

FORT BEND INDEPENDENT SCHOOL DISTRICT


2016
2017

High School

High School



Course Selection Guide



A decorative graphic on the left side of the slide features the year '2016' in a large, white, stylized font. The numbers are composed of various geometric shapes and icons related to education, such as a graduation cap, a book, and a lightbulb. The background of the slide is a solid orange color with a subtle pattern of educational-related words and icons in a lighter shade of orange.

Chart your Course

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Welcome to Students and Parents

The purpose of this Chart Your Course Guide is to assist students and parents in planning a course of study tailored to individual student needs, interests, and aspirations. After an introductory section on general requirements, grades, academic placement, and student classification, the program of studies provides a brief description of the prerequisites and content of the courses offered by the Fort Bend Independent School District. These descriptions should be consulted in selecting courses for next year. Students and parents with questions regarding courses and the implications of selecting them are encouraged to consult with school counselors. **Information in this guide is subject to change at any time due to updates in local, state, and federal policies.**

Middle School Students and Parents:

- Review the state and local course requirements included in the guide. Also review the graduation requirements for the Foundation High School Plan.
- Consider your post-secondary education plans and career interests. Decide which college or other post-high school programs you might attend.
- Review the core course and elective offerings.
- Complete the course selection process as directed by your school counselor and/or advisor.

Availability of courses listed in the program guide depends on student requests, staffing and other resources at each campus. Some courses may not be available on all campuses in a face-to-face traditional format. Other formats (online learning or distance learning) may be utilized to provide a course to meet student requests within district procedures. Fort Bend Independent School District seeks to provide equal educational opportunity without regard for race, color, religion, national origin, sex or disability.

Additional information can be found on the Fort Bend ISD website, www.fortbendisd.com

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FBISD Mission

FBISD exists to inspire and equip all students to pursue futures beyond what they can imagine.

FBISD Vision

FBISD continuously improves teaching and learning by developing effective staff and building scalable systems.

HIGH SCHOOL PROGRAM OFFERINGS

In Fort Bend ISD the high school program includes grades 9-12. Students attend classes at one of the district's eleven comprehensive high school campuses or specialized schools.

High Schools
Austin

3434 Pheasant Creek Drive
 Sugar Land, TX 77498
 281-634-2000

Elkins

7007 Knights Court
 Missouri City, TX 77459
 281-634-2600

Ridge Point

500 Waters Lake Blvd.
 Missouri City, TX 77459
 281-327-5200

Bush

6707 FM 1464
 Richmond, TX 77407
 281-634-6060

Hightower

3333 Hurricane Lane
 Missouri City, TX 77459
 281-634-5240

Travis

11111 Harlem Road
 Richmond, TX 77406
 281-634-7000

Clements

4200 Elkins Drive
 Sugar Land, TX 77479
 281-634-2150

Kempner

14777 Voss Road
 Sugar Land, TX 77498
 281-634-2300

Willowridge

16301 Chimney Rock
 Houston, TX 77053
 281-634-2450

Dulles

550 Dulles Ave
 Sugar Land, TX 77478
 281-634-5600

Marshall

1220 Buffalo Run
 Missouri City, TX 77489
 281-634-6630

Specialized Schools
Ferndell Henry Center For Learning

7447 FM 521 Rd.
 Rosharon, TX 77583
 281-327-6000

Progressive

1555 Independence Blvd.
 Missouri City, TX 77489
 281-634-2900

Technical Education Center

540 Dulles Ave.
 Sugar Land, TX 77478
 281-634-5671

M.R. Wood

138 Ave F
 Sugar Land, TX 77498
 281-634-3320

GENERAL INFORMATION

Attendance

Students must be in attendance a minimum of 90 percent of the days after enrollment in the course. See the Student/Parent Handbook for more information.

Semester System

The Fort Bend Independent School District's high schools operate on a semester system. Each school year is divided into two semesters, and each semester is divided into two grading periods. Most courses vary from one to two semesters in length. Credit for courses is awarded based on EIE policy.

Grading System

The State Board of Education has set 70 as a minimum passing grade. Written communication of the student's achievement is reported to the parents on a nine-weeks basis. When letter grades are recorded, the following conversions are used.

90-100 =	A
80-89 =	B
75-79 =	C
70-74 =	D
69-below =	F

Actual student numerical grades are recorded in the grade book and averaged as actual grades. An Incomplete (I) is given on a report card if a student, because of illness or for some other excused reason, cannot complete the required work by the end of the reporting period. The student should contact the teacher to arrange to complete the work.

Academic Options

Students have several academic options when selecting classes. These include on-level courses, Pre AP, AP, Honors and Dual Credit courses. Students are advised to take courses at a level where they will be challenged and yet will perform successfully. The options available for each course are listed with course descriptions.

State Credit Courses

All courses which are to be counted toward grade level and graduation requirements must be state approved courses. Students must complete the correct graduation plan for their cohort upon entering high school to receive a diploma. The requirement may be waived under certain circumstances.

Academic Eligibility Rules

A student shall be suspended from participation in all extracurricular activities sponsored or sanctioned by the school district during the three week period following a grade reporting period in which the student received a grade lower than seventy in any class other than certain identified classes. This suspension continues for at least three weeks and is not removed during the school year until the student's grade in each class, other than certain identified classes, is seventy or greater. A student may continue to practice or rehearse with other students for an extracurricular activity but may not participate in a competition or other public performance. A suspended student may regain eligibility seven days after the six week grading period ends or seven days after a three week evaluation period. For a student to be eligible to participate in UIL activities, the student must be classified as a full time student (5 classes - traditional schedule, 6 classes - block schedule). Classes such as study hall, office aide, and off-campus do not meet this

Make-Up Work

It is the student's responsibility to ask the teacher for make-up work immediately upon returning to school after an absence. If a test was scheduled before the student was absent, then the student may be required to take the test the day he/she returns. If a student has missed work, the teacher will give the student the opportunity to make up the work. Generally one day for each day of excused absence will be provided for the make-up work. Failure to meet the deadline may result in a lower grade.

Some courses may not be available on all campuses in a face-to-face traditional format. Other formats (online learning or distance learning) may be utilized to provide a course to meet student requests within district procedures.

Course Credit

High school students are required to complete courses mandated under their graduation plan. Credit for a course may be earned only if the student receives a grade equivalent to a 70 or higher on a 100-point scale. State-approved courses are aligned to the Texas Essential Knowledge and Skills (TEKS). Credits are awarded in semester increments. A one-semester course is worth a .5 credit. A full-year course is worth 1.0 credit. (Identified courses are worth more than one credit.) If a student fails a semester course, the student must retake the entire course to earn graduation credit. If a student fails one semester of a multi-semester course, the student only retakes the semester that was failed. (In a two-semester course, a student can gain credit if both semesters average to a 70 or higher for the year.) High school courses taken in middle school will be included on a student's transcript and count in the grade point average (GPA).

Non Credit Courses

Some courses do not count toward graduation credits, will not post to a student's transcript, and will not be calculated for GPA and class rank. Such classes may include:

- Office Aide
- Study Hall

Study Halls

This non-credit, course option is available to students on a very limited basis. The following district expectations have been established.

1. Campuses may offer up to two (2) sections of study hall for extenuating circumstances including, but not limited to, the following:
 - a. Transfer students who were previously enrolled in a course not offered in FBISD
 - b. Students who are not selected for athletic teams (removed from athletics class) or other competitive courses – Teachers will be encouraged to work with students and delay course drops until the end of the semester. This will allow students to then move to a semester elective.
 - c. Under NO CIRCUMSTANCES will students be allowed to take a study hall because they have signed up for too many Pre AP or AP classes and need study time. Students and parents should be advised that five AP classes are the equivalent of 15 to 18 college course hours. This is not a practical schedule in high school when students are young and participating in band, sports, clubs and other extra-curricular activities.
2. These two periods will be created on an as needed basis only after the school year begins.
3. Students cannot use a study hall in place of an elective.
4. Students cannot pre-register for a study hall, during the course selection process.

For extenuating circumstances, a parent must submit a written request for a course change to study hall. This request must be approved by a principal or assistant principal.

Physical Education Substitutions

Marching band (fall semester only), cheerleading (fall semester only), JROTC and approved Off Campus PE may substitute for the physical education requirement. Students enrolled in physical education and band (fall semester only) or JROTC the same semester, may use both to meet the physical education requirement.

Fitness Assessment

The Texas Education Code (TEC) §38.101 states that a school district must annually assess the physical fitness of students enrolled in grade 3-12 in a course that satisfies the curriculum requirements for physical education under TEC §28.002 (a)(2)(C). Students at the high school level enrolled in a Texas Essential Knowledge and Skills (TEKS) based course for physical education, or any student in a substitution for physical education must be assessed. Students that are enrolled in athletics, off-campus private or commercially sponsored physical activity programs, or ROTC must always be assessed. The assessment instrument is the Fitnessgram which evaluates body composition (Body Mass Index), aerobic capacity (one mile run or pacer test), muscular strength and endurance (curl-ups, pull-ups, flexed arm hang), and flexibility (shoulder stretch).

Off Campus Physical Education

Private or commercially sponsored physical activity programs designed to develop Olympic level capabilities may be substituted for physical education credit in grades 6-12, if approved by the school board and the Texas Education Agency. Students who wish to participate in Off Campus PE must receive prior approval from his/her counselor, must provide his/her own transportation, and must provide a workout schedule and attendance records. The Category I classification requires a minimum of 15 hours per week per semester. The Category II classification requires a minimum of 5 hours per week per semester. Students who wish to participate in Off Campus PE should see their counselor for approval and confirmation. Examples of Off Campus PE options include archery, cycling, equestrian, gymnastics, ice skating, and Tae Kwon Do. Off Campus PE is for individual instruction sports. Requests for this must be made no later than August 1st for the fall semester and spring semester.

Classification of Students

Grade level advancement for students in grades 9-12 shall be determined by the number of earned course credits according to the classification chart below.

Class Standing	Credits Required for Class Standings Minimum State Approved Units of Credit
Sophomore	6
Junior	12
Senior	18

Extracurricular Activity Participation

A student may participate in extracurricular activities at the beginning of the school year only if the student has earned the appropriate state credit.

Number of Years Completed in High School	Number State Credits At Beginning of School Year
1	5
2	10
3	15

District Guidelines for Award of Grade Points

1. Grade points are awarded for any high school course successfully completed. Grade points are determined by the level at which the course is taken.
2. All high school credit courses taken in Fort Bend ISD Summer School or Evening School receive regular/on-level points on the GPA scale with the exception of identified Pre AP/AP courses that may be offered.
3. All high school credit courses taken in summer school programs outside of Fort Bend ISD receive regular/on-level points on the GPA scale unless otherwise designated by the sending program.
4. Online learning course credit, credit by exam, and night school course credit receive regular/on-level points on the GPA scale unless otherwise designated.
5. High school courses taken through credit by exam with no prior instruction are awarded credit and grade points. A student must earn a grade of 80 percent or more on each exam in a subject area to be awarded a .5 unit of credit and grade points.
6. Off Campus Physical Education receives regular/on-level points on the GPA scale.

Grade Point Scale

(Classes of 2016, 2017, 2018)

Grade	Pre AP/AP/Honors/Beyond AP	All Other Courses
A	6	5
B	5	4
C	4	3
D	3	2
F	0	0

The NEW 100 Point GPA Scale

(Class of 2019 and Beyond)

The new GPA system is referred to as a 100 Point Scale. With this system, the 100 point scale is calculated by adding all of the semester averages earned by a student and dividing by semesters attempted. The 100 point scale can be converted to the Four Point Scale which is the most common scale for college admissions, NCAA and scholarship applications. In addition, the weighted grade point system was also revised beginning with the Class of 2019. The changes are reflected in the chart:

Advanced Placement (AP)/Beyond AP Courses	Pre AP, Honors Courses, Dual Credit Courses	On Level Courses
Receives 10 point weight	Receives 5 point weight	Non-weighted

Example of a high school student's grades:

Physics (on level) 86 = 86 points
 English III AP 94 = 104 points
 US History Dual Credit 84 = 89 points
 Athletics 100 = 100 points
 Choir 100 = 100 points
 Pre-Cal Pre-AP 86 = 91
 Journalism 94 = 94
 Total points = 664 points divided by 7 = 94.8571429

Senior Class Rank

All courses recorded on the Academic Achievement Record (high school transcript) shall count toward Grade Point Average (GPA) and Rank in Class (RIC), using the grades received.

1. RIC is determined by the grade point average (GPA) of all high school credit courses taken through the end of the eighth semester. Rank for honor graduation status is determined by the GPA through the end of the third 9 weeks of the senior year.
2. Grade points for other courses taken for high school credit outside of the regular school day or earned through advanced placement exams will be determined according to District guidelines.
3. To be eligible for valedictorian or salutatorian honors, students must be enrolled for their sixth and seventh semesters in a District high school, and graduate in no fewer than eight regular semesters.
4. To be eligible for graduation with honors, a student shall:
 - a. complete the designated program for their cohort and
 - b. present grades for all required courses prior to the established date for calculating rank-in-class (RIC); and
 - c. be enrolled for their last two semesters in a District high school.

GPA-Exempt Courses

Fort Bend ISD encourages all students to pursue their areas of special skills and interests in order to enrich their academic achievement and to foster continued student participation in four-year, co-curricular programs. Starting with the class of 2017 (freshman during 2013-2014 year), FBISD will allow juniors and seniors to participate in the third and fourth years of the following courses on a GPA-exempt basis:

- Advanced Journalism/Individual Study in Journalism (Newspaper & Yearbook)
- Athletics (not PE)
- Band
- Cheerleading
- Choir
- Color Guard
- Debate/Oral Interpretation
- Dance Team
- JROTC
- Orchestra
- Theatre (Technical Theatre, Theatre Arts, Theatre Production)
- Agriculture, Food and Natural Resources (Specific Jr. and Sr. level courses as approved by campus administration)

An application is required. See counselor for more information.

SCHEDULE CHANGE POLICY

Fort Bend ISD is pleased to be able to offer a wide variety of programs and courses for our students. Master schedules change from year to year and are developed in the spring prior to the upcoming year based on courses requested by students. Selections made during course registration indicate how many teachers and sections will be needed for a course. This process allows administrators to plan and to hire for optimum academic strength. When students are permitted to randomly change schedules, teachers and classrooms are not effectively utilized. As a result, all students are affected. Very seldom does a single course change affect only one course. Careful selections benefit everyone. Thank you for being a crucial part of our educational team as we work together for academic excellence.

ONLINE COURSE SELECTION

- Parent and student informational meetings will be held during spring registration.
- Students will be guided through course selection during classroom presentations by counselors.
- Students who do not submit a Course Selection Worksheet and/or do not register online will have a schedule arranged for them by their counselor according to their academic needs and/or graduation plan. (This may also apply to students who select a course that is not available for the following year on their campus.)

CHANGE DATES

- The last day for students to make changes to the courses they selected will be June 2, 2016.
- No elective course changes will be made after June 2, 2016.
- A student who does not submit course selections electronically online via Skyward Family Access and does not submit a Course Selection Worksheet by the last day of the 2015-2016 school year will not be eligible for a schedule change.

GUIDELINES FOR CHANGES

Schedule Pick-up Through First Week of School

During schedule pick up and through the first week of school, only the schedule changes listed in this section will be considered. No elective changes will be made. Learners must submit a Schedule Change Request Form at their campus for any of the following issues:

- Missing a class period
- Prerequisite for course not met
- Need to retake a failed course
- Add/Drop UIL Activity
- Add Office Aide/Teacher Aide
- Course completed/credit earned via summer school, CBE, etc.
- Need a course required for graduation (SENIORS only)
- Course requested for DAP is not on schedule-(SENIORS only)

End of First Three Weeks

Requests to level down will be considered after the first three (3) weeks of school and only if space is available in the new class. No elective changes will be made. Learners must complete and submit a Level Change Form and complete the level change process. Level changes will be approved based on local policy and any procedures included in the program guide. The grade earned in the current class will be the grade the learner begins with in the new class. Requests for same level moves such as a move to a different teacher or class period will not be approved.

End of First Semester

At the end of the first semester, requests to level down for the spring semester will be considered if space is available in the new class. No elective changes will be made. Learners must complete and submit a Level Change Form. The grade earned in the current class will be the grade posted to the first semester transcript at the level earned (i.e. Pre AP, AP). If a level down is approved for the second semester, that semester's grade would be posted at the appropriate level. Requests for same level moves will not be taken, such as a move to a different teacher or class period.

A Second Semester, One-Semester Course

For a one-semester course that begins second semester, a level down request will be considered after the third week of the class if space is available in the new class. No elective changes will be made. Students must complete and submit a Level Change Form and complete the level change process. Level changes will be approved based on local policy and any procedures included in the program guide. The grade earned in the current class will be the grade the student begins with in the new class. Requests for same level moves will not be approved without extenuating circumstances.

SPECIALIZED PROGRAMS

Gifted and Talented Program

Students referred for Gifted and Talented (GT) services will be tested during the fall of each year. Referred students are tested for services to begin the following school year. Students who are identified as needing GT services are grouped together in classrooms with teachers trained in gifted education. Teachers differentiate the curriculum to meet the needs of their identified GT students in their subject areas of identification. GT services are provided in English/Language Arts, Mathematics, Science, and Social Studies in Pre AP and AP courses.

AVID

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success, and it is scheduled during the regular school day as a year-long course. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth. The middle schools currently offering AVID are Crockett, Hodges Bend, McAuliffe, Missouri City, and Sugar Land. The high schools currently offering AVID are Bush, Elkins, Hightower, Kempner, Marshall, Travis, and Willowridge. Students must complete an application and interview with approval by a campus committee in order to be admitted into the AVID Elective Program.

Summer School

Summer school offers opportunities for students to take remedial courses and/or courses for original credit. Information will be available in the counselors' office after spring break. For additional information please visit the Fort Bend ISD website after spring break at www.fortbendisd.com.

Progressive High School (PHS)

Progressive High School provides high school students ages 16-21 an opportunity to earn a diploma in an alternative setting. Students must have 7 credits in order to be considered for PHS fall admission. Students attend classes daily. Admission to PHS is by application only. Transportation is provided. For more information contact the home campus counselor or assistant principal.

Evening High School

The Evening High School Program is designed to provide an additional opportunity for students to earn remedial credits toward a high school diploma. For information contact your counselor. The Evening High School Program is located on the Progressive High School campus. Registration approval must be obtained from the home campus counselors' office. There is a registration fee for each semester course. Partial fee reductions are available for students who qualify for free or reduced lunch.

Destination ImagiNation

Offered at every grade level, based on student interest, participation and funding, this international program uses team-based creative problem solving to teach life skills and expand the imagination. Teams of five to seven members meet with their volunteer coach in an after school setting. From October through February teams work to solve a specific problem and prepare to present their solution in a late winter/early spring competition.

Enrichment Programs

Parents may choose to enroll their child in an enrichment program outside of FBISD such as a course, camp, or study trip. Some programs advertise credit for their enrichment activities. However, course credit cannot be accepted by FBISD unless the program meets state and FBISD objectives. If students are seeking course credit, parents should seek prior approval through their school before participation in any enrichment programs.

Enrichment Opportunities

A predictor for academic success in high school is students' participation in enrichment opportunities. Although they may vary from campus to campus, many Fort Bend ISD students may become involved in the following enrichment activities:

- Academic Octathlon (9th and 10th grade)
- Academic Decathlon (9th through 12th grade)
- Destination Imagination
- UIL competitions – academics, art, music, dance, speech/debate, theatre, and athletic
- SAT and PSAT preparation seminars
- National Merit Review Program
- Literary Contests
- Numerous campus clubs, organizations, and activities
- Career and Technology Competitions
- Youth Leadership
- Youth Expanding Service (YES) Program
- Science Fair
- National History Day

Pre AP/AP Courses

Fort Bend ISD offers a variety of courses aligned to the College Board Advanced Placement (AP) program. The District encourages students to complete one or more AP courses before graduation to prepare for success in post-high school programs. The Pre AP/AP program is designed to develop college readiness. Beginning in 6th grade, highly motivated students may take Pre AP courses. These courses are academically challenging, fast-paced and require more independent learning than on-level classes. In high school students may take AP courses and the associated AP exams. Costs are associated with these exams. Scores of 3 or higher on the exam can provide college credits.

Middle school Pre AP courses are offered in:

English Language Arts
Math
Science
Social Studies

High school Pre AP and AP courses are offered in:

English Language Arts
Math
Science
Social Studies
World Languages
Fine Arts
Computer Science

Other factors to consider include the following:

- Pre AP courses are designed to prepare students for AP coursework, but they are not a prerequisite for enrolling in most AP courses. Some AP courses do have specific prerequisites. Check each course description for any prerequisites.
- Pre AP/AP is not "all or nothing." Students may enroll in as many or as few Pre AP/AP courses as they choose.
- For most courses, it is possible to move from on-level to Pre AP/AP sections from one year to the next. In math, it is more challenging due to the acceleration of the curriculum in 6th and 7th grades. Additional support may be needed to support the transition to Pre AP math in middle school.
- Due to the challenging nature of Pre AP/AP coursework, students may initially experience a drop in grades. Successful completion of coursework is generally defined as earning a C or higher as a semester average.
- Additional support and encouragement is important to help sustain student participation in rigorous classes.
- Due to curricular differences between on-level and Pre AP/AP classes, students should start each semester in Pre AP/AP and not seek entry into the more advanced classes after the beginning of the course. Exceptions require principal approval.

