Course # 08224620, 08224625	Course # 08224630	Course # 08224640

Track/Cross Country I, II, III, IV	Course # 08224710, 08224715	Course # 08224720, 08224725	Course # 08224730	Course # 08224740
Volleyball I, II, III, IV	Course # 08224910, 08224915	Course # 08224920, 08224925	Course # 08224930	Course # 08224940

BASIC ATHLETIC TRAINING I

Prerequisite: Application and selection process

Recommended Grade Placement 9 - 12

Course # 08223910 (M) 08224810(F)

1 CREDIT

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. 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.

BASIC ATHLETIC TRAINING II

Prerequisite: Application and selection process

Recommended Grade Placement 10-12

Course # 08223920 (M) 08224820(F)

1 CREDIT

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. 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.

BASIC ATHLETIC TRAINING III

Prerequisite: Application and selection process

Recommended Grade Placement 11 - 12

Course # 08223930 (M) 08224830(F)

1 CREDIT

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. 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.

BASIC ATHLETIC TRAINING IV

Prerequisite: Application and selection process

Recommended Grade Placement 12

Course # 08223940 (M) 08224840(F)

1 CREDIT

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. 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.

CHEERLEADING II

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

Recommended Grade Placement 10

Course # 08224120; 08224125

1/2 PE and 1/2 LOCAL CREDIT

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.

CHEERLEADING III

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

Recommended Grade Placement 11

Course # 08224130; 08224135

1/2 PE and 1/2 LOCAL CREDIT

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.

CHEERLEADING IV

Course # 08224140

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

RECOMMENDED GRADE PLACEMENT 12

1 LOCAL CREDIT

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.

HEALTH

Course # 08220100

Prerequisite : None

Recommended Grade Placement 10-12

1/2 CREDIT

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.**

PE FOUNDATION OF PERSONAL FITNESS – GIRLS AND BOYS PHYSICAL EDUCATION

Course # 08090110

Prerequisite : None

Recommended Grade Placement 9

1 CREDIT

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.

PE OUTDOOR ADVENTURES

Course # 08220350

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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.

PE AEROBIC ACTIVITIES

Course # 08220115

Prerequisite : None

Recommended Grade Placement 10–12

1 CREDIT

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.

PE INDIVIDUAL AND TEAM SPORTS

Course # 08220220

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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.

PE WEIGHT TRAINING AND CONDITIONING

Course # 08220120

Prerequisite : None

Recommended Grade Placement 10-12

1 CREDIT

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.**

OTHER ELECTIVES

AVID I

Course # 10099100

Prerequisite: Application and selection process

Recommended Grade Placement 9-12

1 CREDIT

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.

AVID II

Course # 10109110

Prerequisite: Application and selection process

Recommended Grade Placement 10-12

1 CREDIT

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.

AVID III

Course # 10119111

Prerequisite: Application and selection process

Recommended Grade Placement 11-12

1 CREDIT

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.

AVID IV

Course # 10129112

Prerequisite: Application and selection process

Recommended Grade Placement 12

1 CREDIT

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.

COLLEGE PREP

Course # 11229300

Prerequisite : None

Recommended Grade Placement 10-12

1/2 LOCAL CREDIT

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

COMPUTER SCIENCE I

Course # 0722205

Prerequisite : Algebra I**Recommended Grade Placement 9-12****1 CREDIT**

Students will access, analyze, and evaluate all types of information in ways that are computable in order to solve problems that range in scope from computing a speeding ticket to instructing a robot to dance, from designing interactive, intelligent fashion garments to creating a mobile app game. Students are exposed to the vast and diverse world of computer science, working collaboratively and individually on projects and learning a variety of programming languages, both graphical and text-based, to use in implementing their solutions. This is the first in the sequence of computer science courses offered for students in the computer science program of study, STEM endorsement. This is an advanced academic course and is weighted in the GPA. *This course receives weighted credit for GPA calculation.*

UNIVERSITY OF TEXAS COMPUTER SCIENCE ONRAMPS PROGRAM

Course # 0722000

Prerequisite : Algebra I**Recommended Grade Placement 9-12****1 CREDIT**

Computer Science Principles: Thriving in our Digital World is a computer science course that does not require any previous background in programming. Instead, it focuses on the power, beauty, and joy of computing and shows how computing impacts almost every aspect of our lives. Students learn how computational thinking can help solve real-world problems in varied fields such as forensics, social networking, and artificial intelligence. Students also develop basic programming skills. During the fall semester students will take 4 qualifying exams and complete 4 projects and if s/he meets the University of Texas's guidelines, then s/he will be able to earn college credit during the second semester (CS 302). Students who do not meet the eligibility requirements for dual enrollment can remain enrolled in the same OnRamps course during the spring semester for the opportunity to earn high school credit only. Even though the student will not have the opportunity to earn college credit, s/he will have the advantage of a high-quality, university-level learning experience while still in high school. *This course receives weighted credit for GPA calculation.*

COMPUTER SCIENCE AP (approved by State Board of Education for math credit)

Course # 0722206

Prerequisite: Computer Science I and successful completion or concurrent enrollment in Algebra II**Recommended Grade Placement 9-12****1 CREDIT**

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 for 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 the second in the sequence of computer science courses offered for students in the computer science program of study, STEM endorsement. 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. *This course receives weighted credit for GPA calculation.*

COMPUTER SCIENCE II

Course # 0722220

Prerequisite : Computer Science I**Recommended Grade Placement 10-12****1 CREDIT**

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 contained in AP Computer Science A but without preparing for the AP exam. This is the second in the sequence of computer science courses offered for students in the computer science program of study, STEM endorsement. *This course receives weighted credit for GPA calculation.*

COMPUTER SCIENCE III

Course # 0722230

Prerequisite : Advanced Computer Programming or Computer Science II**Recommended Grade Placement 10-12****1 CREDIT**

This is the third in the sequence of computer science courses offered. Students will learn additional data structures for storing and retrieving data including Sets, Maps, Lists, Stacks, Queues and Trees, and explore the advantages/disadvantages of each. Students will explore how technology impacts our lives by exploring current computer science topics such as artificial intelligence, cybersecurity and nanotechnology. In addition, students will choose computing topics of interest to research. This is the third in the sequence of computer science courses offered for students in the computer science program of study, STEM endorsement. *This course receives weighted credit for GPA calculation.*

GAME PROGRAMMING AND DESIGN

Course # 07224940

Prerequisite : Algebra I**Recommended Grade Placement 9-12****1 CREDIT**

Game Programming and Design will foster student creativity and innovation by presenting students with opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve gaming problems. Through data analysis, students will include the identification of task requirements, plan search strategies, and use programming concepts to access, analyze, and evaluate information needed to design games. By acquiring programming knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will create a computer game that is presented to an evaluation panel. This course will count as an elective credit for students in the computer science program of study, STEM endorsement.

FRESHMEN ORIENTATION

Course # 10099110

Prerequisite : None**Recommended Grade Placement 9****1 CREDIT**

Students will be introduced to high school through the Freshmen Orientation course. Students will learn goal setting and monitoring and to take responsibility for their own learning including how & where to get help when needed. Students will learn various skills in critical thinking, study techniques, and organizational & time management methods to equip them for success throughout high school and beyond.

JUNIOR RESERVE OFFICERS' TRAINING CORPS I (JROTC)

Course # 10220810

Prerequisite : Application**Recommended Grade Placement 9-12****1 CREDIT**

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. **1 PE Sub credit**

JUNIOR RESERVE OFFICERS' TRAINING CORPS II (JROTC)

Course # 10220820

Prerequisite : Application**Recommended Grade Placement 10-12****1 CREDIT**

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.

JUNIOR RESERVE OFFICERS' TRAINING CORPS III (JROTC)

Course # 10220830

Prerequisite : Application**Recommended Grade Placement 11-12****1 CREDIT**

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.

JUNIOR RESERVE OFFICERS' TRAINING CORPS IV (JROTC)

Course # 10220840

Prerequisite: Application

Recommended Grade Placement 12

1 CREDIT

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.

Mobile Application Development

Course # 07224910

Prerequisite: None

Grade Placement 9-12

1 CREDIT

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 collaborate with one another, their instructor, and various electronic communities to solve problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use software development concepts to access, analyze, and evaluate information needed to program mobile devices. By using software design knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of mobile application development through the study of development platforms, programming languages, and software design standards. Students will create a mobile app that is presented to an evaluation panel. This course will count as an elective credit for students in the computer science program of study, STEM endorsement.