Guidelines for Exiting a Pre AP/AP Course

Exit processes are necessary to assist students in making sound course selection decisions. Students and parents must be aware that, depending on the timeline, grades earned in Pre AP or AP courses follow the student to the corresponding on-level course. These grades will be included in calculating the on-level course grade and may impact UIL eligibility.

1. Students are expected to seek support when needed to be successful in a Pre AP/AP course. Actions taken should include tutorials and conferencing with the teacher.
2. Students must submit a formal request to be exited from a Pre AP or AP course. This request will be reviewed by the teacher and campus designee(s) to consider student performance, availability of space in other courses, grading timelines, and other factors that may be at issue. Students experiencing success (maintaining a C or better for the semester) should remain in the class for the semester.
3. Students who earn an F in a Pre AP/AP course at the end of a grading period may be removed from the class unless otherwise recommended by the teacher and administrator. Students assigned to DAEP may lose their Pre AP/AP class.
4. Students who elect to take an AP class for which there is no academic equivalent will be required to remain in the course until the end of the semester. (Credit and grade points will be assessed on each semester.) Options for credit for AP courses with no academic equivalent which fulfill a graduation requirement may be limited and may negatively impact the student.

Special Education

The special education department offers identified students with disabilities opportunities to develop abilities in the least restrictive environment. Locally developed courses with significant content modifications are available for students with disabilities who demonstrate significant cognitive delay and whose needs cannot be met through state approved courses. The course sequence for special education students is determined by the ARD committee as the graduation plan for each student is developed.

Section 504 of the Rehabilitation Act of 1973

It is Fort Bend ISD's responsibility to identify and evaluate students who, within the intent of the Rehabilitation Act of 1973, Section 504 need accommodations or related aides and services in order to access a free and appropriate public education. A student who may need accommodations or specialized instruction within the intent of Section 504 may be one who:

- Has a physical or mental impairment that substantially limits one or more major life activities;
- Has a record of such impairment; or
- Is regarded as having such an impairment.

Parents who believe that they have a child who may qualify for accommodations or services should contact your child's school counselor or the campus 504 coordinator.

Dyslexia and Related Disorders

If a child is experiencing reading, writing, or spelling difficulties, the parent should first contact the child's teacher. Further concerns should be brought to the attention of the 504 campus coordinator, school counselor or principal for information on the District's Dyslexia program, and information regarding appropriate testing for reading disorders. Copies of the FBISD Dyslexia Procedures and the Texas State Dyslexia Handbook in English and Spanish are available to parents in each campus library. Additionally, both are available on the FBISD website at <http://fortbendisd.schoolwires.net/Page/555Students>

English as a Second Language

For students who qualify, a comprehensive program in English as a Second Language (ESL) is available. The ESL program provides structured language instruction designed to teach English to students whose English language skills are limited. ESL instruction considers students' learning experiences and cultural backgrounds. ESL is taught through second language methods for teaching proficiency in listening, speaking, reading, and writing in English.

ESOL - English for Speakers of Other Languages

ESOL I and II may be substituted for English I and II for students with limited English proficiency who are at the beginning or intermediate levels of English language proficiency.

Online/Distance Learning Course Guidelines

Online/Distance learning is the use of technology to overcome time, distance, and other barriers to address the needs of students and educators. Approved online providers in FBISD include Texas Tech University (TTU), University of Texas (UT), and the Texas Virtual School Network (TxVSN). Students may also enroll in FBISD's online learning program (Edgenuity). Each of these programs requires an application and prior approval.

Limitations:

- Counselor approval is required for all online courses.
- Students may not take an online course which requires a State of Texas Assessment of Academic Readiness (STAAR) End of Course (EOC) exam. EOC courses include Algebra I, Biology, English I, English II, and U.S. History.

- A student may earn a maximum of two (2) high school credits through online/distance learning for original credit. This limitation does not apply to distance learning courses offered on campus (Edgenuity). This limitation also does not apply for courses taken for credit recovery.
- A student may be enrolled in only one online/distance learning course at a time unless there are extenuating circumstances approved by the campus principal and/or designee.
- All pre-requisite and grade level requirements apply.

Deadlines:

- High school seniors must complete courses taken through an online provider and submit the grade report(s) by the end of the fall semester of the year in which graduation is sought. If a course required for graduation has not been completed by the first day upon return from winter break, the student shall automatically be enrolled in the course on campus.
- Students will be required to complete online/distance learning courses (course work and final exam) within deadlines set by the vendor.
- Students will be given credit for courses taken through an online provider after a copy of the official grade report is submitted by the provider to the principal or designee.

Other Requirements:

- Final exams for online/distance learning courses are required to be taken on district premises in the presence of a district administrator or designee.
 - Courses taken through an online provider will be included in calculating students' grade point averages (GPA) in accordance with FBISD grading and reporting guidelines. Courses will be awarded grade points consistent with the grade points specified for the course as offered in the District.
 - All supplies, materials, textbooks, and fees are the responsibility of the student/parent.
- All courses taken via an online provider may impact UIL/NCAA eligibility in accordance with FBISD rules and regulations and will be reported to the campus each marking period.

OTHER SERVICES

Campus Student Services

School counselors, licensed specialists in school psychology, school social workers, safe and drug free schools counselors, advocates, and nurses provide specialized services to students at each campus. Services include consultation to teachers, administrators, and parents, individual and group counseling, guidance services, and evaluation of a student's social/emotional, behavioral, physical, and academic functioning.

Response to Instruction and Intervention (RTI) and the Instructional Support Team (IST)

Response to Instruction and Intervention (RTI) is a framework for providing assistance and support to students who are experiencing significant barriers to successful learning. Many times the barriers are academic in nature, and at other times they are more

emotional or behavioral. The RTI approach provides research-based interventions, designed to meet the student's identified needs. Interventions are implemented in increasing levels of intensity, as needed, until the student experiences success.

The first level (Tier 1) includes good instructional strategies that all students receive. Tier 2 involves additional supports for individual or small groups of students that a classroom teacher implements when a need is observed. Typically, when a teacher needs more ideas for interventions, a request is made for assistance from the Instructional Support Team (IST) at the campus. The IST consists of teachers, administrators, and support staff who meet to brainstorm possible solutions and strategies to use for the student. The interventions that result from an IST meeting are more intense than those previously used and are referred to as Tier 3 interventions.

ASSESSMENT PROGRAMS

Students in FBISD participate in a variety of assessment programs. These include national, state, and locally developed tests used to assess student achievement. At the state level, the State of Texas Assessment of Academic Readiness (STAAR) program includes students in grades 3-8 and five high school courses.

High School STAAR End of Course Requirements

- Applies to students who first entered grade 9 beginning in the fall of 2011 or later
- Students are required to take STAAR End of Course (EOC) tests in each of the following subjects and meet the satisfactory achievement standards.
 - English Language Arts – English I, English II
 - Math – Algebra I
 - Science – Biology
 - Social Studies – U.S. History
- EOC's are offered in May, December, and July.
- Students served by special education and who meet specific participation requirements may be given STAAR-Alternate. The ARD committee determines which test is appropriate for the student.
- A linguistically accommodated version of STAAR (STAAR-L) will be available to qualifying, recent immigrant students for the mathematics, science and social studies assessments.

Credit by Exam With No Prior Instruction

At the high school level, Credit by Exam (CBE) with no prior instruction allows the student to obtain credit for core academic courses. (This option is available only one time for each course.) Award of credit for courses is given if student scores 80 or above on the exam (if administered by semester, average of two exams to meet or exceed 80). Students may use credit by examination to fulfill their course requirements and the score on the CBE will be entered on the transcript. Exams for all academic courses are coordinated through the Testing Department. Credit by Exam for World Languages will be offered for only Levels 1, 2, and 3 as tests are available for the following languages: ASL, Chinese, French, German, Japanese, Latin, and Spanish. All test administration information will be available on the Testing page of the district website. Letters describing the CBE process, the difference between With Prior Instruction and No Prior Instruction, study guides, and applications will be available on the district website. Course credit earned through credit by exam will not be recognized by NCAA. Students will be awarded regular grade points for credit received through Credit by Exam. However, only passing grades (80 or above) are recorded. Students who are interested in earning credit by examination should see their counselor for approval, or call the Testing Department at 281-634-1404.

Texas English Language Proficiency Assessment System (TELPAS)

Based on the No Child Left Behind (NCLB) mandates, the TELPAS requires teachers of Limited English Proficiency (LEP) students to rate these students according to indicators set by the state in the following domains of English language in Grades K – 12: reading, writing, listening, and speaking.

Based on state law and State Board of Education rules, all students in grades 2 – 12 who are identified as LEP will take the TELPAS reading test. This includes LEP students whose parents have denied the program. LEP students served through special education will also participate unless their admission, review, and dismissal (ARD) committee exempts them on the basis that their disability prevents appropriate measurement in one or more domains. LEP students will participate until they meet the English Proficiency exit criteria.

Validation Testing (Credit By Exam With Prior Instruction)

Students who have previous formal instruction and do not have credit in a course may earn credit by taking an approved examination. Students must have made at least a 60 in the course to take a CBE. This option is available only one time for each course. Only two credits may be earned toward graduation through this method, with the exception of World Language courses. Students must score a 70 or above to receive credit, but it may not be used to gain UIL eligibility. There is a fee for these examinations. Students from nonaccredited high schools and home schooling environments will be administered validation tests for the award of credit. These students may exceed the two unit limit. The grade on the validation test will be recorded on the transcript. Grade points will be awarded as determined by District guidelines. Students who are interested in earning credit by examination should see their counselor for approval and confirmation.

COLLEGE AND CAREER READINESS

Fort Bend ISD College and Career Readiness

College & Career Readiness Centers and Advisors – Fort Bend ISD is fortunate to provide all the help necessary for postsecondary planning including college searches, financial aid, and SAT/ACT testing. Helping students achieve their dreams is what we're about! Whether you're a freshman just beginning to explore what to do after high school, or a senior researching the various scholarships and grants available to pay for that specialized certification/training program or college degree, we have the resources to help. Each high school has a CCR Center and Advisor and are open during the school day. They are available to ALL students and parents are welcome too!

www.fortbendisd.com/departments/academics/college-career

CCRC Twitter Accounts	HHS @HHS_Canes
AHS @weraustingocntr	KHS @LcampbellKHS
BHS @broncogoccr	MHS @TMHS_CCR
CHS @CHSCCRCenter	RPHS @RPHS_CCR
DHS @vikes4thefuture	THS @Tracks4Tigers
EHS @CCRElkinsHS	WHS @Eaglepathways



NAVIANCE

Naviance is a comprehensive college and career readiness solution for middle and high school students connecting academic achievement to post-secondary goals. Here are just a few of the many things Naviance can do for students:

Self-Discovery & Student Assessments

Through self-discovery and collaboration with parents, teachers and school counselors, Naviance enables students to find college and career pathways that are right for them.

Career Exploration

The career planning and assessment tools in Naviance allow students to realize their strengths, goals, skills, knowledge, values, constraints, and interests in future careers, to help them make better academic decisions.

College Planning

Naviance makes college research easy. Students can compare colleges and universities, explore scholarship opportunities, and track the status of supporting application documents (transcripts and letters of recommendation).

Zero In on College and Career Goals

- Attend college nights and financial planning nights
- Begin visiting college campuses
- Become aware of admission policies for college
- Assess your interests
- Explore in-depth career web sites, job responsibilities and academic requirements for specific careers
- Be on track for PSAT, PLAN, SAT, ACT testing
- Ask your counselor about taking an interest inventory (free) to help discover career possibilities.
- ASK QUESTIONS!!

Top Ten Gets You In

The Texas public college or university of your choice must automatically admit you if 1) your grade point average places you in the top 10 percent of your high school class;* 2) you apply no later than two years after graduating from a Texas high school; 3) you submit a completed application before the expiration of any filing deadline established by the college, and 4) you've completed the Recommended High School Plan, the Distinguished Achievement Plan, or the Distinguished Level of Achievement (Foundation Program). Colleges and universities may also require an essay, letters of recommendation, admissions and placement tests, fees, and an official high school transcript. For more information, please check with your high school counselor, CCR advisor, or an admissions officer at the college or university you wish to attend. *(Top 7% for UT beginning fall 2014)

Texas Success Initiative (TSI)

The TSI assessment is required for freshmen entering any Texas public community college or university. This program consists of identified tests (which measure competency in English/language arts and mathematics). Students may be exempt from the TSI by scoring well on identified EOC assessments, SAT, or ACT. Refer to the TSI website for more information. <http://www.thecb.state.tx.us>

Scholastic Aptitude Test (SAT) and American College Test (ACT)

The SAT and ACT are national tests used by many colleges as entrance requirements. They consist of components in reading, writing, and math. (The ACT also includes sections on scientific reasoning.) Fort Bend ISD offers students access to these programs and various methods to prepare for them.

Preliminary Scholastic Aptitude Test (PSAT)

Fort Bend ISD administers the PSAT 8/9 to all 8th and 9th grade students and the PSAT/NMSQT to all 10th and 11th graders on National Testing Day (mid-October each year). Both assessments are aligned with the SAT and provide students with critical preparation and practice for the SAT which is used to determine college readiness and is considered in many scholarship and college admission decisions. The PSAT/NMSQT provides high-scoring juniors National Merit and other scholarship opportunities. College Board has partnered with Khan Academy (www.satpractice.org) to provide free online test prep opportunities for all students. Students can access a personalized practice plan at Khan Academy based on their unique PSAT results. Please see your school counselor or college and career advisor for more information.

COLLEGE AND CAREER READINESS

Dual Credit

The Dual Credit program allows eligible high school students residing in either the Houston Community College (HCC) or Wharton County Junior College (WCJC) service area to take college credit courses. Students can earn college credit by taking college classes offered at their high schools or any HCC or WCJC campus. In addition to college credit, students may earn credit toward their high school graduation requirements by completing dual credit courses.

Eligibility

High school students may co-enroll in HCC or WCJC courses once they have:

- Received permission from their parent/guardian and high school counselor and principal
- Passed the appropriate sections of state approved college readiness assessment test administered by HCC, WCJC, or submitted acceptable exemption scores on the ACT, PLAN, SAT, PSAT, or TSI.
- College courses taken through dual credit programs are subject to tuition fees and other costs that may include textbooks and specified resources.

- Can I Take Dual Credit? Student Guide College Credit Course Options

1. Dual Credit

- a. Dual credit is earned when students complete college credit courses with acceptable grades, gain approval of their high school, and use these college credit courses to satisfy high school graduation requirements.
- b. Each school district determines which college credit courses they will accept as dual credit and how students will satisfy high school graduation requirements. It is important to check with your high school counselor for the most current list of approved dual credit courses.

2. Co-enrollment or Concurrent Classes

- a. A student may enroll in a college credit course and receive only the college credit for that course. Students may take any HCC or WCJC course for which they meet the academic skills requirements and course pre-requisites. An HCC or WCJC advisor can help you determine if you meet the requirements for a specific course.

If you are interested in earning college credit while in high school, please see your counselor.

Career and Technical Education

In the elective courses called career and technical courses, students prepare for college and careers. A sequence of courses may move a student from grade 9 through an associate degree program or beyond. Agreements developed with local colleges provide college credit for courses taken in high school if students pursue that course of study in college. After high school graduation, students who have completed a series of courses will have three options: (1) continuing their education in a four-year college using their skills to help pay the cost; (2) continuing their education in a technical or community college while using their skills to help pay the costs; or (3) becoming immediately employed and postponing further education for a few years. Students and parents needing more information are encouraged to contact the career and technical coordinators at 281-634-1098 or their high school counselor.

NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA)

 For more information, check the NCAA website
www.eligibilitycenter.org
Core Courses

- **NCAA Division I and II require 16 core courses**
- **NCAA Division I will require 10 core courses to be completed prior to the seventh semester** (seven of the 10 must be a combination of English, math or natural or physical science that meet the distribution requirements below). These 10 courses become “locked in” at the seventh semester and cannot be retaken for grade improvement to meet initial eligibility requirements for competition.
 - Beginning August 1, 2016: it will be possible for a Division I college-bound student-athlete to still receive athletics aid and the ability to practice with the team if he or she fails to meet the core-progression course requirements, by meeting academic redshirt status (see NCAA website for full details).

Test Scores

- **Division I** has a sliding scale for test score and core grade-point average.
- **Division II** has a minimum SAT score requirement of 820 or an ACT sum score of 68. (sliding scale begins August 2018)
- The SAT score used for NCAA purposes includes only the critical reading and math sections. **The writing section of the SAT is not used.**
- The ACT score used for NCAA purposes is a sum of the four sections on the ACT: English, math, reading and science.
- **All SAT and ACT scores must be reported directly to the NCAA Initial-Eligibility Clearinghouse by the testing agency. Test scores that appear on transcripts will no longer be used. When registering for the SAT or ACT, use the clearinghouse code of 9999 to make sure the score is reported to the clearinghouse.**

Grade-Point Average

- **Be sure** to look at your high school’s List of NCAA Courses on the NCAA Eligibility Center’s website (www.eligibilitycenter.org). Only courses that appear on your school’s List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- **Division I** students enrolling full time **before August 1, 2016**, should use Sliding Scale A to determine eligibility to receive athletics aid, practice and competition during the first year.
- **Division I** GPA required to receive athletics aid and practice **on or before August 1, 2016**, is 2.000.
- **Division I** GPA required to be eligible for competition **on or after August 1, 2016**, is 2.300.
- **The Division II** core GPA requirement is a minimum of 2.000.
- **Remember**, the NCAA GPA is calculated using NCAA core courses only.

DIVISION I - 16 CORE-COURSE RULE
16 Core Courses:

- 4 years of English
- 3 years of mathematics (Algebra I or higher)
- 2 years of natural/physical science (1 year of lab if offered by high school)
- 1 year of additional English, mathematics or natural/physical science
- 2 years of social science
- 4 years of additional courses (from any area above, world language or comparative religion/ philosophy).

DIVISION II - 16 Core Courses:

- 3 years of English
- 2 years of mathematics (Algebra I or higher)
- 2 years of natural/physical science (1 year of lab if offered by high school)
- 3 years of additional English, mathematics or natural/physical science
- 2 years of social science.
- 4 years of additional courses (from any area above, world language or comparative religion/ philosophy).

Internet, Distance Learning, Independent Study

Courses that are taught through distance learning, online, credit recovery, etc. need to be comparable in length, content and rigor to courses taught in a traditional classroom setting. Students may not skip lessons or test out of modules. These courses may satisfy NCAA core-course requirements if all of the following conditions are satisfied:

- The course meets all requirements for a course as defined by Bylaw 14.3.1.2;
- The instructor and the student have ongoing access to one another for purposes of teaching, evaluating and providing assistance to the student throughout the duration of the course;
- The instructor and the student have regular interaction with one another for purposes of teaching, evaluating and providing assistance to the student throughout the duration of the course;
- The student’s work (e.g., exams, papers, assignments) is available for evaluation and validation;
- Evaluation of the student’s work is conducted by the appropriate academic authorities in accordance with the high school’s established academic policies;
- The course includes a defined time period for completion;
- The course is acceptable for any student and is placed on the high school transcript.

* Currently, courses taken through Edgenuity do not meet NCAA eligibility guidelines

Free NCAA/NAIA/JUCO Eligibility and Recruiting Webinar -
www.thsca.com

SPECIAL EDUCATION GRADUATION REQUIREMENTS

Special Education Graduation Requirements

The secondary program of a student receiving special education services shall terminate either with graduation or when the student no longer meets the age requirement for eligibility in the Texas Education Code (TEC), §29.001 and §29.003. A student receiving special education services who is younger than 22 years of age on September 1 of a scholastic year shall be eligible for services through the end of that scholastic year or until graduation, whichever comes first.

Graduation with a regular high school diploma terminates a student's eligibility for special education services under the Individuals with Disabilities Education Act of 2004.

A student receiving special education services may graduate and be awarded a regular high school diploma if:

- (1) A student who has satisfactorily completed credit and curriculum requirements applicable to students in general education as specified in 19 TAC Chapter 74 and passed the required exit-level assessment may graduate under the MHSP, the RHSP or the DAP as outlined in 19 TAC Chapter 74 (19 TAC §89.1070(b)(1)) or Foundation High School Program: TAC Chapter 74.1021, revised December 16, 2013, TAC 74.12 including TAC §89.1070(b)(1) for students receiving special education services, revised August 1, 2002, for students who entered grade 9 in 2014-2015 and thereafter or entered grade 9 prior to the 2014-2015 school year and opted to graduate under the Foundation High School Program.
- (2) A student who has satisfactorily completed credit and curriculum requirements for students in general education and participates in required assessments may graduate under the appropriate graduation program. The student's ARD committee must determine whether satisfactory performance on a required state assessment shall also be required for graduation (19 TAC §89.1070(b)(2)).
- (3) A student may graduate under the appropriate graduation program by satisfactorily completing credit and curriculum requirements for students in general education or the curriculum requirements to the extent possible as determined by the student's ARD committee, participating in required assessments as determined appropriate by

the ARD committee, and fulfilling other requirements outlined in the IEP including one of the following:

(a) full-time employment and sufficient self-help skills to maintain employment without direct and ongoing support from the school district; (b) demonstration of specific employability and self-help skills that do not require direct ongoing support from the school district; or (c) access to services that are not within the legal responsibility of public education or to employment or educational options for which the student has been prepared by the academic program (19 TAC §89.1070(c)).

- (4) A student may graduate under the MHSP if the student's ARD committee determines that the student no longer meets age eligibility requirements and has completed the requirements specified in the IEP (19 TAC §89.1070(d)).

All students graduating under this section shall be provided with a summary of academic achievement and functional performance as described in 34 Code of Federal Regulations (CFR), §300.305(e)(3). This summary shall consider, as appropriate, the views of the parent and student and written recommendations from adult service agencies on how to assist the student in meeting postsecondary goals. An evaluation as required by 34 CFR, §300.305(e)(1), shall be included as part of the summary for a student graduating under subsection (c) of this section.

Students who participate in graduation ceremonies but who are not graduating under subsection (c) of this section and who will remain in school to complete their education do not have to be evaluated in accordance with subsection (e) of this section.

Employability and self-help skills referenced under subsection (c) of this section are those skills directly related to the preparation of students for employment, including general skills necessary to obtain or retain employment.

For students who receive a diploma according to subsection (c) of this section, the ARD committee shall determine needed educational services upon the request of the student or parent to resume services, as long as the student meets the age eligibility requirements.

GRADUATION REQUIREMENTS
Recommended High School Program

The following plans apply to students entering high school as freshmen in 2012, or 2013.
(Classes of 2016, 2017)

26-Credit Recommended High School Plan

ENGLISH	4
Must consist of English I, II, III, IV (ESOL I and ESOL II may be substituted for English I and II for students with limited English proficiency)	
MATHEMATICS	4
Must include Algebra I, Geometry, Algebra II, and at least one course from the following:	
<ul style="list-style-type: none"> - Math Models with Application – must be completed prior to enrollment in Algebra II - Any math course with Algebra II as a prerequisite - The additional credit may be selected from the following and taken after or concurrently with Algebra II: <ul style="list-style-type: none"> • Engineering Math (CTE) • Mathematical Applications in Agriculture, Food, and Natural Resources (CTE) • Statistics and Risk Management (CTE) 	
SCIENCE	4
Three credits must consist of one biology credit (Biology, Pre AP Biology), one chemistry credit (Chemistry, Pre AP Chemistry), and one physics credit (Physics, Pre AP Physics/AP Physics I).	
One credit from the following:	
<ul style="list-style-type: none"> - IPC – must be complete prior to enrollment in Chemistry and Physics - Lab-based course: Aquatic Science, Anatomy & Physiology, Astronomy, Earth and Space Science, Environmental Systems, AP Biology, AP Chemistry, AP, Environmental Science, AP Physics I, AP Physics II, AP Physics C, Scientific Research and Design, Anatomy and Physiology, Engineering Design and Problem Solving, Medical Microbiology, Pathophysiology, Advanced Biotechnology, Food Science, Forensic Science. 	
SOCIAL STUDIES	4
One credit each of World Geography, World History, U.S. History; one-half credit each of Government and Economics	
WORLD LANGUAGES	2
Must consist of level I and level II of the same language	
FINE ARTS	1
Art, Art History, Band, Choir, Dance, Digital Art and Animation, Music Theory, Orchestra, Principles and Elements of Floral Design, Theatre Arts, 3-D Modeling and Animation	
PHYSICAL EDUCATION	1
May include Athletics or PE.	
SPEECH5
HEALTH5
Fort Bend ISD Board-adopted requirement	
ELECTIVES	5
TOTAL CREDITS	26

State Assessment Performance – Must meet STAAR EOC score requirements.

26-Credit Distinguished Achievement Plan

ENGLISH	4
Must consist of English I, II, III, IV (ESOL I and ESOL II may be substituted for English I and II for students with limited English proficiency)	
MATHEMATICS	4
Must include Algebra I, Geometry, Algebra II, and at least one course from the following:	
<ul style="list-style-type: none"> - Any math course with Algebra II as a prerequisite - Math Models with Application does not satisfy a math credit on the DAP. 	
SCIENCE	4
Three credits must consist of one biology credit (Biology, Pre AP Biology), one chemistry credit (Chemistry, Pre AP Chemistry), one physics credit (Physics, AP Physics I).	
One credit from the following:	
<ul style="list-style-type: none"> - Lab-based course: Aquatic Science, Anatomy & Physiology, Astronomy, Earth and Space Science, Environmental Systems, AP Biology, AP Chemistry, AP, Environmental Science, AP Physics I, AP Physics II, AP Physics C, Scientific Research and Design, Anatomy and Physiology, Engineering Design and Problem Solving, Medical Microbiology, Pathophysiology, Advanced Biotechnology, Food Science, Forensic Science. - IPC does not satisfy a science credit on the DAP. 	
SOCIAL STUDIES	4
One credit each of World Geography, World History, U.S. History; one-half credit each of Government and Economics	
WORLD LANGUAGES	3
Must consist of 3 levels of the same language	
FINE ARTS	1
Art, Art History, Band, Choir, Dance, Digital Art and Animation, Music Theory, Orchestra, Principles and Elements of Floral Design, Theatre Arts, 3-D Modeling and Animation	
PHYSICAL EDUCATION	1
May include Athletics or PE – students may earn no more than 4 credits toward state graduation requirements in PE.	
SPEECH5
HEALTH5
Fort Bend ISD Board-adopted requirement	
ELECTIVES	4
TOTAL CREDITS	26

State Assessment Performance – Must meet STAAR EOC score requirements.

ADVANCED MEASURES	4
Must earn 4 advanced measures from the following categories.	
<ul style="list-style-type: none"> • Assessment Performance – 3 or above on an AP exam; score on PSAT that qualifies for recognition • College Coursework – grade of “B” or better on courses that count for college credit (dual credit) • Original Performance, Research or Project - up to 2 measures may be earned <ul style="list-style-type: none"> - Art: Division I Rating – state visual arts event - CTE: State or National contest winner – CTSO event - Dance: Receive Miss Drill Team USA award - GT Mentorship: Class average of “B” or better - Music: State-level Recognition – Texas All State Band, Choir, Orchestra or Jazz Ensemble Auditions (TMEA); membership in one of the Texas All State musical organizations and performance at the TMEA State Conference Solo Contest (UIL); a Division I rating on a solo at the Texas State Solo and Ensemble Contest - Science: Science Fair Project: 1st, 2nd, 3rd place winner of any category at the Science Engineering Fair of Houston and approved state or national contests - Social Studies: National History Day Project – 1st or 2nd place winner at state or national contest - Speech/Debate: Certified as state finalist speech or a state elimination round competition in debate (KIL and/or TFA) - Theatre Arts: Recipient of “Best Actor/Actress” Award at the regional or state UIL One-Act Play Competition 	

Foundation Graduation Program Overview

(Required for Classes of 2018 and Beyond. Available for Classes of 2016 and 2017.)

Foundation-Only– 22 Credits*

- **4 credits English** – ELA I, II, III, IV one credit in any authorized advanced English course
- **3 credits Mathematics** – Algebra I, Geometry, one credit in any authorized advanced math course
- **3 credits Science** – Biology, IPC/Chemistry/Physics, and one credit in any authorized science course
- **3 credits Social Studies** – US History, Government, Economics, World Geography or World History
- **2 credits World Language or Computer Science**
- **1 credit Physical Education**
- **1 credit Fine Arts**
- **.5 credit Health (FBISD)**
- **.5 credit Speech (FBISD)**
- **4 credits in electives** (may include CTE or certification courses)

* Students may opt to Foundation-only after completing sophomore year with parent and campus approval.

Foundation + Endorsements– 26 Credits

- **4 credits English** – ELA I, II, III, IV one credit in any authorized advanced English course
- **4 credits Mathematics** – Algebra I, Geometry, two credits in any authorized advanced math course
- **4 credits Science** – Biology, IPC/Chemistry/Physics, and two credits in any authorized science course
- **3 credits Social Studies (FBISD)** – US History, Government, Economics, World Geography or World History
- **2 credits World Language or Computer Science**
- **1 credit Physical Education**
- **1 credit Fine Arts**
- **.5 credit Health (FBISD)**
- **.5 credit Speech (FBISD)**
- **6 credits in electives** (may include CTE or certification courses)
- **Credit requirements specific to at least one endorsement**

Distinguished Level of Achievement – 26 Credits

- **4 credits English** – ELA I, II, III, IV, one credit in any authorized advanced English course
- **4 credits Mathematics** – Algebra I, Geometry, Algebra II, one credit in any authorized advanced math course
- **4 credits Science** – Biology, IPC/Chemistry/Physics, and two credits in any authorized science course
- **3 credits Social Studies** – US History, Government, Economics, World Geography or World History
- **2 credits World Language or Computer Science**
- **1 credit Physical Education**
- **1 credit Fine Arts**
- **.5 credit Health (FBISD)**
- **.5 credit Speech (FBISD)**
- **6 credits in electives** (may include CTE or certification courses)
- **Credit requirements specific to a least one endorsement**

Endorsements

STEM	Business/Industry	Public Services	Arts & Humanities	Multidisciplinary Studies
Advanced Science; Technology; Engineering; Advanced Math	ELA Database Management; Information Technology; Communications; Accounting, Finance, Marketing; Graphic Design; Architecture; Construction; Welding; HVAC; Logistics; Automotive Technology; Agricultural Science	Education & Training; Law Enforcement; Culinary Arts & Hospitality; Health Sciences & Occupations JROTC	Social Studies; World Languages; Cultural Studies; History; Fine Arts	Four credits in each of the four core subject areas; Select courses from the curriculum of each of the other endorsement areas; Credits in a variety of advanced courses from multiple content areas

State Assessments Required for Graduation

English I
English II
Algebra I

US History
Biology

Performance Acknowledgements

- **Outstanding performance:** Dual credit coursework; bilingualism/biliteracy; college AP or IB exam; PSAT, ACT-Plan, SAT or ACT
- **Certification:** nationally or internationally recognized business or industry certificate or license
See pages 19-21

PERFORMANCE ACKNOWLEDGEMENTS

(Applicable for students graduating under the Texas Administrative Code §74.14 on the FHSP)

Students may earn performance acknowledgments on the student's Academic Achievement Record or transcript for the following:

- Outstanding performance in Dual Credit coursework by successfully completing:
 - 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 (see page 94); or
 - An Associate degree while in high school.
- Outstanding performance in Bilingualism and Biliteracy:
 - A student may earn a performance acknowledgment by demonstrating proficiency in two or more languages by:
 - 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
 - Satisfying one of the following:
 - Completion of a minimum of three credits in the same language in a Language Other Than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
 - Demonstrated proficiency in the TEKS for level IV or higher in a Language Other Than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
 - Completion of at least three credits in foundation subject area courses in a Language Other Than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
 - Demonstrated proficiency in one or more Languages Other Than English through one of the following methods:
 - Score 3 or higher on an Advanced Placement exam for a Language Other Than English; or
 - Score 4 or higher on an International Baccalaureate 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 of the above subsection, to earn a performance acknowledgment in bilingualism and biliteracy, an English language learner must also have:
 - Participated in and met the exit criteria for a bilingual or ESL program; and
 - Scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).
- Outstanding performance on a college **Advanced Placement test** or **International Baccalaureate examination** by earning:
 - A score of 3 or above on a College Board Advanced Placement examination; or
 - A score of 4 or above on an International Baccalaureate examination.
- Outstanding performance on the PSAT, the ACT PLAN/Aspire, the SAT, or the ACT by:
 - Earning a score on the Preliminary SAT/ National Merit Scholarship Qualifying Test (PSAT/NMSQT) that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognition Program (NHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation; or
 - Achieving the college readiness benchmark score on at least two of the four subject tests on the ACT PLAN/Aspire examination; or
 - Earning a combined critical reading and mathematics score of at least 1250 on the SAT; or
 - A composite score on the ACT exam (without writing) of 28.
- Earning a nationally or internationally recognized business or industry certification or license with:
 - A student may earn a performance acknowledgment with:
 - Performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification; or
 - Performance on an examination sufficient to obtain a government-required credential to practice a profession.
 - 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:
 - A national or international business, industry, or professional organization;
 - A state agency or other government entity; or
 - A state-based industry association.
 - Certifications or licensures for performance acknowledgments shall:
 - Be age appropriate for high school students;
 - Represent a student's substantial course of study and/or end-of-program knowledge and skills;
 - Include an industry recognized examination or series of examinations, an industry validated skill test, or demonstrated proficiency through documented, supervised field experience; and
 - Represent substantial knowledge and multiple skills needed for successful entry into a high-skill occupation.

Endorsement and Pathways

STEM

(SCIENCE, TECHNOLOGY,
ENGINEERING and MATH)
ENDORSEMENT



Are you considering a career in engineering or computer science? Do you enjoy design and problem solving? Are you energized by math and science? If so, the STEM Endorsement is right for you!

Sample career opportunities include:

Robotics Technician	Meteorologist
Computer Programmer	Archeologist
Nuclear Monitoring Technician	Mathematician
Environmental Scientist	Biochemist
Medical Researcher	Microbiologist
Engineer	

	STEM (CTE)		STEM (Math)		STEM (Science)		STEM (Tech Apps)	
ELA	English 1	1	English 1	1	English 1	1	English 1	1
	English 2	1	English 2	1	English 2	1	English 2	1
	English 3	1	English 3	1	English 3	1	English 3	1
	4th English	1	4th English	1	4th English	1	4th English	1
Math	Algebra I	1	Algebra I	1	Algebra I	1	Algebra I	1
	Geometry	1	Geometry	1	Geometry	1	Geometry	1
	Algebra II	1	Algebra II	1	Algebra II	1	Algebra II	1
	Math 4	1	Math 4	1	Math 4	1	Math 4	1
Science	Biology	1	Biology	1	Biology	1	Biology	1
	Chemistry	1	Chemistry	1	Chemistry	1	Chemistry	1
	Physics	1	Physics	1	Physics	1	Physics	1
	Science 4	1	Science 4	1	Science 4	1	Science 4	1
SS	W Geo/W Hist *	1	W Geo/W Hist *	1	W Geo/W Hist *	1	W Geo/W Hist *	1
	US History	1	US History	1	US History	1	US History	1
	Government	0.5	Government	0.5	Government	0.5	Government	0.5
	Economics	0.5	Economics	0.5	Economics	0.5	Economics	0.5
* The district recommends both World Geography and World History for all students and most 4-year universities require both for admission.								
LOTE	LOTE I	1	LOTE I	1	LOTE I	1	LOTE I	1
	LOTE II	1	LOTE II	1	LOTE II	1	LOTE II	1
Fine Arts	Fine Arts	1	Fine Arts	1	Fine Arts	1	Fine Arts	1
PE	PE	1	PE	1	PE	1	PE	1
Health	Health	0.5	Health	0.5	Health	0.5	Health	0.5
Speech	Prof Com	0.5	Prof Com	0.5	Prof Com	0.5	Prof Com	0.5
Electives	Elective	2	Elective	5	Elective	5	Elective	2
Endorsement Requirements	CTE 1	1	Math 5	1	Science 5	1	Tech Apps 1	1
	CTE 2	1					Tech Apps 2	1
	CTE 3	1					Tech Apps 3	1
	CTE 4	1					Tech Apps 4	1
Total Credits		26		26		26		26

Endorsement and Pathways
STEM ENDORSEMENT PATHWAYS

Courses denoted in **bold** and *italics* are end of program courses

Science Pathway

Science	5 Science credits; inclusive of Biology, Chemistry, Physics and two advanced Sciences
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Math Pathway

Math	5 Mathematics credits total; Inclusive of Algebra I, Geometry, Algebra II, and two additional Mathematics courses for which Algebra II is a prerequisite
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Engineering Pathways+

PATHWAY	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Campus Based	Introduction to Engineering	Principles of Engineering	<i>Engineering Design & Problem Solving</i>	<i>Scientific Research & Design</i>
Tech-Ed Center	Principles of Info Tech OR Gateway to Technology (MS)	Computer Science I	<i>Engineering Design & Presentation *</i>	<i>Advanced Engineering Design & Presentation *</i>

Computer Science Pathways

PATHWAY	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Computer Science – AP Track	PreAP Comp Science I	AP Comp Science OR Comp Science II (H)	Comp Science III (H)	Game Programming (H) OR Comp Science Independent Study (H)
Computer Science	Fundamentals of Computer Science	PreAP Comp Science I	AP Comp Science OR Comp Science II (H)	Game Programming (H)

* Denotes courses that are offered at the Technical Education center
 CTE course names are subject to change in 2017 – 2018 due to TEA changes.

Endorsement and Pathways
**BUSINESS AND
INDUSTRY
ENDORSEMENT**


The Business and Industry Endorsement covers a wide variety of career options. If your interests lie in agriculture, business, accounting, marketing, architecture, broadcasting, information technology, digital graphics or design, then the Business and Industry Endorsement will meet your expectations.

Sample career opportunities include:

Accountant	Commercial Pilot
Agriculture Equipment Operator	Economist
Construction Manager	Baker
Aircraft Controller	Electrician
Architect	Plumber
Interior Designer	Chef
Human Resource Manager	

	Business and Industry (CTE /Tech Apps)		Business and Industry (ELA)	
ELA	English 1	1	English 1	1
	English 2	1	English 2	1
	English 3	1	English 3	1
	4th English	1	4th English	1
Math	Algebra I	1	Algebra I	1
	Geometry	1	Geometry	1
	MMA/Algebra II *	1	MMA/Algebra II *	1
	Algebra II */Math 4	1	Algebra II */Math 4	1
Science	Biology	1	Biology	1
	IPC/Chemistry/Physics	1	IPC/Chemistry/Physics	1
	Science 3	1	Science 3	1
	Science 4	1	Science 4	1
SS	W Geo/W Hist *	1	W Geo/W Hist *	1
	US History	1	US History	1
	Government	0.5	Government	0.5
	Economics	0.5	Economics	0.5
LOTE	LOTE I	1	LOTE I	1
	LOTE II	1	LOTE II	1
Fine Arts	Fine Arts	1	Fine Arts	1
PE	PE	1	PE	1
Health	Health	0.5	Health	0.5
Speech	Prof Com	0.5	Prof Com	0.5
Electives	Elective	2	Elective	2
Endorsement Requirements	CTE 1 / Tech Apps 1	1	ELA Elective 1	1
	CTE 2 / Tech Apps 2	1	ELA Elective 2	1
	CTE 3 / Tech Apps 3	1	ELA Elective 3	1
	CTE 4 / Tech Apps 4	1	ELA Elective 4	1
*Algebra II is required for distinguished; FBISD recommends both World History and World Geography				
Total Credits		26		26

Endorsement and Pathways
BUSINESS AND INDUSTRY ENDORSEMENT PATHWAYS

 Courses denoted in **bold** and *italics* are end of program courses

English Language Arts Pathways

PATHWAY	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Journalism/Yearbook	Journalism OR Photojournalism †	Yearbook Production I †	Yearbook Production II †	Yearbook Production III †

† This course does not replace English I, II, or III, which are graduation requirements. This course must be taken in addition to an English I, II, or III course.

PATHWAY	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Debate	Debate I †	Debate II †	Debate III †	English IV ††

† This course does not replace English I, II, or III, which are graduation requirements. This course must be taken in addition to an English I, II, or III course.

†† English IV, English IV-AP, and English IV-Dual Credit will satisfy this course requirement.