PATH TO COLLEGE & CAREER II

Course # 10229110

Prerequisite : None

Recommended Grade Placement 10

1 CREDIT

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).

PATH TO COLLEGE & CAREER III

Course # 10229120

Prerequisite : None

Recommended Grade Placement 11

1 CREDIT

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).

PATH TO COLLEGE & CAREER IV

Course # 10229130

Prerequisite : None

Recommended Grade Placement 12

1 CREDIT

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).

STUDENT LEADERSHIP

Course # 10229400

Prerequisite : Application and selection process
Recommended Grade Placement 11 - 12

1 CREDIT

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. *(State credit for one year only)*

TEEN LEADERSHIP I

Course # 10229600

Prerequisite : Application and selection process
Recommended Grade Placement 11-12

1 CREDIT

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.

TEEN LEADERSHIP II

Course # 10229650

Prerequisite: Application and selection process
Recommended Grade Placement 11-12

1 CREDIT

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.

Appendices

Appendix A: Advanced Academic Courses

Appendix B: Graduation Endorsements

Appendix C: Graduation Performance Acknowledgements

Appendix D: Dual Credit Courses

Appendix E: Courses that Count for Fourth Math Credit

Appendix A - 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	Science	Mathematics	Social Studies/History
01110350 – AP English III Language and Composition	03120500 – AP Biology	02120625 – AP Calculus AB	04120475 – AP Macro Economics
01120450 – AP English IV – Literature and Composition	03120600 – AP Chemistry	02120650 – AP Calculus BC	04120450 – AP United States Government and Politics & AP Comparative Government
01220700 – Creative/Imaginative Writing	03120700 – AP Physics 1B, 2B & C	02120800 – AP Statistics	04110350 AP United States History
01220725 – Literary Genres – Multicultural Literature	03220875 – AP Environmental Science	02120400 & 02120450 – Pre-Calculus & Pre-AP Pre-Calculus	04120500 – AP European History
01220710 – Literary Genres – Science Fiction & Fantasy	03090150 – Pre-AP Biology	02120600 – Independent Study in Mathematics – Calculus	04220650 – AP Psychology
01220735 – Literary Genres – Women’s Studies	03100250 – Pre-AP Chemistry	0222015 & 02220175 – Pre-AP and GATE Algebra I	04090150 – Pre-AP World Geography
01220800 – Humanities	03110450 – Pre-AP Physics	02090250 – Pre-AP Geometry	04220175 – AP Human Geography
01220850 – Independent Study in English – Analysis of Visual Media (Humanities 2)		02100350 – Pre-AP Algebra II	04100250 – Pre-AP World History
01220573 – Debate III			04100275 – AP World History
01090175 – Pre-AP English I			
01100250 - Pre-AP English II			
Computer Science	Fine Arts	Advanced Languages (Modern or Classical)	
07222200 – Computer Science I	06222950 – AP Music Theory	05222400 – AP French IV Language	
07222210 – AP Computer Science A	06221500 – AP Art/Drawing	05223400 – AP German IV Language	
07222220 – Computer Science II	06221400 – Art IV Drawing	05224400 – AP Spanish IV Language	
07222230 – Computer Science III	06222400 – Dance IV	05224500 AP Spanish V Literature	
	06222400 – Music IV Band	05222250 – Pre-AP French II	
	06222450 – Jazz Band IV	05222300 – Pre-AP French III	
	06222800 – Color Guard IV	05223250 – Pre-AP German II	
	06223400 – Music IV Choir	05223300 – Pre-AP German III	
	06223450 – Vocal Ensemble IV	05224250 – Pre-AP Spanish II	
	06225400 – Theatre IV	05224300 – Pre-AP Spanish III	
	06225640 – Theatre Productions IV		

Dual Credit or Transcribed Courses

TCC Speech 1321
TCC ENGL 1301
TCC ENGL 1302
TCC ENGL 2311
TCC ENGL 2323
TCC ENGL 2328
TCC HIST 1301
TCC HIST 1302
TCC GOV 2305
TCC ECON 2301
TCC ARTS 1301
TCC MUSI 1306
TCC DRAM 1310
TCC DRAM 2366
TCC PSYC 2301
TCC SOCI 1301
TCC BCIS 1405 and COSC 1401
TCC MATH 2513
TCC EDUC 1301
TCC EDUC 2301
TCC CRIJ 1310
TCC CRIJ 2328
TCC CRIJ 2323
TCC CRIJ 2328
TCC CRIJ 2323
TCC CRIJ 2313
TCC CRIJ 1306
TCC TECA 1354
TCC MATH 1314
TCC BIO 1406
TCC BIO 1407
TCC KINE 1164
TCC ACCT 2301
TCC ACCT 2302
TCC ECON 2302
TCC BUSI 2301