Agriculture, Food & Natural Resources Pathways

PATHWAY	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Animal Science	Principles of Ag, Food & Natural Resources	Wildlife, Fisheries & Ecology Management	<i>Livestock Production</i>	<i>Veterinary Medical Applications</i>
Plant Science	Principles of Ag, Food & Natural Resources	Principles & Elements of Floral Design	<i>Agribusiness Management & Marketing</i>	<i>Horticulture Science</i>
Ag Mechanics	Principles of Ag, Food & Natural Resources	Ag Mechanics & Metal Technologies	<i>Agribusiness Management & Marketing</i>	<i>Ag Facilities Design & Fabrication</i>

Architecture & Construction Pathways

PATHWAY	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Design	Principles of Info Tech OR Principles of Architecture & Construction	Architectural Design	<i>Advanced Architectural Design</i>	<i>Construction Management</i>
Interior Design	Principles of Info Tech OR Principles of Architecture & Construction	Interior Design	Architectural Design	<i>Practicum of Business Management</i>

Arts, A/V & Communications Pathways

PATHWAY	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Video Production	Principles of Arts & A/V	A/V Production	<i>Animation</i>	<i>Advanced A/V Production</i>
Multimedia	Principles of Arts & A/V	Digital & Interactive Multimedia	<i>Animation</i>	<i>Graphic Design & Illustration</i>
Fashion Design	Principles of Human Services OR Principles of Arts & A/V	Fashion Design	<i>Advanced Fashion Design</i>	<i>Practicum of Business Management</i>

 * Denotes courses that are offered at the Technical Education center
 CTE course names are subject to change in 2017 – 2018 due to TEA changes.

Endorsement and Pathways
BUSINESS AND INDUSTRY ENDORSEMENT PATHWAYS

 Courses denoted in **bold** and *italics* are end of program courses

Business / Finance Pathways

PATHWAY	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Business Management	Principles of Business, Marketing, & Finance	Business Information Management	<i>Business Management</i>	<i>Business Law AND Professional Communications OR Practicum in Business</i>
Finance	Principles of Business, Marketing, & Finance	Business Information Management	<i>Banking & Financial Services</i>	<i>Accounting I</i>

Hospitality & Tourism Pathway

PATHWAY	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Hospitality & Tourism	Principles of Business, Marketing, & Finance	Advertising & Sales Promotion AND Sports & Entertainment Marketing	<i>Hospitality Services *</i>	<i>Culinary Arts *</i>

Human Services Pathway

PATHWAY	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Culinary Arts	Principles of Human Services (MS/HS)	Professional Communications AND Lifetime Nutrition & Wellness	<i>Culinary Arts *</i>	<i>Practicum of Culinary Arts *</i>

Marketing Pathways

PATHWAY	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Sports Marketing	Principles of Business, Marketing, & Finance	Business Information Management	<i>Sports & Entertainment Marketing AND Professional Communications</i>	<i>Entrepreneurship</i>
Fashion Marketing	Principles of Business, Marketing, & Finance	Fashion Marketing AND Professional Communications	<i>Entrepreneurship</i>	<i>Practicum in Marketing Dynamics</i>
Sales	Principles of Business, Marketing, & Finance	Advertising & Sales Promotion AND Professional Communications	<i>Entrepreneurship</i>	<i>Practicum in Marketing Dynamics</i>

* Denotes courses that are offered at the Technical Education center
 CTE course names are subject to change in 2017 – 2018 due to TEA changes.

Endorsement and Pathways

PUBLIC SERVICE ENDORSEMENT



Do you love helping people? Have you thought about a career in law enforcement, firefighting, education, health science, the military or government? The Public Service Endorsement provides students with the opportunity to experience coursework in these areas of interest.

Sample career opportunities include:

Teacher	Police Detective
Teacher's Assistant	Principal
Animal Control Worker	Mental Health Counselor
Social Worker	Clinical Psychologist
Fire Fighter	
Private Investigator	

	Public Services (CTE)		Public Services (ROTC)	
ELA	English 1	1	English 1	1
	English 2	1	English 2	1
	English 3	1	English 3	1
	4th English	1	4th English	1
Math	Algebra I	1	Algebra I	1
	Geometry	1	Geometry	1
	MMA/Algebra II *	1	MMA/Algebra II *	1
	Algebra II */Math 4	1	Algebra II */Math 4	1
Science	Biology	1	Biology	1
	IPC/Chemistry/Physics	1	IPC/Chemistry/Physics	1
	Science 3	1	Science 3	1
	Science 4	1	Science 4	1
SS	W Geo/W Hist *	1	W Geo/W Hist *	1
	US History	1	US History	1
	Government	0.5	Government	0.5
	Economics	0.5	Economics	0.5
LOTE	LOTE I	1	LOTE I	1
	LOTE II	1	LOTE II	1
Fine Arts	Fine Arts	1	Fine Arts	1
PE	PE	1	ROTC 1	1
Health	Health	0.5	Health	0.5
Speech	Prof Com	0.5	Prof Com	0.5
Electives	Elective	2	Elective	3
Endorsement Requirements	CTE Elective 1	1	ROTC 2	1
	CTE Elective 2	1	ROTC 3	1
	CTE Elective 3	1	ROTC 4	1
	CTE Elective 4	1		
*Algebra II is required for distinguished; FBI [®] SD recommends both World History and World Geography				
Total Credits		26		26

Endorsement and Pathways
PUBLIC SERVICE ENDORSEMENT PATHWAYS

Courses denoted in **bold** and *italics* are end of program courses

Health Science Pathway

PATHWAY	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Clinical Medicine	Medical Terminology AND Professional Communications	Principles of Health Science	<i>Anatomy & Physiology</i>	<i>Health Science</i>
Clinical Theory	Medical Terminology AND Professional Communications	Principles of Health Science	<i>Medical Microbiology AND Pathophysiology</i>	<i>Counseling & Mental Health</i>

Human Services Pathways

PATHWAY	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Cosmetology	Principles of Human Services	Human Growth & Development	<i>Cosmetology I *</i>	<i>Cosmetology II *</i>
Nutrition	Principles of Human Services (MS/HS) OR Principles of Health Science	Human Growth & Development	<i>Lifetime Nutrition & Wellness AND Professional Communications</i>	<i>Practicum in Human Services</i>
JROTC	JROTC I	JROTC II	JROTC III	JROTC IV

Law Enforcement Pathways

PATHWAY	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Fire Fighting	Principles of Law, Public Safety, Corrections & Security	Law Enforcement I	<i>Fire Fighting I *</i>	<i>Fire Fighting II *</i>
Law Enforcement	Principles of Law, Public Safety, Corrections & Security	Law Enforcement I	<i>Law Enforcement II</i>	<i>Court Systems & Practices</i>

* Denotes courses that are offered at the Technical Education center
 CTE course names are subject to change in 2017 – 2018 due to TEA changes.

Endorsement and Pathways
**ARTS AND
HUMANITIES
ENDORSEMENT**


If you are interested in fine arts, world languages, or social studies, the Arts and Humanities Endorsement is right for you. Students can receive an endorsement by completing 4 credits in band, choir, orchestra, dance, art or theater. Those who are interested in extensive studies in world languages will also earn an endorsement by completing four credits through languages other than English.

Sample career opportunities include:

Actor	Broadcast Journalism
Choreographer	Music Director
Movie Director	Musician
Translator	
Ambassador	

	Arts and Humanities (ART)		Arts and Humanities (Social Studies)		Arts and Humanities (Languages)	
ELA	English 1	1	English 1	1	English 1	1
	English 2	1	English 2	1	English 2	1
	English 3	1	English 3	1	English 3	1
	4th English	1	4th English	1	4th English	1
Math	Algebra I	1	Algebra I	1	Algebra I	1
	Geometry	1	Geometry	1	Geometry	1
	MMA/Algebra II *	1	MMA/Algebra II *	1	MMA/Algebra II *	1
	Algebra II */Math 4	1	Algebra II */Math 4	1	Algebra II */Math 4	1
Science	Biology	1	Biology	1	Biology	1
	IPC/Chemistry/Physics	1	IPC/Chemistry/Physics	1	IPC/Chemistry/Physics	1
	Science 3	1	Science 3	1	Science 3	1
	Science 4	1	Science 4	1	Science 4	1
SS	W Geo/W Hist *	1	W Geo/W Hist *	1	W Geo/W Hist *	1
	US History	1	US History	1	US History	1
	Government	0.5	Government	0.5	Government	0.5
	Economics	0.5	Economics	0.5	Economics	0.5
LOTE	LOTE I	1	LOTE I	1	LOTE I	1
	LOTE II	1	LOTE II	1	LOTE II	1
Fine Arts	Fine Arts	1	Fine Arts	1	Fine Arts	1
PE	PE	1	PE	1	PE	1
Health	Health	0.5	Health	0.5	Health	0.5
Speech	Prof Com	0.5	Prof Com	0.5	Prof Com	0.5
Electives	Elective	3	Elective	4	Elective	4
Endorsement Requirements	Fine Art 2	1	W Geo/World History	1	LOTE 3	1
	Fine Art 3	1	Social Studies 5	1	LOTE 4	1
	Fine Art 4	1				
*Algebra II is required for distinguished; FBISD recommends both World History and World Geography						
Total Credits		26		26		26

Endorsement and Pathways
ARTS AND HUMANITIES ENDORSEMENT PATHWAYS

 Courses denoted in **bold** and *italics* are end of program courses

Visual

PATHWAY	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Drawing	Art I	Art II, Drawing I	Art III, Drawing II	<i>Art IV, Drawing III</i>
Painting	Art I	Art II, Painting I	Art III, Painting II	<i>Art IV, Painting III</i>
Ceramics	Art I	Art II, Ceramics I	Art III, Ceramics II	<i>Art IV, Ceramics III</i>
Sculpture	Art I	Art II, Sculpture I	Art III, Sculpture II	<i>Art IV, Sculpture III</i>
Digital Art	Art I	Art II, Digital Art I	Art III, Digital Art II	<i>Art IV, Digital Art III</i>

Performance

PATHWAY	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Choir	Choir I	Choir II	Choir III	<i>Choir IV</i>
Dance	Principles of Dance I	Principles of Dance II	Principles of Dance III	<i>Principles of Dance IV</i>
Dance Team	Dance Team I	Dance Team II	Dance Team III	<i>Dance Team IV</i>
Theatre	Theatre I	Theatre II	Theatre III	<i>Theatre IV</i>
Technical Theatre	Theatre I	Technical Theatre I	Technical Theatre II	<i>Technical Theatre III</i>
Production	Theatre I	Theatre Production I	Theatre Production II	<i>Theatre Production III</i>

Instrument

PATHWAY	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Band	Band I	Band II	Band III	<i>Band IV</i>
Orchestra	Orchestra I	Orchestra II	Orchestra III	<i>Orchestra IV</i>

WORLD LANGUAGE

PATHWAY	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Single Language	Language I	Language II	Language III	<i>Language IV</i>
Multiple Language	First Language I	First Language II	Second Language I	<i>Second Language II</i>

SOCIAL STUDIES PATHWAYS

Social Studies	5 Credits in Social Studies including World Geography or World History, U.S. History, Government (.5), Economics (.5) and 2 additional Social Studies Credits
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**MULTIDISCIPLINARY
ENDORSEMENT**


This endorsement pathway provides students with the opportunity to earn an endorsement from courses taken from multiple subject areas. The options include a coherent sequence or series of courses selected from one of the following:

- Four credits in each of the four foundation subject areas to include English IV and chemistry and/or physics; or
- Four credits in AP, IB, or dual credit selected from English, mathematics, science, social studies, economics, languages other than English, or fine arts; or
- Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence.

English Language Arts

English I

Course Number: EL112

Offered in: 9 **Credits:** 1 **Level:** On Level

Prerequisites:

Students enrolled in English will focus on five curricular strands: Reading, where students read and understand a wide variety of literary and informational texts; Writing, where students compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail; Research, where students are expected to know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information; Listening and Speaking, where students listen and respond to the ideas of others while contributing their own ideas in conversations and in groups; and Oral and Written Conventions, where students learn how to use the oral and written conventions of the English language in speaking and writing. Students will continue to address earlier standards as needed while they attend to standards for their grade. English I focuses on world literature from various literary periods.

English I Pre AP

Course Number: EL111

Offered in: 9 **Credits:** 1 **Level:** Pre AP/GT

Prerequisites:

English I PreAP courses focus on the same strands as English I on-level (see above), but also emphasize advanced reading, analytical reasoning skills and expository writing in for the Advanced Placement courses in language and literature. Summer reading is required. Reading lists are posted each spring on the district website.

English II

Course Number: EL122

Offered in: 10 **Credits:** 1 **Level:** On level

Prerequisites: English I

Students enrolled in English will focus on five curricular strands: Reading, where students read and understand a wide variety of literary and informational texts; Writing, where students compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail; Research, where students are expected to know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information; Listening and Speaking, where students listen and respond to the ideas of others while contributing their own ideas in conversations and in groups; and Oral and Written Conventions, where students learn how to use the oral and written conventions of the English language in speaking and writing. Students will continue to address earlier standards as needed while they attend to standards for their grade.

English II focuses on world literature from various literary periods.

English II Pre AP

Course Number: EL121

Offered in: 10 **Credits:** 1 **Level:** Pre AP/GT

Prerequisites: English I

English PreAP courses focus on the same strands as English II on-level (see above), but also emphasize advanced reading, analytical reasoning skills and expository writing in for the Advanced Placement courses in language and literature. Summer reading is required. Reading lists are posted each spring on the district website.

English I (ESOL - I)

Course Number: EL213

Offered in: 9 **Credits:** 1 **Level:** ESOL

Prerequisites:

The course description is the same as English I, but this course is specifically designed for students with limited English proficiency at the beginning or intermediate level.

English II (ESOL - II)

Course Number: EL223

Offered in: 10 **Credits:** 1 **Level:** ESOL

Prerequisites: ESOL 1

The course description is the same as English II, but this course is specifically designed for students with limited English proficiency at the beginning or intermediate level.

English III

Course Number: EL132

Offered in: 11 **Credits:** 1 **Level:** On level

Prerequisites: English II

Students enrolled in English will focus on five curricular strands: Reading, where students read and understand a wide variety of literary and informational texts; Writing, where students compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail; Research, where students are expected to know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information; Listening and Speaking, where students listen and respond to the ideas of others while contributing their own ideas in conversations and in groups; and Oral and Written Conventions, where students learn how to use the oral and written conventions of the English language in speaking and writing. Students will continue to address earlier standards as needed while they attend to standards for their grade. English III emphasizes the works of American authors from each major literary period.

AP English Language & Composition (English III - AP)

Course Number: EL131

Offered in: 11 **Credits:** 1 **Level:** AP/GT

Prerequisites: English II

An Advanced Placement course in English composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. Students become skilled writers who compose for a variety of purposes. This college composition course allows students to write in a variety of forms. As in the college course, students should have an understanding and demonstrated knowledge of standard English and be able to produce final, error-free drafts. The intense concentration on language aids students in understanding rhetorical and linguistic choices. This course is preparation for successful completion of the AP Exam in May. Summer reading is required.

English IV

Course Number: EL142

Offered in: 12 **Credits:** 1 **Level:** On level

Prerequisites: English III

Students enrolled in English will focus on five curricular strands: Reading, where students read and understand a wide variety of literary and informational texts; Writing, where students compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail; Research, where students are expected to know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information; Listening and Speaking, where students listen and respond to the ideas of others while contributing their own ideas in conversations and in groups; and Oral and Written Conventions, where students learn how to use the oral and written conventions of the English language in speaking and writing. Students will continue to address earlier standards as needed while they attend to standards for their grade. English IV concentrates on the works of British authors from each major literary period.

AP English Literature & Composition (English IV - AP)

Course Number: EL141

Offered in: 12 **Credits:** 1 **Level:** AP/GT

Prerequisites: English III

An Advanced Placement English course in literature and composition engages students in the careful reading and critical analysis of imaginative literature. The college literature course allows students to write in a variety of forms and develop stylistic maturity. As in the college course, writing assignments focus on the critical analysis of literature and include expository, analytical and argumentative essays. This course may enable a student to advance place six hours of college credit. The focus of this course is preparation for successful completion of the AP Exam in May. Summer reading is required.

English Language Arts

English IV - Dual Credit

Course Number: EL642

Offered in: 12 Credits: 1 Level: On level

Prerequisites: English III; meet TSI requirements

This advanced level English IV course is for college credit as well as high school credit. It focuses on the student's ability to think objectively and communicate effectively. Major areas include the writing process, sentence structure, basic essay organization, rhetorical modes, and analysis of writing, as well as some aspects of British and contemporary literature. Please see "Dual Credit" sections for more information. Community college enrollment requirements, deadlines, and fees apply.

College Prep ELA

Course Number: EL144

Offered in: 12 Credits: 1 Level: On level

Prerequisites: English III

This course is designed to support students who do not meet college readiness indicators for English Language Arts. (Per HB 5 requirements)

Reading I, II, III

Course Number: ER113, ER123, ER133

Offered in: 9 - 12 Credits: 1 per year Level: level

Prerequisites:

Reading I, II, III offers students reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. Students learn how traditional and electronic texts are organized and how authors choose language for effect. All of these strategies are applied in instructional-level and independent-level texts that cross the content areas

Reading I (Newcomers)

Course Number: ER213

Offered in: 9 - 12 Credits: 1 Level: Pre-Literate/Beginner

Prerequisites:

This course is designed for high school students who have been identified as Limited English Proficient (LEP) and are recent immigrants to the United States. The main focus of this course is English language development: oral language proficiency, vocabulary development, and reading and writing skills. In addition, students develop cross-curricular reading skills. Students in Reading I Sheltered have scored NES A or B, or LES C on their IPT test.

Reading II (Sheltered)

Course Number: ER223

Offered in: 9 - 12 Credits: 1 Level: Beginner/Intermediate

Prerequisites: Reading I (Newcomers)

This course follows Reading I (Newcomers/Sheltered). It is designed for high school students who have been identified as Limited English Proficient (LEP) and are recent immigrants to the United States. In addition to developing English language proficiency in listening, speaking, reading, and writing, students develop testing taking skills and study strategies. Instruction also includes the development of cross-curricular reading skills. Students in Reading II Sheltered have scored NES A or B, or LES C on their IPT test. This class does not meet the needs of native English speakers who struggle with reading skills.

Creative Writing

Course Number: EL332

Offered in: 11 - 12 Credits: 1 Level: On level

Prerequisites: English III or enrolled concurrently

Creative Writing, a rigorous composition course, asks high school students to demonstrate their skill in such forms of writing as fictional writing, short stories, poetry, and drama. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop peer and self-assessments for effective writing, and set their own goals as writers.

Practical Writing

Course Number: EL313

Offered in: 9 - 12 Credits: 1 Level: On level

Prerequisites:

This course allows high school students to develop the skills necessary for practical writing. It emphasizes skill in the use of conventions and mechanics of written English, the appropriate and effective application of English grammar and the effective use of vocabulary. Students are expected to understand and demonstrate the writing process through a variety of written texts.

Humanities

Course Number: EL411

Offered in: 11 - 12 Credits: 1 Level: Honors

Prerequisites:

Each year, TSPRA recognizes communicators in school districts, education foundations, education associations and organizations for their work in print and electronic media categories. There are 45 main categories covering various media such as newsletters, programs, posters, reports, writing, image/identity packages, photography, graphics, video, electronic presentations, mobile apps, campaigns and web sites. Larger, more comprehensive projects and special programs are entered in one of seven Crystal Commendation categories or the Platinum Award category. The Platinum Award honors a year-long project that exhibits the highest standards of excellence in all facets according to research, analysis, communication and evaluation. This year, 970 entries were received. For the first 45 categories, the entries are divided into three divisions based on the number of students the district, foundation or organizations serves - under 10,000 students; 10,000 to 30,000 students; and over 30,000 students. Independent judges, not affiliated with TSPRA, evaluate and score each entry based on its own merit. Bronze, Silver and Gold Stars are awarded based on set criteria. Finally, the judges review their highest scoring Gold Star winners and select a Best of Category for each division in each of the 45 categories.

Journalism

Course Number: EJ113

Offered in: 9 - 12 Credits: 1 Level: On level

Prerequisites:

Students enrolled in Journalism write in a variety of forms for a variety of audiences and purposes. High school students enrolled in this course are expected to plan, draft, and complete written compositions on a regular basis, carefully examining their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Journalism, students are expected to write in a variety of forms and for a variety of audiences and purposes. Students will become analytical consumers of media and technology to enhance their communication skills. Students enrolled in Journalism will learn journalistic traditions, research self-selected topics, write journalistic texts, and learn the principles of publishing.

English Language Arts

Photojournalism

Course Number: EP113

Offered in: 9 - 12 Credits: 1 Level: On level

Prerequisites: 35mm SLR camera (or DSLR camera)

Students enrolled in Photojournalism communicate in a variety of forms for a variety of audiences and purposes. High school students are expected to plan, interpret, and critique visual representation, carefully examining their product for publication. Students will become analytical consumers of media and technology to enhance their communication skills. High school students will study the laws and ethical considerations that impact photography. Students enrolled in this course will refine and enhance their journalistic skills and plan, prepare, and produce photographs for a journalistic publication, whether print, digital, or online media. (estimated cost - \$100).

Advanced Journalism: Newspaper I, II, III

Course Number: EN112, EN122, EN132

Offered in: 9 - 12 Credits: 1 per year Level: On level

Prerequisites: Journalism I or Photojournalism and teacher recommendation

Students enrolled in Advanced Journalism: Newspaper I, II, III will communicate in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Advanced Journalism: Newspaper I, II, III students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. Students enrolled in Advanced Journalism: Newspaper I, II, III will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.

Advanced Journalism: Yearbook Production I, II, III

Course Number: EY112, EY122, EY132

Offered in: 9 - 12 Credits: 1 per year Level: On level

Prerequisites: Journalism I or Photojournalism and teacher recommendation

Students enrolled in Advanced Journalism: Yearbook I, II, III will communicate in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Advanced Journalism: Yearbook I, II, III students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. Students enrolled in Advanced Journalism: Yearbook I, II, III will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.

Advanced Broadcast Journalism I, II, III

Course Number: EB112, EB122, EB132

Offered in: 9 - 12 Credits: 1 per year Level: On level

Prerequisites: Journalism I

High school students enrolled in this course will apply and use their journalistic skills for a variety of purposes. Students will learn the laws and ethical considerations that affect broadcast journalism; learn the role and function of broadcast journalism; critique and analyze the significance of visual representations; and learn to produce by creating a broadcast journalism product.

Independent Study in Journalism

Course Number: EJ142

Offered in: 12 Credits: 1 Level: On Level

Prerequisites: Advanced Journalism: Yearbook I, II, and III or Advanced Journalism: Newspaper I, II, and III

This course is intended as a fourth-year Yearbook or Newspaper course for students serving as the editor or assistant editor of those publications. Students enrolled in Independent Study in Journalism write in a variety of forms for a variety of audiences and purposes. High school students enrolled in this course are expected to plan, draft, and complete written communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Students will become analytical consumers of media and technology to enhance their communication skills. Published work of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Independent Study in Journalism will refine and enhance their journalistic skills, research self-selected topics, plan, organize, and prepare a project(s).

Communication Applications

Course Number: ES1131, ES1132

Offered in: 9 - 12 Credits: .5 Level: On level

Prerequisites:

Students will be expected to identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations.

Oral Interpretation I, II, III

Course Number: EO112, EO122, EO132

Offered in: 9 - 12 Credits: 1 per year Level: On level

Prerequisites:

Students in Oral Interpretation I, II, III will select, research, analyze, adapt, interpret, and perform literary texts as a communication art. Students focus on intellectual, emotional, sensory, and aesthetic levels of texts to attempt to capture the entirety of the author's work. Individual or group performances of literature will be presented and evaluated.

Debate I, II, III

Course Number: ED112, ED122, ED132

Offered in: 9 - 12 Credits: 1 per year Level: On level

Prerequisites:

Debate and argumentation are widely used to make decisions and reduce conflict. In Debate I, II, III students will develop skills in argumentation and debate. Students will focus on current issues, develop sound critical thinking, and sharpen their communication skills. This course offers life-long skills for intelligently approaching controversial issues.

English Language Arts

English – Additional Courses

Course Number: Credits: 1 per course

Prerequisite: ARD Committee decision

SE511M Applied English I
 SE512M Applied English II
 SE513M Applied English III
 SE514M Applied English IV

**The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in resource.*

SE511A Applied English I AL
 SE512A Applied English II AL
 SE513A Applied English III AL
 SE514A Applied English IV AL

**The content aligns to the general education curriculum as determined by the IEP. Students receive alternate curriculum in resource.*

EL115I English I I
 EL125I English II I
 EL135I English III I
 EL145I English IV I

**The content matches the general education curriculum as determined by the IEP. Students receive instruction in general education with in-class support with no modified content.*

EL115M English I I
 EL125M English II I
 EL135M English III I
 EL145M English IV I

**The content aligns to the general education curriculum as determined by the IEP. Students receive modified instruction in general education with in-class support.*

EL117A English I AL
 EL127A English II AL
 EL137A English III AL
 EL147A English IV AL

**The content aligns to the general education curriculum as determined by the IEP. Students receive alternate curriculum in general education with in-class support.*

SE811B English I B
 SE812B English II B
 SE813B English III B
 SE814B English IV B

**The content matches the general education curriculum as determined by the IEP. Students receive instruction in the behavior intervention class.*

SE811M Applied English I MB
 SE812M Applied English II MB
 SE813M Applied English III MB
 SE814M Applied English IV MB

**The content aligns to the general education curriculum as determined by the IEP. Students received modified curriculum in the behavior intervention class.*

Reading – Additional Courses

Course Number: Credits: 1 per course

Prerequisite: ARD Committee decision

SE551M Applied Reading I
 SE552M Applied Reading II
 SE553M Applied Reading III

**The content aligns to the general education curriculum as determined by the IEP. Students receive modified instruction in resource.*

SE851M Applied Reading IB
 SE852M Applied Reading IIB
 SE853M Applied Reading III B

**The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in the behavior intervention class.*

English in Specialized Setting (Life Skills)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE611 English I AL EOC
 SE612 English II AL EOC
 SE613 English III AL
 SE614 English IV AL

**The content aligns to the general education curriculum as determined by the IEP. Students receive alternate curriculum in Life Skills.*

English in Specialized Setting (ABC)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

**The content aligns to the general education curriculum as determined by the IEP. Students receive alternate curriculum in ABC.*

SE711 English I AL EOC
 SE712 English II AL EOC
 SE713 English III AL
 SE714 English IV AL

English in Specialized Setting (FLITE)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

**The content aligns to the general education curriculum as determined by the IEP. Students receive alternate curriculum in FLITE.*

SE911F English I AL EOC
 SE912F English II AL OEC
 SE913F English III AL
 SE914F English IV AL

EL213M ESOL I M
 EL223M ESOL II M

**The content aligns to the general education curriculum as determined by the IEP. Students receive modified instruction.*

Mathematics

Algebra I

Course Number: MA212

Offered in: 9 **Credits:** 1 **Level:** On level

Prerequisites:

This course serves as the foundation for all upper level mathematics courses. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

Algebra I Pre AP

Course Number: MA211

Offered in: 9 **Credits:** 1 **Level:** Pre AP/GT

Prerequisites:

This course serves as the foundation for all upper level mathematics courses. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations. Pre-AP Algebra 1 will include a more in depth study of the topics covered in Algebra 1. A strong emphasis is placed on increasing the development of critical thinking and problem solving skills. The intention of this course is to prepare students for AP level math coursework.

Strategic Learning for High School Mathematics

(Partner with Algebra I for Double Block)

Course Number: MA554

Offered in: 9 **Credits:** 1 **Level:** On level

Prerequisites: Concurrent enrollment in Algebra I for identified students

This course is intended to develop strategic mathematical learning strategies for underprepared mathematics students. The basic strategies will stimulate students to think about their approach to mathematical learning. These basic strategies will include identifying errors in the teaching and learning process, input errors, physiological concerns, and key cognitive skills. The essential knowledge and skills will foster a deeper understanding of the task of learning mathematical concepts. This course is taken at the same time as Algebra 1 and is designed for ninth grade students who have a history of struggling in mathematics and/or failure on STAAR.

Geometry

Course Number: MA222

Offered in: 9-10 **Credits:** 1 **Level:** On level

Prerequisites: Algebra I

In this course students will connect previous knowledge from Algebra I to Geometry within the coordinate and transformational geometry strand. Through a focus on the development of proofs students will strengthen their mathematical reasoning skills in geometric contexts. Formal constructions using a straight edge and compass will be created to make conjectures about geometric figures. Proportional reasoning skills and analysis of patterns to identify geometric properties will provide context for proofs about special segments and circles. Another focus will be on the application of formulas in multi-step situations using background knowledge in two- and three-dimensional figures. Finally, students will gain exposure to fundamental topics in probability and statistics which will prepare them for success in post-secondary education.

Geometry Pre AP

Course Number: MA221

Offered in: 9-10 **Credits:** 1 **Level:** Pre AP/GT

Prerequisites: Algebra I

In this course students will connect previous knowledge from Algebra I to Geometry within the coordinate and transformational geometry strand. Through a focus on the development of proofs students will strengthen their mathematical reasoning skills in geometric contexts. Formal constructions using a straight edge and compass will be created to make conjectures about geometric figures. Proportional reasoning skills and analysis of patterns to identify geometric properties will provide context for proofs about special segments and circles. Another focus will be on the application of formulas in multi-step situations using background knowledge in two- and three-dimensional figures. Finally, students will gain exposure to fundamental topics in probability and statistics which will prepare them for success in post-secondary education. In Pre-AP Geometry students will extend their work with proofs to include additional theorems and alternative proof approaches. Emphasis will be placed on connections among Geometry and Algebra along with student's justification of reasoning. This course is intended to prepare students for AP level course work.

Algebra II

Course Number: MA232

Offered in: 9-12 **Credits:** 1 **Level:** On level

Prerequisites: Algebra I

This course will broaden students' knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations using both paper and pencil and technology. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods. Algebra II is the required pre-requisite for many fourth year math courses.

Algebra II Pre AP

Course Number: MA231

Offered in: 9-12 **Credits:** 1 **Level:** Pre AP/GT

Prerequisites: Algebra I

This course will broaden students' knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations using both paper and pencil and technology. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods. Pre-AP Algebra II will include a focus on functional analysis to align with the College and Career Readiness Standards. The intent of this course is to prepare students for AP level course work. Algebra II is the required pre-requisite for many fourth year math courses.

Mathematical Models with Applications

Course Number: MA312

Offered in: 11-12 **Credits:** 1 **Level:** On level

Prerequisites: Algebra I

In this course, students use algebraic, graphical, and geometric reasoning to recognize patterns and structure to model information and solve problems. Students will model and solve real-life problems involving money, data, chance, patterns, music, design, and science. Students will use a variety of representations, tools, and technology to link modeling techniques with mathematical concepts to solve applied problems.

Mathematics

College Prep Math

Course Number: MA332

Offered in: 12 **Credits:** 1 **Level:** On Level

Prerequisites:

This course is designed to support students who do not meet college readiness indicators for mathematics. Course content will focus on strengthening numeracy, algebraic reasoning, and developing understanding of functional relationships. Successful completion of this course will result in a student being identified as College Ready and will substitute the TSI requirement. NOTE: This course does not count as a math credit for graduation for students on the 4 x 4, Recommended high school diploma. It does count for math credit on the Foundation Graduation Plan (HB 5).

Pre-Calculus

Course Number: MA242

Offered in: 10-12 **Credits:** 1 **Level:** On level

Prerequisites: Geometry, Algebra II

This course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Precalculus is the preparation for calculus.

Pre-Calculus Pre AP

Course Number: MA241

Offered in: 10-12 **Credits:** 1 **Level:** Pre AP/GT

Prerequisites: Geometry, Algebra II

This course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Precalculus is the preparation for calculus. Pre-AP Pre-Cal focuses on comparisons among functions and includes additional topics such as an introduction to limits. This introduction will lay the foundation for success in AP Calculus.

AP Calculus AB

Course Number: MA251

Offered in: 11-12 **Credits:** 1 **Level:** AP/GT

Prerequisites: Pre-Calculus

This is an advanced placement course in mathematics. This course includes applications of limits and derivatives; integration; special functions; infinite series. It is an introductory course with elementary functions. It generally provides the avenue for a student to advance place in one semester of calculus in college. The focus of this course is preparation for successful completion of the AP Exam in May. Students have 2 options when selecting a Calculus class. They are advised to take a Calculus course in which they will be challenged and yet will perform successfully. Students may not take Calculus AB followed by Calculus BC.

AP Calculus BC

Course Number: MA351

Offered in: 11-12 **Credits:** 1 **Level:** AP/GT

Prerequisites: Pre-AP Pre-Calculus

BC Calculus is considerably more extensive than AB Calculus. All of the calculus topics covered in AB are included in the BC course. It generally provides the avenue for a student to advance place in two semesters of Calculus in college. G/T students usually take the BC course. The focus of this course is preparation for successful completion of the AP Exam in May. Students have 2 options when selecting a Calculus class. They are advised to take a Calculus course in which they will be challenged and yet will perform successfully. Students may not take Calculus AB followed by Calculus BC.

Independent Study in Mathematics--Multivariable Calculus

Course Number: MA662

Offered in: 12 **Credits:** 1 **Level:** Beyond AP

Prerequisites: AP Calculus BC and a score of 4 or 5 on the AP Calculus BC Exam.

This course is for students who have completed AP Calculus BC. It is the third year in the Calculus series. This course covers differential, integral and vector calculus for functions of more than one variable. These mathematical tools and methods are used extensively in the physical sciences, engineering, economics and computer graphics.

Independent Study in Math - Pre College Mathematics

Course Number: MA261

Offered in: 12 **Credits:** 1 **Level:** On level

Prerequisites: Geometry, Algebra II

This course is designed to strengthen Algebraic, geometric, and statistical reasoning. Its focus will be on Algebra, geometry, and statistic concepts that relate to success in higher level mathematics. These concepts include foundational algebra skills, functions and their graphs, systems of equations, trigonometry, probability, and statistics. This course is designed to prepare students for College Level Mathematics or the workplace. Students cannot take Pre-Calculus after this course due to the content overlap. This course will not be offered after 2016-2017.

AP Statistics

Course Number: MA451

Offered in: 10-12 **Credits:** 1 **Level:** AP/GT

Prerequisites: Geometry, Algebra II

This course offers students the opportunity to receive college credit for an introductory statistics course. The purpose of the advanced placement course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The focus of this course is preparation for successful completion of the AP Exam in May.

Advanced Quantitative Reasoning

Course Number: MA322

Offered in: 12 **Credits:** 1 **Level:** On level

Prerequisites: Geometry, Algebra II

This course focuses on the application of high school math concepts. It includes a strong emphasis on statistics, an ongoing thread of financial applications, and the use of mathematical models from discrete mathematics, algebra, geometry, and trigonometry to solve complex problems in a range of engaging contexts. This course is designed to prepare students for college or the workplace.

Mathematics

Math – Additional Courses

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE521M Applied Algebra I
 SE522M Applied Geometry
 SE523M Applied MMA

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified instruction in resource.

SE521A Applied Algebra I AL
 SE522A Applied Geometry AL
 SE523A Applied MMA AL

*The content aligns to the general education curriculum as determined by the IEP. Students receive alternate instruction in resource.

MA215I Algebra I I
 MA225I Geometry I
 MA235I MMA I
 MA232I Algebra II I
 MA332I Pre College Math I

*The content aligns to the general education curriculum as determined by the IEP. Students receive grade level curriculum in general education with in-class support with no modified content.

MA215M Algebra I IM
 MA225M Geometry IM
 MA235M MMA IM
 MA232M Algebra II IM

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in general education with in-class support.

MA215A Algebra I AL
 MA225A Geometry AL
 MA235A MMA AL

*The content aligns to the general education curriculum as determined by the IEP. Students receive alternate curriculum in general education with in-class support.

SE821B Algebra I BC
 SE822B Geometry BC
 SE823B MMA BC

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in the behavior intervention class.

SE821M Applied Algebra I MB
 SE822M Applied Geometry MB
 SE823M Applied MMA MB

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in the behavior intervention class.

Math in Specialized Setting (Life Skills)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE621 Algebra I AL EOC
 SE622 Geometry AL
 SE623 Problem Solving Math 1
 SE624 Problem Solving Math 2

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in the behavior intervention class.

Math in Specialized Setting (ABC)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE721 Algebra I AL EOC
 SE722 Geometry AL
 SE723 Problem Solving Math 1
 SE724 Problem Solving Math 2

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in the behavior intervention class.

Math in Specialized Setting (FLTe)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE921F Algebra I AL EOC
 SE922F Geometry AL
 SE923F Problem Solving Math 1
 SE924F Problem Solving Math 2

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in the behavior intervention class.

Science

Integrated Physics and Chemistry (IPC)

Course Number: SC312

Offered in: 9-10 **Credits:** 1 **Level:** On-Level

Prerequisites:

IPC integrates the disciplines of physics and chemistry in topics such as: atomic structure, properties of matter, classification of matter, solution chemistry, atomic bonding, motion, force, energy, and waves. The use of technology and laboratory investigations is a primary focus in instruction. Student investigations will emphasize accurate observations, collection of data, data analysis, and the safe manipulation of laboratory apparatus and materials in the lab. This course must be completed prior to chemistry and physics to count as science credit.

Biology

Course Number: SC322

Offered in: 9-10 **Credits:** 1 **Level:** On level

Prerequisites:

Biology is the study of life. This course includes the study of the structures and functions of living organisms, energy transformations, comparative survey of life processes; diversity of life, and the interdependence of organisms and their environment. Investigations emphasize process skill development and safe manipulation of laboratory apparatus and materials in the field and laboratory.

Biology Pre AP

Course Number: SC321

Offered in: 9-10 **Credits:** 1 **Level:** Pre AP/GT

Prerequisites:

This course includes the study of the structures and functions of living organisms, energy transformations, comparative survey of life processes; diversity of life, and the interdependence of organisms and their environment. Investigations emphasize process skill development and safe manipulation of laboratory apparatus and materials in the field and laboratory. Pre-AP/GT Biology will include content and skill developed to prepare students to take AP Biology.

AP Biology

Course Number: SC3511, SC3512

Offered in: 10-12 **Credits:** 1.5 **Level:** AP/GT

Prerequisites: Biology and Chemistry

This course is an in-depth study of general biological principles comparable to a first-year college course. Major emphasis is placed on the latest theories and concepts dealing with molecular biology, biochemistry, cellular processes, genetics, and bioethics. Other topics include plant and animal taxonomy, ecology, and evolution. Laboratory experience is heavily emphasized and is designed to familiarize the student with some of the most recent techniques and processes currently used in scientific research. This course requires a two hour lab one evening per week. The focus of this course is preparation for successful completion of the AP Biology exam in May.

Chemistry

Course Number: SC332

Offered in: 10-12 **Credits:** 1 **Level:** On level

Prerequisites: Algebra I and one unit of high school science

Chemistry includes the study of the structure, composition and behavior of matter, as well as factors that affect the interaction of matter. Laboratory investigations enhance the emphasis of process skills and laboratory safety. Students may apply chemical knowledge to problem solving, classifying matter, quantifying chemicals, and predicting chemical phenomena.

Chemistry Pre AP

Course Number: SC331

Offered in: 10-12 **Credits:** 1 **Level:** Pre AP/GT

Prerequisites: Algebra I and one unit of high school science

Chemistry includes the study of the structure, composition and behavior of matter, as well as factors that affect the interaction of matter. Laboratory investigations enhance the emphasis of process skills and laboratory safety. Students may apply chemical knowledge to problem solving, classifying matter, quantifying chemicals, and predicting chemical phenomena. Students use decision making and critical thinking to propose possible solutions in the study of issues concerning science and technology. Pre-AP/GT Chemistry will include content and skill development to prepare students for AP Chemistry.

AP Chemistry

Course Number: SC3611, SC3612

Offered in: 10-12 **Credits:** 1.5 **Level:** AP/GT

Prerequisites: Chemistry and Algebra II

This course is an in-depth study of the principles and concepts in chemistry comparable to a first-year college course. Content includes the study of atomic structure and bonding, states of matter, reactions, stoichiometry, equilibrium, kinetics, thermodynamics, and quantitative analysis. Emphasis is on laboratory experience. This course requires a two hour lab one evening per week. The focus of this course is preparation for successful completion of the AP Chemistry Exam in May.

Organic Chemistry

Course Number: SC911

Offered in: 12 **Credits:** 1

Level: Beyond AP

Prerequisites: AP Chemistry

Organic chemistry sub-discipline involves the scientific study of the structure, properties, and reactions of organic compounds and organic materials. This course will focus on current theories of structure and mechanism in organic chemistry, their historical development, and their basis in experimental observation as well as introduce applications of organic chemistry. This course is designed for the student who intends to continue future study in the sciences.

Physics

Course Number: SC342

Offered in: 9-12 **Credits:** 1 **Level:** On level

Prerequisites: Algebra I

This course is the study of the physical world including matter and energy and their interactions. It will focus on using basic concepts, equations, and assumptions to describe the physical world, solve problems and make predictions about a broad range of phenomena. The topics included are kinematics, dynamics, conservation of energy and momentum, heat, electrostatics, electricity, magnetism, electromagnetic induction, waves, light, sound, the photoelectric effect and the atom. Laboratory investigations emphasize development of process skills and safe manipulation of laboratory apparatus and computer instrumentation.

AP Physics 1

Course Number: SC421

Offered in: 10-12 **Credits:** 1 **Level:** AP/GT

Prerequisites: Completion of Geometry or concurrent enrollment in Algebra II.

The AP Physics 1 course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves including sound. It will also introduce electric circuits and modern physics. Knowledge of algebra is required. Understanding of the basic principles involved and the ability to apply these principles in the solution of problems through inquiry is the goal of this course. At many colleges this is a semester course including a laboratory component which often provides a foundation in physics for students in life sciences, pre-medicine, and some applied sciences, as well as other fields not related to science. Laboratory investigations utilize computer applications when possible. This course does not require evening lab time. The focus of this course is preparation for successful completion of the AP Physics 1 exam in May.

Science

AP Physics 2

Course Number: SC431

Offered in: 11-12 Credits: 1 Level: AP/GT

Prerequisites: Physics, AP Physics 1 or prior to 2014-15 Physics 1 H/GT and completion or concurrent enrollment in Pre-Calculus.