Project Lead the Way:

Introduction to Engineering (IED)

Principles of Engineering (POE)

Digital Electronics (DE)

Aerospace Engineering (AE)

Engineering Design & Development (EDD)

Appendix B - Graduation Endorsements

To receive an endorsement, students must complete 4 credit hours in the specified area.

Arts & Humanities			
Endorsement	Eligible Classes	Endorsement	Eligible Classes
Fine Arts	The same discipline in Fine Arts must be taken in four years. For example, four years in Art, Band, Choir, or Theatre	Languages Other Than English	Two levels of the same language in a Language Other Than English and two levels in a different language OR four levels of the same language in a Language Other Than English
Social Studies	World History, Pre-AP World History, AP Human Geography, Pre-AP World Geography, Psychology, Sociology, AP Psychology, Global Cultural Studies, AP Comparative Government, AP European History, US Government, Dual Credit Government, AP US Government, Economics, Dual Credit Economics, AP Economics, US History, AP US History, Dual Credit US History		

Business and Industry Endorsements			
Endorsement	Eligible Classes	Endorsement	Eligible Classes
Agriculture Power Structure & Technical Systems Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Ag, Food, and Natural Resources; Agricultural Power Systems; Agricultural Mechanics and Metal Technologies; Practicum in Ag, Food, and Natural Resources	Architecture Design Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in STEM; Architecture Design; Advanced Architectural Design; Practicum in Architectural Design; Construction Technology; Interior Design
Agriculture Natural Resource Systems Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Ag, Food, and Natural Resources; Wildlife, Fisheries, and Ecology Management; Range Ecology and Management; Energy and Natural Resources; Horticultural Science; Practicum in Ag, Food, and Natural Resources	Construction Technology Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in STEM; Construction Technology; Advanced Construction Technology; Practicum in Construction Management; Interior Design; Architecture Design
Agriculture Plant Systems Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Ag, Food, and Natural Resources; Horticulture Science; Environment; Energy and Natural Resources; Landscape Design AND Turf Grass Management; Principles of Floral Design; Practicum in Ag, Food, and Natural Resources	Graphic Design Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Future in Arts & Communication; Graphic Design & Illustration; Advanced Graphic Design & Illustration; Practicum in Graphic Design & Illustration; Motion Graphics
Agriculture Animal Systems Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Ag, Food, and Natural Resources; Small Animal Management; Equine Science; Veterinary Medical Applications; Livestock Production; Practicum in Ag, Food, and Natural Resources; Wildlife, Fisheries, & Ecology Management	Audio and Video Technology Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Arts & Communication; Audio/Video Production; Advanced Audio/Video Production; Practicum in Audio/Video Production; Motion Graphics; Graphic Design; Commercial Photography
Agriculture Environmental Systems Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Ag, Food, and Natural Resources; Energy and Natural Resources AND Horticulture Science; Advanced Environmental Technology; Practicum in Ag, Food, and Natural Resources; Wildlife, Fisheries, & Ecology Management	Commercial Photography Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Arts & Communications; Commercial Photography; Advanced Commercial Photography; Graphic Design; Audio/Video Production
Interior Design Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Future in Arts & Communications; Interior Design; Advanced Interior Design; Practicum in Interior Design; Architecture Design; Principles of Floral Design	Fashion Design Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Arts & Communications; Fashion Design; Advanced Fashion Design; Practicum in Fashion Design; Fashion Marketing

Business and Industry Endorsements			
Business Information Management Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Business, Marketing and Finance; Business Information Management I; Business Information Management II; Business Law	Finance Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Business, Marketing and Finance; Accounting I; Accounting II; Business Law; Business Information Management; Entrepreneurship
Marketing Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Business, Marketing and Finance; Fashion Marketing; Retailing and Etailing; Sports & Entertainment Marketing; Advertising and Sales Promotions; Marketing Dynamics; Entrepreneurship; Business & Information Management	Journalism	Two of the following courses: Futures in Arts & Communications; Futures in Health, Medicine, and Safety; Professional Communications; Photojournalism AND Two courses from below: Advanced Broadcast Journalism I; Advanced Journalism Newspaper I; Advanced Journalism Yearbook I; Advanced Broadcast Journalism II; Advanced Journalism Newspaper II; Advanced Journalism Yearbook II; Advanced Broadcast Journalism III; Advanced Journalism Newspaper III; Advanced Journalism Yearbook III
Debate & Public Speaking	Futures in Arts & Communications; Debate I, Public Speaking I; Debate II, Public Speaking II; Debate III; Public Speaking III; Competitive Speech; Court Systems and Practices	Culinary Arts Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Social, Personal, and Public Services; Culinary Arts; Practicum in Culinary Arts; Advanced Practicum in Culinary Arts; Food Science; Lifetime, Nutrition & Wellness
Computer Software Design & Programming Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in STEM; Computer Programming; Advanced Computer Programming; Research in IT Solutions; Robotics; Computer Maintenance; Network Administrator	Computer Technician & Network Administrator Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in STEM; Computer Maintenance; Network Administrator; Computer Technician; Computer Programming; Research in IT
Web and Digital Communication Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in STEM; Graphic Design & Illustration; Motion Graphics; Web Technologies; Mobile Application Development; Robotics		

Public Services			
Endorsement	Eligible Classes	Endorsement	Eligible Classes
Education & Training Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Social, Personal, and Public Services; Instructional Practice in Education & Training; TCC TECA 1354; Practicum in Education & Training; TCC EDUC 1301; TCC EDUC 2301; Human Growth & Development; Child Development	Health Science Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Biomedical and Health Science; Health Science; Practicum in Health Science; Counseling & Mental Health; Anatomy & Physiology; Medical Microbiology; Pathophysiology; Human Growth & Development
Health Science – Pharmacy Technician Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Biomedical and Health Science; Health Science; Practicum in Health Science; Counseling & Mental Health; Pharmacy Technician	Biomedical Science Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Biomedical and Health Science; Principles of Biomedical Science; Human Body Systems; Biomedical Innovation; Medical Interventions; Health Science; Practicum in Health Science
Cosmetology Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Social, Personal, and Public Services; Introduction to Cosmetology; Cosmetology I; Cosmetology II	Government & Public Administration Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures of Law, Public Safety, Corrections & Security; Political Science I; Political Science II; Court Systems & Practices; Practicum in Local, State, & Federal Government
Law Enforcement Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures of Law, Public Safety, Corrections & Security; Law I; Correctional Services; Court Systems & Practices; Security Services; Law II; TCC CRIJ 1310; TCC CRIJ 2328; TCC CRIJ 2323; TCC CRIJ 2328; TCC CRIJ 2323; TCC CRIJ 2313; TCC CRIJ 1306; Forensic Science	Firefighter Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures of Law, Public Safety, Corrections & Security; Security Services; Firefighter I; Firefighter II; Forensic Science

JROTC	JROTC I; JROTC 2; JROTC 3; JROTC 4	Child Development Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Social, Personal, and Public Services; Child Development; TCC TECA 1354; Practicum in Human Services; Human Growth & Development
Child and Family Services Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Social, Personal, and Public Services; Child Development; TCC TECA 1354; Family and Community Services; Practicum in Human Services	Counseling and Mental Health Middle School Courses that count: Digital and Interactive Media, Interpersonal Studies, Dollars & Sense	Futures in Social, Personal and Public Services; Human Growth and Development (or TCC TECA 1354); Family and Community Services; Counseling and Mental Health; Practicum in Human Services

Science, Technology, Engineering & Mathematics (STEM)			
Endorsement	Eligible Classes	Endorsement	Eligible Classes
Mathematics Middle School Courses that count: Algebra I	Five math credits. Must include two math courses for which Algebra II is a prerequisite	Science	Five science credits. Must include Biology, Chemistry, Physics and two additional science credits.
Computer Science	Futures in STEM; Computer Science I; Computer Science II; AP Computer Science; Computer Science III; Digital Forensics; Mobile Application Development; Game Programming & Design; Discrete Mathematics; Independent Study in Technology Applications	Project Lead the Way (Pre-Engineering)	Introduction to Engineering (IED); Principles of Engineering (POE); Aerospace Engineering (AE); Digital Electronics (DE); Robotics; Engineering Design & Development (EDD); Robotics

Appendix C - Graduation Performance Acknowledgements

Students can earn Performance Acknowledgements for outstanding performance in areas of dual credit coursework; bilingualism/biliteracy; college AP; PSAT, SAT, or ACT; and receiving business or industry certifications or licenses.