The AP Physics 2 course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. Knowledge of algebra is required. Understanding of the basic principles involved and the ability to apply these principles in the solution of problems through inquiry is the goal of this course. At many colleges this is a semester course including a laboratory component which often provides a foundation in physics for students in life sciences, pre-medicine, and some applied sciences, as well as other fields not related to science. Laboratory investigations utilize computer applications when possible. This course does not require evening lab time. The focus of this course is preparation for successful completion of the AP Physics 2 exam in May.

AP Physics C – Electricity and Magnetism (1 semester)

AP Physics C – Mechanics (1 semester)

Course Number: SC3811, SC3812

Offered in: 11-12 Credits: 1.5 Level: AP/GT

Prerequisites: Completion or concurrent enrollment in Calculus.

The AP Physics C course expands on concepts presented in AP Physics 1 and 2, but is limited to the topics of mechanics and electricity and magnetism. The AP Physics C course is the first part of a sequence that is often a very intensive one-year course in college that serves as the foundation in physics for students majoring in the physical sciences or engineering. The Physics C AP course is unique in the fact that the AP exam is administered as two separate one and one-half hour exams; one in mechanics and the other in electricity and magnetism. A student may choose to take either or both parts, and a separate grade is reported for each. Methods of calculus are used wherever appropriate in formulating physical Earth principles and in applying them to physical problems. Laboratory investigations utilize computer applications when possible. This course requires a two hour lab one evening per week. The focus of this course is preparation for successful completion of the AP Mechanics & AP Electricity & Magnetism exams in May.

Modern Physics

Course Number: SC921

Offered in: 12 Credits: 1 Level: Beyond AP

Prerequisites: Physics C and AP Calculus BC

Modern physics refers to any branch of physics either developed in the early 20th century and onwards, or branches greatly influenced by early 20th century physics. This course includes aspects of physics that cover either quantum mechanics (QM) or Einsteinian Relativity (ER) or aspects of both. During this course, students will gain an understanding of how science works; what motivates it, how initially promising ideas are refuted by continued research, and the consequences of science on other fields and society in general.

Aquatic Science

Course Number: SC122

Offered in: 10-12 Credits: 1 Level: On level

Prerequisites: Biology

This course is a study of marine and freshwater habitats and their support of life through application of biology, chemistry, physics, geology, meteorology and aquatic resources as they relate to the environment. Maintenance of aquaria can be used in solving problems arising in the operation of fisheries, aquatic farms, waste disposal, and sanitation and water supply. Student investigations will emphasize accurate observations, collection of data, data analysis, and the safe manipulation of laboratory apparatus and materials in the lab.

Astronomy

Course Number: SC152

Offered in: 11-12 Credits: 1 Level: On level

Prerequisites: Two units of high school science

This course will be descriptive with an algebraic treatment of celestial mechanics. The content will include the history of astronomy, current and proposed space-flight, the solar system, galaxies, and the universe. Laboratory investigations will emphasize the development of process skills and safe manipulation of lab instrumentation apparatus. Computer applications will be used as part of laboratory investigations. Students will be encouraged to make independent astronomical observations.

Earth and Space Science

Course Number: SC391

Offered in: 11-12 Credits: 1 Level: On level

Prerequisites: Three units of science, one of which may be taken concurrently, and three units of mathematics, one of which may be taken concurrently.

This course is designed to promote scientific literacy, understanding and experimentation in the field of Earth and Space Science. This course provides an opportunity for students to learn about three aspects of Earth: Earth in space and time, solid Earth, and fluid Earth. Students will study the history of the origin, evolution and properties of Earth and Space including earth systems (weather, climate, atmosphere, plate tectonics, fossils, geologic time scale, physical and chemical characteristics), planetary systems (origin of the universe, solar system, characteristics of stars, comets, asteroids, meteorites, Moon and planets), and what impact natural and human activities (earthquakes, tsunamis, pollution, global warming, fossil fuels) have on these systems. Students will use a variety of resources and laboratory equipment to investigate, analyze and research scientific principles related to these topics. These resources include: computer applications, GIS, GPS, telescopes, satellite imagery, remote sensing data, image and video libraries, weather stations, fossil and rock kits, globes and various models.

Environmental Systems

Course Number: SC112

Offered in: 11-12 Credits: 1 Level: On level

Prerequisites: Biology and one physical science (IPC, Chemistry or Physics)

This course emphasizes the impact of major changes in the environment and critical environmental issues as related to society and technology. Such issues as pollution, ecology, energy conservation, nuclear waste, and depletion of natural resources are studied. Emphasis of these topics is given to relationships and responsibilities of humans to their environment and resources in and around their community. Student investigations will emphasize accurate observations, collection of data, data analysis, and the safe manipulation of laboratory apparatus and materials in the lab.

AP Environmental Science

Course Number: SC411

Offered in: 11-12 Credits: 1.0 Level: AP/GT

Prerequisites: Algebra I, one year of life science and one year of physical science

The AP Environmental Science course is designed to provide students with an overview and understanding of the issues associated with environmental science from the perspective of ecosystem structure and impact, population balance and environmental interaction, pollution effects, resource utilization and impact upon the environment and human health. The AP Environmental Science course has been developed as a college-level, interdisciplinary approach that incorporates biology, geology, chemistry, geography and environmental studies. Tests, quizzes, lab reports and research projects are the major forms of student evaluation. The focus of this course is preparation for successful completion of the AP Environmental Science exam in May.

Science

Anatomy & Physiology

Course Number: CHL03

Offered in: 10-12 Credits: 1 Level: On level

Prerequisites: 3 years of high school science, including Biology

This course is designed to extend the student's knowledge and understanding of the human body in respect to its structure and function. This is lab-oriented and teaches proper dissection techniques as well as various physiological phenomena. This course is recommended for students interested in medically related careers.

*This CTE course counts as a Science credit.

Scientific Research & Design

Course Number: CST000

Offered in: 11-12 Credits: 1 Level: On Level

Prerequisites: two units of high school science.

Students identify methodologies of basic and applied research, build experimental models, mock-ups or prototypes, investigate economics impact of the researched solution, and organize technical data. Students will develop a research project in a scientific field. Students are encouraged to work with a mentor off-site in a laboratory setting. *This CTE course counts as a science credit.

Engineering Design & Problem Solving

Course Number: CST01

Offered in: 11-12 Credits: 1 Level: On level

Prerequisites: Geometry, Algebra II, Chemistry, and Physics

Engineering Design and Problem Solving reinforces and integrates skills learned in previous mathematics and science courses. This course emphasizes solving problems, moving from well defined toward more open ended, with real world application. Students apply critical-thinking skills to justify a solution from multiple design options. Additionally, the course promotes interest in and understanding of career opportunities in engineering. *This CTE course counts as a science credit.

Advanced Biotechnology

Course Number: CST112

Offered in: 11-12 Credits: 1 Level: Honors

Prerequisites: Biology and Chemistry

Students enrolled in this course will apply advanced academic knowledge and skills to the emerging field of biotechnology including agriculture, medical, regulatory and forensics. Advanced Biotechnology students will examine a variety of topics including structures and functions of cells, nucleic acids, proteins and genetics. Students will have the opportunity to use sophisticated laboratory equipment, perform statistical analysis, and practice quality-control techniques preparing them for future careers in the field of biotechnology. *This CTE course counts as a science credit.

Forensic Science

Course Number: CLS08

Offered in: 11-12 Credits: 1 Level: On level

Prerequisites: Biology and Chemistry

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

Food Science

Course Number: CHT04

Offered in: 11-12 Credits: 1 Level: On level

Prerequisites: Completed 3 years of science, including Chemistry, and Principles in Hospitality & Tourism or Principles in Human Services

Students will conduct laboratory and field investigations, use scientific methods during investigations and make informed decisions using critical thinking and scientific problem solving. Students study the nature of foods, the causes of deterioration, the principles underlying food processing and the improvement of foods for the consuming public. *This CTE course counts as a science credit.

Medical Microbiology

Course Number: CHL08

Offered in: 11-12 Credits: .5 Level: On level

Prerequisites: Completed 3 years of high school science including Biology and Chemistry

Students in Medical Microbiology explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. This course is recommended for students interested in medically related careers. *This CTE course counts as a science credit.

Pathophysiology

Course Number: CHL09

Offered in: 11-12 Credits: .5 Level: On level

Prerequisites: Completed 3 years of high school science

Students study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology in laboratory and field investigations. This course is recommended for students interested in medically related careers. *This CTE course counts as a science credit.

Science

Science – Additional Courses

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SC312I IPC IN
 SC322I Biology IN
 SC332I Chemistry IN
 SC342I Physics IN
 SC122I Aquatic Science IN

*The content aligns to the general education curriculum as determined by the IEP. Students receive grade level curriculum in general education with in-class support with no modified content.

SC312M IPC M
 SC322M Biology I M
 SC122M Aquatic Science M

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified instruction in general education class with in-class support.

SC312A IPC AL
 SC322A Biology AL
 SC122A Aquatic Science AL

*The content aligns to the general education curriculum as determined by the IEP. Students receive alternate curriculum in general education class with in-class support.

SE831B IPC BC
 SE832B Biology BC
 SE833B Aquatic Science BC

*The content aligns to the general education curriculum as determined by the IEP. Students receive grade level curriculum in the behavior intervention class.

SE831M Applied IPC MB
 SE832M Applied Biology I MB
 SE833M Applied Aquatic Science MB

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified instruction in behavior intervention class.

Science in Specialized Setting (Life Skills)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE631 IPC AL
 SE632 Biology AL EOC
 SE633 Environmental Systems AL
 SE634 Aquatic Science AL

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified instruction in behavior intervention class.

Science in Specialized Setting (ABC)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE731 IPC AL
 SE732 Biology AL EOC
 SE733 Environmental Systems AL
 SE734 Aquatic Science AL

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified instruction in behavior intervention class.

Science in Specialized Setting (FLITE)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE931F IPC AL
 SE932F Biology AL EOC
 SE933F Environmental Systems AL
 SE934F Aquatic Science AL

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified instruction in behavior intervention class.

Social Studies
World Geography
Course Number: SS412

Offered in: 9-12 **Credits:** 1 **Level:** On level

Prerequisites:

This course is a comprehensive study of geography and cultures that examines the interaction of land, people, and climates of selected regions of the world. Involvement in group and individual research is expected of students in this course.

World Geography Pre AP
Course Number: SS411

Offered in: 9-12 **Credits:** 1 **Level:** Pre AP/GT

Prerequisites:

Pre AP/GT classes will cover all World Geography TEKS objectives and other topics such as urban geography, environment, globalization, and demographic studies. Students will read case studies and develop critical thinking and writing skills necessary for success on future social studies Advanced Placement exams. Outside reading and independent learning will also be required.

World History
Course Number: SS422

Offered in: 9-12 **Credits:** 1 **Level:** On level

Prerequisites:

Students gain knowledge of significant events and contributions from the prehistory period and early civilizations to the present day, as well as the development of eastern and western cultures. Students are responsible for group and individual research projects, outside readings, presentations, and problem solving activities on historical issues and current events.

AP World History
Course Number: SS424

Offered in: 10-12 **Credits:** 1 **Level:** AP/GT

Prerequisites:

The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts in different types of human societies. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. It emphasizes relevant factual knowledge, leading interpretive issues, and skills in analyzing types of historical evidence. The course offers balanced global coverage with Africa, the Americas, Asia, Europe, and Oceania all represented. Students are expected to write for the purposes of interpretation and analysis. The focus of this course is preparation for successful completion of the AP Exam in May.

United States History
Course Number: SS432

Offered in: 10-12 **Credits:** 1 **Level:** On level

Prerequisites:

This course is a survey of the history of the United States from Reconstruction to the present. Students are responsible for group and individual research projects, outside readings, presentations, and problem solving activities on historical issues and current events.

AP United States History
Course Number: SS431

Offered in: 10-12 **Credits:** 1 **Level:** AP/GT

Prerequisites:

This Advanced Placement course involves students in a survey of America's history from the colonial period to the present day. Students read extensively from primary and secondary sources, analyze issues and events, and prepare oral and written presentations and projects based on individual and group research. The focus of this course is preparation for successful completion of the AP Exam in May.

United States History - Dual Credit
Course Number: SS436

Offered in: 11-12 **Credits:** 1 **Level:** Dual Credit

Prerequisites: Meet TSI requirements

This course offers the opportunity for students to receive high school credit and college credit in United States History. It is a rigorous program taught at the college level, and is a study from the colonial period through current U.S. History. Students must enroll, register, and pay any associated fees to the appropriate community college.

United States Government
Course Number: SS4421/SS4422

Offered in: 12 **Credits:** .5 **Level:** On level

Prerequisites:

The primary emphasis of this course is the study of the structure and function of government and the development of political behaviors and philosophies. Civil rights, civil liberties, state and local governments, and comparative governments are included. Students are expected to examine current governmental issues and events through group and individual activities.

AP United States Government & Politics
Course Number: SS4411/SS4412

Offered in: 12 **Credits:** .5 **Level:** AP/GT

Prerequisites:

Students participate in an in-depth analysis of concepts, issues, and problems associated with the structure and function of government and the development of political behaviors and philosophies. Through extensive reading and problem-solving activities, civil rights, civil liberties, and activities of various governmental agencies are examined and evaluated. The focus of this course is preparation for successful completion of the AP Exam in May.

AP Comparative Government & Politics
Course Number: SS5611/SS5612

Offered in: 12 **Credits:** .5 **Level:** AP

Prerequisites:

Students in this course compare the governments of various countries to analyze political processes, behaviors, and their consequences. The focus of this course is preparation for successful completion of the AP Exam in May. This course does not fulfill the required Government coursework for graduation.

United States Government - Dual Credit
Course Number: SS4461/SS4462

Offered in: 12 **Credits:** .5 **Level:** Dual Credit

Prerequisites: Meet TSI requirements

This advanced level United States Government course is offered for both college and high school credits. It is a rigorous course taught at the college level that includes the study of the structure and function of government and the development of political behaviors and philosophies, as well as an examination of current governmental issues and events. Students must enroll, register, and pay any associated fees to the appropriate community college.

Economics with Emphasis on the Free Enterprise System and Its Benefits
Course Number: SS4521/SS4522

Offered in: 12 **Credits:** .5 **Level:** On level

Prerequisites:

This course emphasizes the United States economy and role of free enterprise with additional focus on demand, supply and the market. Money and banking and the consumer in a market economy are emphasized. Personal financial literacy is also a focus.

Social Studies

AP Macroeconomics

Course Number: SS4511/SS4512

Offered in: 12 Credits: .5 Level: AP/GT

Prerequisites: None

Students are engaged in a comprehensive exploration of economics and the free enterprise system which involves problem solving and analysis of macro economic principles. The completion of group and individual projects, presentations, and outside readings are expected of students in this course. The focus of this course is preparation for successful completion of the AP Exam in May. This course may be taken for Economics graduation credit or as an elective.

AP Microeconomics

Course Number: SS4571/SS4572

Offered in: 12 Credits: .5 Level: AP/GT

Prerequisites:

This course emphasizes the economic principles that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. The completion of group and individual projects, presentations, and outside readings are expected of students in this course. The focus of this course is preparation for successful completion of the AP Exam in May. This course may be taken for Economics graduation credit or as an elective.

Economics - Dual Credit

Course Number: SS4561/SS4562

Offered in: 12 Credits: .5 Level: Dual Credit

Prerequisites: Meet TSI requirements

This advanced level Economics course is offered for both college and high school credits. It is a rigorous course taught at the college level that includes the study of macro and microeconomic philosophies, as well as an examination of historical and recent economic events. Students must enroll, register, and pay any associated fees to the appropriate community college.

Sociology

Course Number: SS5221/SS5222

Offered in: 9-12 Credits: .5 Level: On level

Prerequisites:

The basic institutions of society are studied in this course as well as the tools and techniques of sociology, communication, cultural development, and change. Involvement in projects, outside readings, and problem solving activities are expected of students in this course.

Psychology

Course Number: SS5121/SS5122

Offered in: 10-12 Credits: .5 Level: On level

Prerequisites:

Students in this course study the tools and techniques of psychology that emphasize human growth and development, behavior, and development of the individual personality. Completion of group and individual projects, and presentations are expected of students in this course.

AP Psychology

Course Number: SS5111/SS5112

Offered in: 10-12 Credits: .5 Level: AP

Prerequisites:

Human behavior, theories, and philosophies of psychology will be studied in depth in this course. Students will complete research projects and read extensively. The focus of this course is preparation for successful completion of the AP Exam in May.

AP Human Geography

Course Number: SS4351/SS4352

Offered in: 10-12 Credits: .5 Level: AP

Prerequisites:

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use of, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. This course prepares students for the AP Exam in May. This course does not fulfill the World Geography credit for graduation.

AP European History

Course Number: SS591

Offered in: 10-12 Credits: 1 Level: AP

Prerequisites:

The goal of this course is to provide a narrative of events and movements in Europe from 1450 to the present. This will include the period from the High Renaissance to the recent past. In addition, students in this course will develop an understanding of some of the principle themes in modern European History, an ability to analyze historical evidence, and an ability to express that understanding and analysis in writing. This course prepares students for the AP Exam in May.

Special Topics in Social Studies - Leadership

Course Number: SS5711/SS5712

Offered in: 11-12 Credits: .5 Level: Honors

Prerequisites: None

Students will participate in an in-depth analysis of leadership and selected current and historical problems involving the application of advanced social studies skills.

Special Topics in Social Studies - American Studies

Course Number: SS5811/SS5812

Offered in: 11-12 Credits: .5 Level: Honors

Prerequisites: None

Students will analyze current and historical issues in an examination of America and its development.

Special Topics in Social Studies - World Studies

Course Number: SS9221/SS9222

Offered in: 11-12 Credits: .5 Level: Honors

Prerequisites: None

Students will analyze current and historical issues from a global perspective. The course will include research into the cause and effect of events that have had a wide impact.

Social Studies

Social Studies – Additional Courses

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SS412I World Geography I
 SS422I World History I
 SS432I US History I
 SS442I Government I
 SS452I Economics I

*The content aligns to the general education curriculum as determined by the IEP. Students receive grade level curriculum in general education with in-class support with no modified content.

SS412M World Geography M
 SS422M World History M
 SS432M US History M
 SS442M Government M
 SS452M Economics M

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified instruction in general education.

SS412A World Geography AL
 SS422A World History AL
 SS432A US History AL
 SS442A Government AL
 SS452A Economics AL

*The content aligns to the general education curriculum as determined by the IEP. Students receive alternate instruction in general education.

SE841B World Geography BC
 SE842B World History BC
 SE843B US History BC
 SE844B Government BC
 SE845B Economics BC

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in the behavior intervention class.

SE841M Applied World Geography MB
 SE842M Applied World History MB
 SE843M Applied US History MB
 SE844M Applied Government MB
 SE845M Applied Economics MB

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in the behavior intervention class.

Social Studies in Specialized Setting (Life Skills)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE641 World Geography AL
 SE624 World History
 SE643 US History AL EOC
 SE644 Government AL
 SE645 Economics AL

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in the behavior intervention class.

Social Studies in Specialized Setting (ABC)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE741 World Geography AL
 SE724 World History
 SE743 US History AL EOC
 SE744 Government AL
 SE745 Economics AL

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in the behavior intervention class.

Social Studies in Specialized Setting (FLITe)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE941F World Geography AL
 SE924F World History
 SE943F US History AL EOC
 SE944F Government AL
 SE945F Economics AL

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in the behavior intervention class.

World Languages

Spanish I

Course Number: FL112

Offered in: 9-12 Credits: 1 Level: On level

Prerequisites:

Language learners in Spanish I are expected to reach a Novice-Mid to Novice-High Proficiency Level upon completion of this course according to the TEKS for LOTE. Students in Spanish I will learn the cultural perspectives of the Spanish-speaking world, along with the practices and products that are a reflection of those perspectives. Classes are conducted in the target language for 90% of the time, with great attention to comprehensible input which includes: slower speech, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice and use English only when necessary.

Spanish II

Course Number: FL122

Offered in: 9-12 Credits: 1 Level: On level

Prerequisites: Spanish I

Language learners in Spanish II are expected to reach Novice-High to Intermediate-Low Proficiency Level upon completion of this course according to the TEKS for LOTE. Students in Spanish II will learn the cultural perspectives of the Spanish-speaking world, along with the practices and products that are a reflection of those perspectives. Classes are conducted in the target language for 90% of the time, with great attention to comprehensible input which includes: slower speech, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice and use English only when necessary.

Spanish III

Course Number: FL132

Offered in: 9-12 Credits: 1 Level: On level

Prerequisites: Spanish II

Language learners in Spanish III are expected to reach Intermediate-Low to Intermediate-Mid Proficiency Level upon completion of this course, according to the TEKS for LOTE. Students in Spanish III will learn the cultural perspectives of the Spanish-speaking world, along with the practices and products that are a reflection of those perspectives. Classes are conducted in the target language for 90% of the time, with great attention to comprehensible input which includes: slower speech, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice and use English only when necessary.