A student may earn a performance acknowledgement on the student's diploma and transcript for outstanding performance in a dual credit course by successfully completing:

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

A student may earn a performance acknowledgment in bilingualism and biliteracy by demonstrating proficiency in accordance with local school district grading policy in two or more languages by:

1. completing all English language arts requirements and maintaining a minimum grade point average (GPA) of the equivalent of 80 on a scale of 100; and
2. satisfying one of the following:
 - o completion of a minimum of three credits in the same language in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
 - o demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
 - o completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of 80 on a scale of 100; or
 - o demonstrated proficiency in one or more languages other than English through one of the following methods
 - a score of 3 or higher on a College Board AP exam for a language other than English; or
 - a score of 4 or higher on an IB exam for a higher-level languages other than English course; or
 - performance on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent.

In addition to meeting the requirements to earn a performance acknowledgment in bilingualism and biliteracy, an English language learner must also have:

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

A student may earn a performance acknowledgment on the student's diploma and transcript for outstanding performance on a College Board advanced placement test or International Baccalaureate examination by earning:

1. a score of 3 or above on a College Board advanced placement examination
2. a score of 4 or above on an International Baccalaureate examination.

A student may earn a performance acknowledgment on the student's diploma and transcript for outstanding performance on the PSAT, the ACT-PLAN, the SAT, or the ACT by:

1. earning a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) that qualifies the student for recognition as a commended scholar of higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognition Program (NHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation
2. achieving the college readiness benchmark score on at least two of the four subject tests on the ACT-PLAN examination
3. earning a combined critical reading and mathematics score of at least 1250 on the SAT; or
4. earning a composite score on the ACT examination of 28 (excluding the writing subscore).

A student may earn a performance acknowledgement on the student's diploma and transcript for earning a nationally or internationally recognized business or industry certification or license with:

1. performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification or
2. performance on an examination sufficient to obtain a government-required credential to practice a profession.

Nationally or internationally recognized business or industry certification shall be defined as an industry validated credential that complies with knowledge and skills standards promulgated by a nationally or internationally recognized business, industry, professional, or government entity representing a particular profession or occupation that is issued by or endorsed by:

Appendix D - Dual Credit Courses

Tarrant County Community College – Dual Credit Courses receive weighted credit on the GPA Scale; please contact your campus counselor for more information.

ACCT 2301 Principles of Financial Acct

This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity

to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities, and owners' equity while learning to use reported financial information for purposes of making decisions about the company. Students will be exposed to International Financial Reporting Standards (IFRS).

Prerequisite: TSI compliant in Math
Recommended Co-Requisite: MATH-1324

Grade Level: 11-12

ACCT-2302 Principles in Managerial Acct

This course is an introduction to the fundamental concepts of managerial accounting appropriate for all organizations. Students will study information from the entity's accounting system relevant to decisions made by internal managers, as distinguished from information relevant to users who are external to the company. The emphasis is on the identification and assignment of product costs, operational budgeting and planning, cost control, and management decision making. Topics include product costing methodologies, cost behavior, operational and capital budgeting, and performance evaluation.

Prerequisite: ACCT 2301

Grade Level: 11-12

BIOL 1408 Biology Non-Science Majors

Provides a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction.

Prerequisite: TSI Compliant
Co-requisite: BIOL-1408

Grade Level: 11-12

BIOL 1409 Biology for Non-Science Majors II

This course will provide a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology.

Prerequisite: TSI Complaint
Co-requisite: BIOL-1409L

Grade Level: 11-12

BUSI-2301 Business Law

The course provides the student with foundational information about the U.S. legal system and dispute resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context.

Prerequisite: High school coursework in US History and government, or equivalent.

Grade Level: 11-12

CRIJ 1306 Court Systems and Practices

This course is a study of the court system as it applies to the structures, procedures, practices and sources of law in American courts, using federal and Texas statutes and case law.

CRIJ 1310 Fundamentals of Criminal Law

This course is the study of criminal law including application of definitions, statutory elements, defenses and penalties using Texas statutes, the Model Penal Code, and case law. The course also analyzes the philosophical and historical development of criminal law and criminal culpability.

CRIJ 2313 Correctional Systems and Practices

This course is a survey of institutional and non-institutional corrections. Emphasis will be placed on the organization and operation of correctional systems; treatment and rehabilitation; populations served; Constitutional issues; and current and future issues.

CRIJ 2323 Legal Aspects of Law Enforcement

This courses examines police authorities; responsibilities; Constitutional constraints; laws of arrest, search and seizure; police liability.

CRIJ 2328 Police Systems and Practices

This course studies the establishment role and function of police in a democratic society. It will focus on types of police agencies and their organizational structure, police-community interaction, police ethics, and use of authority.

DRAM 1301 Introduction to Theater

Survey of all phases of theater including its history, dramatic works, stage techniques, production procedures, and relation to the fine arts. Participation in major productions may be required. Increases awareness and appreciation of the theater. This course may include field trips to local theaters.

Grade Level 11-12 (Sophomores who are interested in this course need to schedule a meeting with your Advanced Academics Coordinator)

DRAM 2366 Development of the Motion Picture

Emphasis on the analysis of the visual and aural aspects of selected motion pictures, dramatic aspects of narrative films, and historical growth and sociological effect of film as an art.

Grade Level 11-12 (Sophomores who are interested in this course need to schedule a meeting with your Advanced Academics coordinator)

ECON 2301 Principles of Macroeconomics

An analysis of the economy as a whole including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, and fiscal policy and monetary policy. Emphasis on the US economy. Required for business and economics majors. Grade Level 12

Pair with ENGL 1301 & 1302 or with ENGL 2323 & 2328, if completed pre-requisite of ENGL 1302.

ECON-2302 Principles of Microeconomics

Analysis of the behavior of individual economic agents, including consumer behavior and demand, producer behavior and supply, price and output decisions by firms under various market structures, factor markets, market failures, and international trade. Required for business and economics majors.

Prerequisite: ECON-2301

Grade Level: 11-12

EDUC 1301 Introduction to the Teaching Profession

An enriched, integrated pre-service course and content experience that provides active recruitment and institutional support of students interested in a teaching career, especially in high-need fields. The course provides students with opportunities to participate in early field observations at all levels of P-12 schools with varied and diverse student populations and provides students with support from college and school faculty, preferably in small cohort groups, for the purpose of introduction to analysis of the culture of schooling and classrooms. Course content should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Course must include a minimum of 16 contact hours of field experience in P-12 classrooms. Criminal background check required prior to enrolling. Field experience required.

EDUC 2301 Introduction to Special Populations

An enriched, integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspectives of language, gender, socioeconomic status, ethnic and academic diversity, and equity with an emphasis on factors that facilitate learning. The course provides students with opportunities to participate in early field observations of P-12 special populations and should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Must include a minimum of 16 contact hours of field experience in P-12 classrooms with special populations. Criminal background check required prior to enrolling.

ENGL- 1301 Composition I

Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis.

Prerequisite: TSI complete or exempt

Grade Levels 11-12

One semester to be taken with ENGL 1302 for a full year English credit for either English 3 or English 4. Pair with HIST 1301& 1302 for juniors or GOVT 2305/ECON 2301 for seniors.

ENGL- 1302 Composition II

Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions.

Prerequisite: ENGL- 1301

Grade Level 11-12

ENGL- 2311 Technical & Business Writing

Intensive study of and practice in professional settings. Focus on the types of documents necessary to make decisions and take action on the job, such as proposals, reports, instructions, policies and procedures, email messages, letters, and descriptions of products and services. Practice individual and collaborative processes involved in the creation of ethical and efficient documents.

Prerequisite: ENGL-1301, TSI Compliant

Grade Level 11-12

ENGL- 2323 British Literature II

A survey of the development of British Literature from the Romantic period to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

Prerequisites: ENGL 1302 and TSI complete or exempt

Grade Level 12

One semester to be taken with ENGL 2328 for a full year English credit for English 4. Pair with GOVT 2305/ECON2301

ENGL- 2328 American Literature II

A survey of American literature from the Civil War to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected among a diverse group of authors for what they reflect and reveal about the evolving American experience and character.