Spanish III Pre AP

Course Number: FL131

Offered in: 9-12 Credits: 1 Level: Pre AP

Prerequisites: Spanish II

Language learners in Spanish III Pre AP are expected to reach an Intermediate-Low to Intermediate-Mid Proficiency Level upon completion of this course according to the TEKS for LOTE. Students in Spanish III Pre AP will learn the cultural perspectives of the Spanish-speaking world, along with the practices and products that are a reflection of those perspectives. The six global AP Language themes are the basis of the curriculum map for this level. Classes are conducted in the target language for 90 – 100% of the time, with great attention to comprehensible input. Spanish III Pre-AP will provide specific preparation to students for Spanish IV AP Language exam.

AP Spanish Language and Culture (Spanish IV – AP)

Course Number: FL141

Offered in: 9-12 Credits: 1 Level: AP

Prerequisites: Spanish III Pre AP

Language learners in Spanish IV AP are expected to reach an Intermediate-Mid to Intermediate-High Proficiency Level upon completion of this course, according to the TEKS for LOTE. Students in Spanish IV AP will learn the cultural perspectives of the Spanish-speaking world, along with the practices and products that are a reflection of those perspectives. The course is structured around the six themes: Beauty and Aesthetics, Contemporary Life, Families and Communities, Global Challenges, Personal and Public Identities, and Science and Technology. Classes are conducted in the target language for 100% of the time, with great attention to comprehensible input. This course prepares students for the AP Exam in May.

AP Spanish Literature and Culture (Spanish V – AP)

Course Number: FL151

Offered in: 9-12 Credits: 1 Level: AP

Prerequisites: Spanish IV AP or Spanish I - III + minimum score of 3 on Spanish AP Language and Culture exam

Language learners in Spanish V AP are expected to reach an Intermediate-High to Advanced-Mid Proficiency Level upon completion of this course, according to the TEKS for LOTE. Students in Spanish V AP will learn the cultural perspectives of the Spanish-speaking world, along with the practices and products that are a reflection of those perspectives. The course is structured around the following themes: Societies in Contact, the Construction of Gender, Time and Space, Literary Creation, Interpersonal Relationships, and the Dual Nature of Being. Classes are conducted in the target language for 100% of the time, with great attention to comprehensible input. This course prepares students for the AP Exam in May.

Spanish for Spanish Speakers

Course Number: FL1021/FL1022

Offered in: 9-12 Credits: 2 Level: On level

Prerequisites: Screened for oral and written proficiency in Spanish. Apply through counselor.

Students who are heritage or native speakers of Spanish may receive credit for Spanish I & II upon successful completion of this course in one year. The main objective of this course is to “help students to continue to develop their heritage linguistic and cultural skills in order to become fully bilingual and biliterate,” so that they will be “well-positioned to live and work in an increasingly multilingual environment in the U.S.” The focus of this course is to increase the student’s proficiency level in all three modes of communication, recognizing that the needs of heritage and native speakers are different from those of non-native and non-heritage students of Spanish. Students are expected to achieve a minimum of Intermediate-Mid proficiency level by the end of this course, depending upon their beginning level.

World Languages

French I

Course Number: FL212

Offered in: 9-12 Credits: 1 Level: On level

Prerequisites:

Language learners in French I are expected to reach a Novice-Mid to Novice-High Proficiency Level upon completion of this course, according to the TEKS for LOTE. Students in French I will learn the cultural perspectives of the French-speaking world, along with the practices and products that are a reflection of those perspectives. Classes are conducted in the target language for 90% of the time, with great attention to comprehensible input which includes: slower speech, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice and use English only when necessary.

French II

Course Number: FL222

Offered in: 9-12 Credits: 1 Level: On level

Prerequisites: French I

Language learners in French II are expected to reach Novice-High to Intermediate-Low Proficiency Level upon completion of this course, according to the TEKS for LOTE. Students in French II will learn the cultural perspectives of the French-speaking world, along with the practices and products that are a reflection of those perspectives. Classes are conducted in the target language for 90% of the time, with great attention to comprehensible input which includes: slower speech, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice and use English only when necessary.

French III

Course Number: FL232

Offered in: 9-12 Credits: 1 Level: On Level

Prerequisites: French II

Language learners in French III are expected to reach Intermediate-Low to Intermediate-Mid Proficiency Level upon completion of this course, according to the TEKS for LOTE. Students in French III will learn the cultural perspectives of the French-speaking world, along with the practices and products that are a reflection of those perspectives. Classes are conducted in the target language for 90% of the time, with great attention to comprehensible input which includes: slower speech, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice and use English only when necessary.

French III Pre AP

Course Number: FL231

Offered in: 9-12 Credits: 1 Level: Pre AP

Prerequisites: French II

Language learners in French III Pre AP are expected to reach an Intermediate-Low to Intermediate-Mid Proficiency Level upon completion of this course, according to the TEKS for LOTE. Students in French III Pre AP will learn the cultural perspectives of the French-speaking world, along with the practices and products that are a reflection of those perspectives. The six global AP Language themes are the basis of the curriculum map for this level. Classes are conducted in the target language for 90 – 100% of the time, with great attention to comprehensible input. French III Pre-AP will provide specific preparation to students for French IV AP and the College Board AP French Language exam.

AP French Language and Culture (French IV – AP)

Course Number: FL241

Offered in: 9-12 Credits: 1 Level: AP

Prerequisites: French III

Language learners in French IV AP are expected to reach an Intermediate-Mid to Intermediate-High Proficiency Level upon completion of this course, according to the TEKS for LOTE. Students in French IV AP will learn the cultural perspectives of the French-speaking world, along with the practices and products that are a reflection of those perspectives. The course is structured around the six themes: Beauty and Aesthetics, Contemporary Life, Families and Communities, Global Challenges, Personal and Public Identities, and Science and Technology. Classes are conducted in the target language for 100% of the time, with great attention to comprehensible input. This course prepares students for the AP Exam in May.

French V

Course Number: FL251

Offered in: 9-12 Credits: 1 Level: Beyond AP

Prerequisites: French IV AP or French I - III + minimum score of 3 on French AP Language and Culture exam

Language learners in French V Honors are expected to reach an Intermediate-High to Advanced-Mid Proficiency Level upon completion of this course, according to the TEKS for LOTE. Students in French V Honors will learn the cultural perspectives of the French-speaking world, along with the practices and products that are a reflection of those perspectives. Classes are conducted in the target language for 100% of the time, with great attention to comprehensible input. Students may choose to take the French AP - Language and Culture exam at the end of this course.

German I

Course Number: FL312

Offered in: 9-12 Credits: 1 Level: On level

Prerequisites:

Language learners in German I are expected to reach a Novice-Mid to Novice-High Proficiency Level upon completion of this course, according to the TEKS for LOTE. Students in German I will learn the cultural perspectives of the German-speaking world, along with the practices and products that are a reflection of those perspectives. Classes are conducted in the target language for 90% of the time, with great attention to comprehensible input which includes: slower speech, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice and use English only when necessary.

German II

Course Number: FL322

Offered in: 9-12 Credits: 1 Level: On level

Prerequisites: German I

Language learners in German II are expected to reach Novice-High to Intermediate-Low Proficiency Level upon completion of this course, according to the TEKS for LOTE. Students in German II will learn the cultural perspectives of the German-speaking world, along with the practices and products that are a reflection of those perspectives. Classes are conducted in the target language for 90% of the time, with great attention to comprehensible input which includes: slower speech, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice and use English only when necessary.

World Languages

German III

Course Number: FL332

Offered in: 9-12 **Credits:** 1 **Level:** On level

Prerequisites: German II

Language learners in German III are expected to reach Intermediate-Low to Intermediate-Mid Proficiency Level upon completion of this course, according to the TEKS for LOTE. Students in German III will learn the cultural perspectives of the German-speaking world, along with the practices and products that are a reflection of those perspectives. Classes are conducted in the target language for 90% of the time, with great attention to comprehensible input which includes: slower speech, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice and use English only when necessary.

German III Pre AP

Course Number: FL331

Offered in: 9-12 **Credits:** 1 **Level:** Pre AP

Prerequisites: German II

Language learners in German III Pre AP are expected to reach an Intermediate-Low to Intermediate-Mid Proficiency Level upon completion of this course, according to the TEKS for LOTE. Students in German III Pre AP will learn the cultural perspectives of the German-speaking world, along with the practices and products that are a reflection of those perspectives. The six global AP Language themes are the basis of the curriculum map for this level. Classes are conducted in the target language for 90 – 100% of the time, with great attention to comprehensible input. German III Pre-AP will provide specific preparation to students for German IV AP and the College Board AP German Language exam.

AP German Language and Culture (German IV – AP)

Course Number: FL341

Offered in: 9-12 **Credits:** 1 **Level:** AP

Prerequisites: German III

Language learners in German IV AP are expected to reach an Intermediate-Mid to Intermediate-High Proficiency Level upon completion of this course, according to the TEKS for LOTE. Students in German IV AP will learn the cultural perspectives of the German-speaking world, along with the practices and products that are a reflection of those perspectives. The course is structured around the six themes: Beauty and Aesthetics, Contemporary Life, Families and Communities, Global Challenges, Personal and Public Identities, and Science and Technology. Classes are conducted in the target language for 100% of the time, with great attention to comprehensible input. This course prepares students for the AP Exam in May.

German V

Course Number: FL351

Offered in: 9-12 **Credits:** 1 **Level:** Beyond AP

Prerequisites: German IV AP or German I - III + minimum score of 3 on German AP Language and Culture exam

Language learners in German V Honors are expected to reach an Intermediate-High to Advanced-Mid Proficiency Level upon completion of this course, according to the TEKS for LOTE. Students in German V Honors will learn the cultural perspectives of the German-speaking world, along with the practices and products that are a reflection of those perspectives. Classes are conducted in the target language for 100% of the time, with great attention to comprehensible input. Students may choose to take the German AP - Language and Culture at the end of this course.

Latin I

Course Number: F412

Offered in: 9-12 **Credits:** 1 **Level:** On level

Prerequisites:

Language learners in Latin I are expected to reach an Intermediate-Low Proficiency Level upon completion of this course, according to the TEKS for LOTE.

This course focuses on the development of the student's ability to read Latin with comprehension. Students acquire an understanding of the influence of the Roman world on contemporary culture and also of their differences. Vocabulary and grammar are studied in the context of reading passages into which cultural information has also been integrated. Students learn how to pronounce Latin according to accepted conventions in order to read passages aloud or answer simple questions about passages or respond to classroom directions and commands. Word derivations and Latin word elements are also studied to expand the student's English vocabulary.

Latin II

Course Number: FL422

Offered in: 9-12 **Credits:** 1 **Level:** On level

Prerequisites: Latin I

Language learners in Latin II are expected to reach an Intermediate-Mid Proficiency Level upon completion of this course, according to the TEKS for LOTE. This course focuses on the development of reading and comprehension skills. Students develop a deeper understanding of the similarities and differences between the Roman world and today's world. The learning of new vocabulary and more grammatical structures is emphasized as reading progresses to longer and more complicated passages. Oral Latin is still used to help students understand reading selections. Word studies continue to be an integral part of learning Latin.

Latin III

Course Number: FL432

Offered in: 9-12 **Credits:** 1 **Level:** On level

Prerequisites: Latin II

Language learners in Latin III are expected to reach an Advanced-Low Proficiency Level upon completion of this course, according to the TEKS for LOTE. The focus of this course is on the development of the skills of reading and comprehension as students read more and more passages of slightly adapted and authentic classical Latin. Students further refine their understanding of the Roman world and its influence on contemporary culture. Reading passages include selections of prose and poetry. Advanced grammatical forms, vocabulary, figures of speech, and culture are integrated into the development of reading. This course prepares students for the College Entrance Examination Board (CEEB) Latin Achievement Test.

Latin III Pre AP

Course Number: FL431

Offered in: 9-12 **Credits:** 1 **Level:** Pre AP

Prerequisites: Latin II

Language learners in Latin III are expected to reach an Advanced-Low Proficiency Level upon completion of this course, according to the TEKS for LOTE. The focus of this course is on the development of the skills of reading and comprehension as students read more and more passages of slightly adapted and authentic classical Latin. Students further refine their understanding of the Roman world and its influence on contemporary culture. Reading passages include selections of prose and poetry. Advanced grammatical forms, vocabulary, figures of speech, and culture are integrated into the development of reading. This course will prepare students for Latin IV AP and the College Board Latin Exam.

World Languages

AP Latin (Latin IV – AP)

Course Number: FL441

Offered in: 9-12 **Credits:** 1 **Level:** AP

Prerequisites: Latin III

Language learners in Latin III are expected to reach an Advanced-Mid Proficiency Level upon completion of this course, according to the TEKS for LOTE. The focus of this course is to strengthen the ability of the student to read and understand unfamiliar passages through regular practice with reading at sight. The student will learn more about the history, politics, and culture of the ancient Romans to deepen your understanding of classic works of literature from this period. This course will prepare students for the AP Latin exam. See <https://apstudent.collegeboard.org/apcourse/ap-latin> for more information on the AP Latin Exam.

Japanese I

Course Number: FL512

Offered in: 9-12 **Credits:** 1 **Level:** On level

Prerequisites: None

Students will progress toward a Novice-Mid level of proficiency, as defined by the ACTFL standards (www.actfl.org), as they are introduced to the Five program Goals of the TEKS for Language Other Than English: Communication, Cultures, Connections, Comparisons, and Communities. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, viewing), and presentational (rehearsed and revised oral and written products). The focus of the course is authentic, real-world communication, as students make connections and compare their own language and culture to the communities of the Japanese-speaking world. Students will be introduced to the two Kana syllabaries: Hiragana and Katakana. Approximately 25 – 50 Kanji are introduced for recognition and production.

Japanese II

Course Number: FL522

Offered in: 9-12 **Credits:** 1 **Level:** On level

Prerequisites: Japanese I

Students will progress toward a Novice-Mid level of proficiency, as defined by the ACTFL standards (www.actfl.org), as they continue to develop their skills in the Five program Goals of the TEKS for skills in the Five program Goals of the TEKS for Language Other Than English: Communication, Cultures, Connections, Comparisons, and Communities. Some students may start to show evidence of the Novice-High proficiency level and beyond in speaking, Novice-Mid in writing. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, viewing), and presentational (rehearsed and revised oral and written products). The focus of the course is authentic, real-world communication, as students make connections and compare their own language and culture to the communities of the Japanese-speaking world. Students will learn an additional 100 – 125 new Kanji for recognition and production.

Japanese III

Course Number: FL532

Offered in: 9-12 **Credits:** 1 **Level:** On level

Prerequisites: Japanese II

Students will progress toward a Novice-High level of proficiency, as defined by the ACTFL standards (www.actfl.org), as they continue to develop their skills in the Five program Goals of the TEKS for Language Other Than English: Communication, Cultures, Connections, Comparisons, and Communities. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, watching), and presentational (rehearsed and revised oral and written products). The focus of the course is authentic, real-world communication, as students make connections and compare their own language and culture to the communities of the Japanese-speaking world. Students will learn an additional 100 - 125 new Kanji for recognition and production.

Japanese III Pre AP

Course Number: FL531

Offered in: 9-12 **Credits:** 1 **Level:** Pre AP

Prerequisites: Japanese II

Students will progress toward a Novice-High level of proficiency, as defined by the ACTFL standards (www.actfl.org), as they continue to develop their skills in the Five program Goals of the TEKS for Language Other Than English: Communication, Cultures, Connections, Comparisons, and Communities. Some students may start to show evidence of the Intermediate-Low proficiency level and beyond in speaking. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, watching), and presentational (rehearsed and revised oral and written products). The focus of the course is authentic, real-world communication as students make connections and compare their own language and culture to the communities of the Japanese-speaking world. Students will learn an additional 100-125 new Kanji for recognition and production. Japanese III Pre-AP will prepare students for Japanese IV AP and the College Board AP Japanese Language and Culture Exam.

AP Japanese Language and Culture (Japanese IV – AP)

Course Number: FL541

Offered in: 9-12 **Credits:** 1 **Level:** AP

Prerequisites: Japanese III

Students will progress toward an Intermediate-Low level of proficiency, as defined by the ACTFL standards (www.actfl.org), as they continue to develop their skills in the Five program Goals of the TEKS for Language Other Than English: Communication, Cultures, Connections, Comparisons, and Communities. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, viewing), and presentational (rehearsed and revised oral and written products). Students will learn an additional 100 - 150 new Kanji for recognition and production. The focus of the course is authentic, real-world communication, as students continue with a more in-depth survey of Japanese literature, civilization, and culture. The focus of this course is successful completion of the AP Japanese Language and Culture Exam administered in May.

Japanese V

Course Number: FL551

Offered in: 9-12 **Credits:** 1 **Level:** Beyond AP

Prerequisites: Japanese IV AP or Japanese I - III + minimum score of 3 on Japanese AP Language and Culture exam

Students will progress toward an Intermediate-High level of proficiency, as defined by the ACTFL standards (www.actfl.org), as they continue to develop their skills in the Five program Goals of the TEKS for Language Other Than English: Communication, Cultures, Connections, Comparisons, and Communities. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, viewing), and presentational (rehearsed and revised oral and written products). The focus of the course is authentic, real-world communication, as students continue with a more in-depth study of Japanese literature, civilization, and culture, with the main emphasis on literature related to designated course themes. Students completing Japanese V should demonstrate expanded recognition and ability to produce approximately 500 Kanji. Some students may opt to continue preparing for the AP Language as a first or second attempt.

World Languages

Chinese I

Course Number: FL612
Offered in: 9-12
Credits: 1
Level: On level
Prerequisites:

Students will progress toward a Novice-Mid level of proficiency, as defined by the ACTFL standards (www.actfl.org), as they are introduced to the Five program Goals of the TEKS for Language Other Than English: Communication, Cultures, Connections, Comparisons, and Communities. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, viewing), and presentational (rehearsed and revised oral and written products). The focus of the course is authentic, real-world communication, as students make connections and compare their own language and culture to the communities of the Mandarin Chinese-speaking world. The primary emphasis for Chinese I is oral proficiency and students will be introduced to approximately 250 Traditional and Simplified characters.

Chinese II

Course Number: FL622
Offered in: 9-12
Credits: 1
Level: On level
Prerequisites: Chinese I

Students will progress toward a Novice-Mid level of proficiency, as defined by the ACTFL standards (www.actfl.org), as they continue to develop their skills in the Five program Goals of the TEKS for Language Other Than English: Communication, Cultures, Connections, Comparisons, and Communities. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, viewing), and presentational (rehearsed and revised oral and written products). The focus of the course is authentic, real-world communication, as students make connections and compare their own language and culture to the communities of the Mandarin Chinese-speaking world. Reading and writing are given more emphasis in this second year, with students being introduced to approximately 300-400 Traditional and Simplified characters.

Chinese III

Course Number: FL632
Offered in: 9-12
Credits: 1
Level: On level
Prerequisites: Chinese II or Chinese for Chinese Speakers

Students will progress toward a Novice-High to Intermediate-Low level of proficiency, as defined by the ACTFL standards (www.actfl.org), as they continue to develop their skills in the Five program Goals of the TEKS for Language Other Than English: Communication, Cultures, Connections, Comparisons, and Communities. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, watching), and presentational (rehearsed and revised oral and written products). The focus of the course is authentic, real-world communication, as students make connections and compare their own language and culture to the communities of the Mandarin Chinese-speaking world. Students will continue to augment their recognition and writing of Traditional and Simplified characters.

Chinese III Pre AP

Course Number: FL631
Offered in: 9-12
Credits: 1
Level: Pre AP
Prerequisites: Chinese II or Chinese for Chinese Speakers

Students will progress toward an Intermediate-Low to Intermediate-Mid level of proficiency, as defined by the ACTFL standards (www.actfl.org), as they continue to develop their skills in the Five program Goals of the TEKS for Language Other Than English: Communication, Cultures, Connections, Comparisons, and Communities. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, watching), and presentational (rehearsed and revised oral and written products). The focus of the course is authentic, real-world communication, as students make connections and compare their own language

and culture to the communities of the Mandarin Chinese-speaking world. Students will continue to augment their recognition and writing of Traditional and Simplified characters. Chinese III Pre-AP will prepare students for Chinese IV AP and the College Board AP Chinese Language and Culture Exam.

AP Chinese Language and Culture (Chinese IV – AP)

Course Number: FL641
Offered in: 9-12
Credits: 1
Level: AP
Prerequisites: Chinese III

Students will progress toward an Intermediate-Mid to Intermediate-High level of proficiency, as defined by the ACTFL standards (www.actfl.org), as they continue to develop their skills in the Five program Goals of the TEKS for Language Other Than English: Communication, Cultures, Connections, Comparisons, and Communities. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, viewing), and presentational (rehearsed and revised oral and written products). The focus of the course is authentic, real-world communication, as students continue with a more in-depth survey of literature, civilization, and culture of the places where Mandarin Chinese is spoken. Students will continue to augment their recognition and writing of Traditional and Simplified characters. The focus of this course is successful performance on the AP Chinese Language and Culture Exam.