Prerequisites: ENGL- 1302 and TSI complete or exempt

Grade Level 12

GOVT 2305 Federal Government

Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties, and civil rights. Grade Level 12

Pair with ENGL 1301 & 1302 or with ENGL 2323 & 2328, if completed pre-requisite of ENGL 1302.

GOVT- 2306 Texas Government

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

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

Grade Level: 11-12

HIST 1301 United States History I

A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery, and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic, change, immigration and migration, and creation of the federal government.

Prerequisite: RDNG 0361 or RDNG 0363 with a grade of C, plus achieve 11th grade level score on Nelson-Denny or approved alternative.

Grade Level 11

One semester to be taken with HIST 1302 for full year US History credit and preparation for the US History EOC. Pair with ENGL 1301 & 1302.

HIST 1302 United States History II

A survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War, and post- Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, immigration and migration, urbanization and suburbanization, the expansion of the federal government and the study of the United States foreign policy.

Prerequisite: RDNG 0361 or RDNG 0363 with a grade of C, plus achieve 11th grade level score on Nelson-Denny or approved alternative.

Grade level 11

KINE-1164 Intro to Physical Fitness/Wellness

This course will provide an overview of the lifestyle necessary for fitness and health. Students will participate in physical activities and assess their fitness status.

Students will be introduced to proper nutrition, weight management, cardiovascular health, flexibility, and strength training. Includes

1. Scientific information concerning values and preventive medical benefits of exercise.
2. Individual (personal) evaluations and experiments to determine present health fitness status.
3. Development of a personal exercise program based on student's needs.

Prerequisite: TSI Complaint

Grade Level: 11-12

Math 1314 College Algebra

In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included. Computer software materials fee charged for some sections

Prerequisite: TSI Complaint in Math

Grade Level: 11-12

MATH 1325 Calculus-Business/Soc Science

This course is the basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on applications in business, economics, and social sciences. This course is not a substitute for MATH-2413, Calculus I.

Prerequisite: MATH-1324 or MATH-1314 with minimum grade of C

Grade Level: 11-12

SPCH 1321 Business & Professional Communication

Study and application of communication within the business and professional context. Special emphasis will be given to communication competencies in presentations, dyads, teams, and technologically mediated formats.

Grade Level 11-12 (Sophomores who are interested in this course need to schedule a meeting with your advanced academics coordinator)

TECA 1354 Child Growth and Development

A study of the physical, emotional, social and cognitive factors impacting growth and development of children through adolescence.

Appendix E – Courses That Count for 4th Math Credit

In Crowley ISD, all high school students are required to take four years of math. The following courses utilize mathematical concepts and processes helping students practice important skills and will satisfy the Crowley ISD requirement for Math-Oriented courses following completion of the Mathematics graduation requirements.

Courses
<p>All Math courses approved by State Board of Education (SBOE) such as:</p> <ul style="list-style-type: none"> • Algebra I • Geometry • Algebra II • the following and must be successfully completed prior to Algebra II: <ul style="list-style-type: none"> - Mathematical Models with Applications - Mathematical Applications in Agriculture, Food, and Natural Resources (CTE) • after successful completion of Algebra I, Geometry, and Algebra II: <ul style="list-style-type: none"> - Precalculus - Independent Study in Mathematics - AP Statistics - AP Calculus AB - AP Calculus BC - AP Computer Science - Engineering Mathematics (CTE) - Statistics and Risk Management (CTE)

Courses
<ul style="list-style-type: none"> • Music Theory I or II AP • Computer Science I,II,III • Accounting I or II • Advanced Interior Design or Practicum • Advanced Architectural Design or Practicum • Advanced Graphic Design & Illustration or Practicum • Motion Graphics • Advanced Audio/Video Production or Practicum • Advanced Fashion Design or Practicum • Practicum in Health Science • Culinary Arts I, Practicum in Culinary, or Adv. Practicum in Culinary • Cosmetology II • Law Enforcement II or Firefighter II • Aerospace Engineering • Introduction to Engineering • Digital Electronics • Principles of Engineering • Aerospace Engineering • Engineering Design & Development • Discrete Math • Career Preparation or Practicum courses • Dual Credit Calculus • Concurrent Credit College Algebra • Concurrent Credit Trigonometry • TAKS/STAAR Math Lab • AP Physics • AP Chemistry • College Prep Math