Chinese V

Course Number: FL651
Offered in: 9-12
Credits: 1
Level: Beyond AP
Prerequisites: Chinese IV AP or Chinese I - III + minimum score of 3 on Chinese AP Language and Culture exam

Students will progress toward an Intermediate-High to Advanced-Low level of proficiency, as defined by the ACTFL standards (www.actfl.org), as they continue to develop their skills in the Five program Goals of the TEKS for Language Other Than English: Communication, Cultures, Connections, Comparisons, and Communities. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, viewing), and presentational (rehearsed and revised oral and written products). The focus of the course is authentic, real-world communication, as students continue with a more in-depth study of the literature, civilization, and culture of the places where Mandarin Chinese is spoken, with the main emphasis on literature related to designated course themes. Some students may opt to continue preparing for the AP Language as a first or second attempt.

Chinese for Chinese Speakers

Course Number: FL602/FL603
Offered in: 9-12
Credits: 2
Level: On level
Prerequisites: Screened for oral and written proficiency in Mandarin Chinese. Apply through counselor.

Students who are heritage or native speakers of Chinese may receive credit for Chinese I & II upon successful completion of this course in one year. The main objective of this course is to "help students to continue to develop their heritage linguistic and cultural skills in order to become fully bilingual and biliterate" so that they will be "well-positioned to live and work in an increasingly multilingual environment in the U.S." (see Position Paper "Language Learning for Heritage and Native Speakers" at www.actfl.org) The focus of this course is on increasing students' ability to use Chinese flexibly in both formal and informal situations and on developing their literacy skills, recognizing that the needs of heritage and native speakers are different from those of non-native and non-heritage students of Chinese. Students are expected to achieve a minimum of Novice-High to Intermediate-Mid as defined by the ACTFL standards, by the end of this course, depending upon their beginning level.

World Languages

American Sign Language I

Course Number: FL712

Offered in: 9-12 **Credits:** 1 **Level:** On level

Prerequisites:

Language learners in ASL I are expected to reach a Novice-Mid to Novice-High Proficiency Level upon completion of this course, according to the TEKS for LOTE. Students in ASL I will increase awareness of cultural behaviors of the deaf signing community, and participate in group discussions and role play practices. This course will also include a brief history of ASL, and an introduction to American deaf culture and the deaf community. Classes are conducted in the target language for 90% of the time (no-voice), with great attention to comprehensible input which includes: slower signing, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice and use of English only when necessary. NOTE: Not all colleges and universities accept ASL as fulfillment of Foreign Language credit. Please check with the individual college.

American Sign Language II

Course Number: FL722

Offered in: 9-12 **Credits:** 1 **Level:** On level

Prerequisites: American Sign Language I

Language learners in ASL II are expected to reach a Novice-High to Intermediate-Low Proficiency Level upon completion of this course, according to the TEKS for LOTE. Students in ASL I will increase awareness of cultural behaviors of the deaf signing community, and participate in group discussions and role play practices. This course will also include a brief history of ASL, and an introduction

to American deaf culture and the deaf community. Classes are conducted in the target language for 90% of the time (no-voice), with great attention to comprehensible input which includes: slower signing, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice and use of English only when necessary. NOTE: Not all colleges and universities accept ASL as fulfillment of Foreign Language credit. Please check with the individual college.

American Sign Language III

Course Number: FL732

Offered in: 9-12 **Credits:** 1 **Level:** On level

Prerequisites: American Sign Language II

Language learners in ASL II are expected to reach a Intermediate-Low to Intermediate-Mid Proficiency Level upon completion of this course, according to the TEKS for LOTE. Students in ASL I will increase awareness of cultural behaviors of the deaf signing community, and participate in group discussions and role play practices. This course will also include a brief history of ASL, and an introduction to American deaf culture and the deaf community. Classes are conducted in the target language for 90% of the time (no-voice), with great attention to comprehensible input which includes: slower signing, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice and use of English only when necessary. NOTE: Not all colleges and universities accept ASL as fulfillment of Foreign Language credit. Please check with the individual college.

Physical Education/Health

Foundations of Personal Fitness

Course Number: PH1111/PH1131

Offered in: 9-12 **Credits:** .5 **Level:** On level

Prerequisites:

The purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The knowledge and skills taught in this course include teaching students about the process of becoming fit as well as achieving some degree of fitness within the class. The concept of wellness, or striving to reach optimal levels of health, is the cornerstone of this course and is exemplified by one of the course objectives—students designing their own personal fitness program.

Individual or Team Sports

Course Number:
Offered in: 9-12 **Credits:** .5-1 **Level:** On level

Prerequisites:

Students are expected to participate in a wide range of individual sports that can be pursued for a lifetime. The continued development of health-related fitness and the selection of individual sport activities that are enjoyable is a major objective of this course. In team sports, students are also expected to develop health-related fitness and an appreciation for team work and fair play.

Athletics 1, 2, 3, 4

Course Number:
Offered in: 9-12 **Credits:** 1-4 **Level:** On level

Prerequisites: Coach Approval

This course includes competitive UIL individual and team sports. Fair play and sportsmanship are included. After 2 units are earned, credit is awarded as elective credit. Activities designated as athletics include:
 BOYS - Football, Basketball, Baseball, Track, Soccer, Tennis, Golf, Swimming, Cross Country, Cheerleading
 GIRLS - Volleyball, Tennis, Basketball, Golf, Track, Swimming, Cross Country, Soccer, Cheerleading, Softball
 Students participating in athletics are required to have a physical every year and required to be in the athletic Physical Education class.

Off Campus PE (formerly Olympic Sanctioned Sports)

Course Number: PP1111/PP1112/PP1211/PP1212/PP1311/PP1312

Offered in: 9-12 **Credits:** .5-1 **Level:** On level

Prerequisites: Requires campus approval

The purpose of this course is to accommodate those students who are training at an elite level in a specific physical activity that exceeds what the school district can offer. Students can participate in either Category I or Category II. Students must receive prior approval from his/her registrar, must provide his/her own transportation, and must provide a workout schedule and attendance rosters.

PE for the Mind and Body

Course Number: PH3121/PH3122

Offered in: 9-12 **Credits:** .5 **Level:** On level

Prerequisites: Parental Permission

This course will work with the student in the context of their life—physically, nutritionally, and socially. The course supports students and their families for long-term health and awareness beyond the physical education classroom. Instructional activities will include: cardiovascular aerobic movement, fitness circuits, core strength development, nutritional education, and family support.

Health Education

Course Number: PH01111/PH01112

Offered in: 9-12 **Credits:** .5 **Level:** On level

Prerequisites:

The goal of health education is for students to demonstrate an understanding of the components of personal wellness. The health education curriculum is designed to help adolescents develop knowledge, attitudes and skills to make responsible decisions and act in ways that prevent disease and reduce health related risk behaviors. The curriculum includes content in the areas of alcohol/drug abuse prevention skills, safety and cardiopulmonary resuscitation (CPR), human growth and development, personal and social development, nutrition and healthy eating, fitness and mental health and communicable and noncommunicable diseases.

Physical Education/Health

Physical Education Substitutions

Marching band (fall semester only), cheerleading (fall semester only), JROTC and approved Off Campus PE may substitute for the physical education requirement. Students enrolled in physical education and band (fall semester only) or JROTC the same semester, may use both to meet the physical education requirement.

PE Substitution for Marching Band

Course Number: FA132

Offered in: 9 **Credits:** 1

Prerequisite: concurrent enrollment in a Band I course during the Fall semester.

Students will be concurrently enrolled in a 0.5 credit, 0-period, Pass/Fail, Marching Band PE Substitution course during the Fall semester of their freshman and sophomore year, which will meet the graduation requirement for one credit of PE.

Health & Physical Education – Additional Courses

Course Numbers: **Credits:** 1 per course

Prerequisite: ARD Committee decision

SE861 Health BC

SE800B Individual or Team Sports BC

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in the behavior intervention class.

Health in Specialized Setting (Life Skills)

Course Numbers: **Credits:** 1 per course

Prerequisite: ARD Committee decision

SE661 Health I AL

SE662 Health II AL

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in the behavior intervention class.

Health in Specialized Setting (ABC)

Course Numbers: **Credits:** 1 per course

Prerequisite: ARD Committee decision

SE761 Health I AL

SE762 Health II AL

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in the behavior intervention class.

Health in Specialized Setting (FLITE)

Course Numbers: **Credits:** 1 per course

Prerequisite: ARD Committee decision

SE961F Health I AL

SE962F Health II AL

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in the behavior intervention class.

PE in Specialized Setting (Life Skills)

Course Numbers: **Credits:** 1 per course

Prerequisite: ARD Committee decision

SE600 PE AL

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in the behavior intervention class.

PE in Specialized Setting (ABC)

Course Numbers: **Credits:** 1 per course

Prerequisite: ARD Committee decision

SE700 PE AL

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in the behavior intervention class.

PE in Specialized Setting (FLITE)

Course Numbers: **Credits:** 1 per course

Prerequisite: ARD Committee decision

SE900F PE AL

*The content aligns to the general education curriculum as determined by the IEP. Students receive modified curriculum in the behavior intervention class.

Fine Arts

Art

Art classes are designed to allow students to develop an understanding of art works and artistic skills using a hands-on approach to learning. Students develop creative abilities, problem solving skills, and critical thinking skills that allow them to appreciate all forms of the visual arts regardless of their artistic ability. Some materials are furnished by the students and in some cases an art fee is required.

Art I

Course Number: FA013

Offered in: 9-12 **Credits:** 1 **Level:** On level

Prerequisites:

Art I is a prerequisite for all other art courses in senior high school. Students examine natural and man-made objects, explore the art elements of line, value, texture, color, form, and space. Students apply the principles of art in developing and creating original artworks using a variety of media and techniques in a general, structured, step-by-step manner. Artworks of master artists as well as fellow students are studied to allow students to grow in the appreciation of art and develop evaluation skills.

Art II, Drawing I

Course Number: FA121

Offered in: 10-12 **Credits:** 1 **Level:** On level

Prerequisites: Art I or portfolio review and teacher recommendation

Drawing I provides students who have successfully completed Art I, or have demonstrated an advanced artistic ability, an opportunity to further develop their drawing skills through the use of high level thinking processes and techniques. Contour, gesture, pen and ink, pastels, mixed media, and value and perspective techniques will be studied. More challenging media, study of contemporary and ancient art, and world cultures will inspire students and help them develop an individual drawing style.

Art III, Drawing II

Course Number: FA132

Offered in: 11-12 **Credits:** 1 **Level:** On level

Prerequisites: Drawing I

Drawing II provides the serious art student an opportunity to refine and develop advanced drawing skills and techniques in a variety of media and problem solving situations including technology. Students are to create original works of art in an expressive-inventive and imaginative way. Throughout the course, the student is provided opportunity to choose from a wide variety of drawing media, techniques, and subject matter—traditional and contemporary—in order to develop a style, theme, or interpretation. In-depth design problems encourage the use of art elements and principles and include experiences in abstract, non-objective, and realistic drawing approaches. All projects and works of art are to strengthen and develop the student's portfolio.

Art IV, Drawing III

Course Number: FA142

Offered in: 12 **Credits:** 1 **Level:** On level

Prerequisites: Drawing II

Drawing III is an independent study course allowing students to develop themes and individual styles in personal art works. It provides the serious art student an opportunity to refine and develop advanced drawing skills and techniques in a variety of media and problem-solving situations including technology. Themes range from pictorial accuracy to subjective interpretation. All projects and works of art are to strengthen and develop the student's portfolio. The focus is to correspond and enhance the advanced placement drawing and two-dimensional course.

Fine Arts

Art II, Painting I

Course Number: FA223

Offered in: 10-12 Credits: 1 Level: On level

Prerequisites: Art I

Painting I offers students who have successfully completed Art I an opportunity to extend their technical skills in a variety of painting styles and media. In-depth design problems encourage research of art works of other artists and cultures and include experiences in abstract, non-objective, and realistic approaches.

Art III, Painting II

Course Number: FA232

Offered in: 11-12 Credits: 1 Level: On level

Prerequisites: Painting I

Painting II offers the continuing art students, who may be considering a career in art, the opportunity to extend and refine his/her technical skills in a variety of painting styles and media. In depth design problems encourage the use of art elements and principles and include experiences in abstract, non-objective, and realistic approaches. Personal experiences, and inventive and imaginative themes are the basic ingredient for original works of art. Studies of significant painters and how the culture and/or art period influenced their style and subject are a major focus of the course. All projects and works of art are to strengthen and develop the student's portfolio.

Art IV, Painting III

Course Number: FA242

Offered in: 12 Credits: 1 Level: On level

Prerequisites: Painting II

Painting III is an independent study course allowing students to develop themes and individual styles in personal artworks. Sources of ideas for their work come from the students' investigations of their environment for visual and for structural ideas. Students will develop understanding of form, investigating, interpreting, and reinventing a subject through multiple portrayals guiding students in thematic development. Studies of significant painters and how the culture and/or art period influenced their style and subject are a major focus of the course. The projects and works of art are to strengthen and develop the student's portfolio. The focus is to correspond and enhance the advanced placement drawing and two-dimensional course.

Art II, Ceramics I

Course Number: FA323

Offered in: 10-12 Credits: 1 Level: On level

Prerequisites: Art I or portfolio review and teacher recommendation

Ceramics I is a study of three-dimensional design in clay. Study will begin with the fundamental hand building techniques of coil and slab construction and an exploration of the clay surfaces. Students will experiment with various finishing techniques.

Art III, Ceramics II

Course Number: FA332

Offered in: 11-12 Credits: 1 Level: On level

Prerequisites: Ceramics I

Ceramics II offers an in depth study of clay for the serious student who has successfully completed Ceramics I. Students will develop personal style of expression through refining and developing skills previously introduced, as well as an introduction to wheel throwing, various clays, and glaze formulation. A historic emphasis will be placed on the evolution of studio ceramics and current issues within the field of ceramics. All projects and works of art are to strengthen and develop the student's portfolio.

Art IV, Ceramics III

Course Number: FA342

Offered in: 12 Credits: 1 Level: On level

Prerequisites: Ceramics II

Ceramics III is a course allowing students to develop themes from their environments, other cultures, and diverse historical periods. The focus of the course would be for an independent study and development of personal interests and style in ceramics. All projects and works of art are to strengthen and develop the student's portfolio. The focus is to correspond and enhance the advanced placement three-dimensional course.

Art II, Sculpture I

Course Number: FA423

Offered in: 10-12 Credits: 1 Level: On level

Prerequisites: Art I

The studio course, devoted to the three dimensional art forms, will offer the student opportunities to become more proficient in modeling and constructing original creations using additive and subtractive methods. References to both cultural and historical sculptures will allow students to recognize the value of sculpture.

Art III, Sculpture II

Course Number: FA432

Offered in: 11-12 Credits: 1 Level: On level

Prerequisites: Sculpture I

Sculpture II is an advanced art class designed for the student interested in studying in-depth three-dimensional form. Advanced additive and subtractive methods will be explored as students continue to strengthen design skills and emphasis on form and space. All projects and works of art are to strengthen and develop the student's portfolio.

Art IV, Sculpture III

Course Number: FA442

Offered in: 12 Credits: 1 Level: On level

Prerequisites: Sculpture II

Sculpture III is an independent study art class designed for the student interested in studying in-depth three-dimensional form and developing a personal style. Processes used in sculpture may include stone carving, metal casting, plaster carving, and wood and plexiglas assemblages. All projects and works of art are to strengthen and develop the student's portfolio. The focus is to correspond and enhance the advanced placement three-dimensional course.

Art II, Digital Art & Media I

Course Number: FA623

Offered in: 10-12 Credits: 1 Level: On level

Prerequisites: Art I

This lab course is the introduction of technology using an artistic focus. Students will learn to use image manipulation programs and traditional drawing, painting, photography, and layout techniques. Students will view the computer as an important tool for the artist and use computer programs to facilitate the design process of exploring, developing ideas, and producing finished work. Students will have the opportunity to transfer original artwork through various electronic and digital scanning methods. Students will learn the basics of hardware and a variety of art software programs. The student will build a visual electronic portfolio throughout the course. Careers in the field of electronic media are introduced to the students.

Art III, Digital Art & Media II

Course Number: FA624

Offered in: 11-12 Credits: 1 Level: On level

Prerequisites: Digital Art & Media I

Students will learn to use image manipulation programs and traditional drawing, painting, photography, and layout techniques. Students will view the computer as an important tool for the artist and use computer programs to facilitate the design process of exploring, developing ideas, and producing original art works. The student will build a visual electronic portfolio throughout the course. Careers in the field of electronic media will be explored and examined.

Fine Arts

Art IV, Digital Art & Media III

Course Number: FA625

Offered in: 12 Credits: 1 Level: On level

Prerequisites: Digital Art & Media II

Working independently, students choose electronic media and techniques to culminate in a mature body of work requiring use of multiple steps and processes.

AP Studio Art Drawing Portfolio

Course Number: FA811

Offered in: 10-12 Credits: 1 Level: AP

Prerequisites: Art I

This course is open to sophomores, juniors, and seniors. It is a college level course with a concentration in drawing and painting. This course stresses higher order thinking skills to better prepare the student for college entrance. Students will be required to produce a portfolio of 24 works including 5 original pieces from the breadth of concentration, a maximum of 12 concentration pieces in which the student addresses a single concern/topic and a minimum of 12 pieces (breadth) that produce evidence of the student's ability to work with a wide variety of two-dimensional problems

AP Studio Art 2-D Design Portfolio

Course Number: FA611

Offered in: 10-12 Credits: 1 Level: AP

Prerequisites: Art I

This course is open to sophomores, juniors and seniors. It is a college level course with a concentration in two-dimensional design. This course stresses higher order thinking skills to better prepare the student for college entrance. Students will be required to produce a portfolio of 24 works including 5 original pieces from the breadth of concentration, a maximum of 12 concentration pieces in which the student addresses a single concern/ topic in depth, and a minimum of 12 pieces (breadth) that produce evidence of the student's ability to work with a wide variety of two-dimensional problems.

AP Studio Art 3-D Design Portfolio

Course Number: FA711

Offered in: 10-12 Credits: 1 Level: AP

Prerequisites: Art I

This course is open to sophomores, juniors and seniors. It is a college level course with a concentration in three-dimensional design. This course stresses higher order thinking skills to better prepare the student for college entrance. Students will be required to produce a portfolio of 20 works including 5 original pieces from the breadth of concentration, a maximum of 12 concentration pieces in which the student addresses a single concern/ topic in depth, and a minimum of 8 pieces (breadth) that produce evidence of the student's ability to work with a wide variety of three-dimensional problems.

AP Art History

Course Number: FA911

Offered in: 11-12 Credits: 1 Level: AP

Prerequisites:

AP Art History is open to only juniors and seniors. It is a college level course designed to explore and analyze architecture, sculpture, painting, and the minor arts as they relate to styles and cultures from pre-historic times to the present.

Dance

Dance classes provide students with basic dance skills in ballet, tap, modern, improvisation, and jazz. Students will develop kinesthetic awareness and appreciation for the development of dance through the study of dance history. The various courses allow for the varying abilities of all students so each can develop his/her skills at an appropriate pace, which will lead the student to develop self-confidence and an ongoing appreciation for dance as an art form. There are some materials that the student is required to purchase. Cost may vary depending on the level of study.

Principles of Dance I

Course Number: FD113

Offered in: 9-12 Credits: 1 Level: On level

Prerequisites:

This is an introductory course that provides students with an exploration of the basic fundamentals of movement. Aerobic fitness dance, recreational dance, and the dance forms including ballet, folk/ethnic, jazz, tap, precision, hip hop, lyrical, and modern will challenge the students to employ both fine and gross motor skills. Students receive a brief historical overview of dance. Choreography/dance composition will be covered as well.

Principles of Dance II

Course Number: FD123

Offered in: 10-12 Credits: 1-2 Level: On level

Prerequisites: Dance I or Dance I/PE and teacher recommendation

Dance II is a continuation of the Dance I course. Students at this level demonstrate higher levels of competency in movement sequences that are increasingly more rhythmically complex and utilize a wider range of motion. Students will evaluate performances and offer thoughtful critiques of movement execution and choreographic content using correct terminology.

Principles of Dance III & IV

Course Number: FD133/FD143

Offered in: 11-12 Credits: 1-2 Level: On level

Prerequisites: Mastery of dance skills and teacher recommendation

Students use advanced skills and techniques through composition and efficiency of dance. Individual and group choreography are stressed. Participants perform in large group formats, select small groups, and solo performances.

Dance I/PE

Course Number: PA112

Offered in: 9-12 Credits: 1 Level: On level

Prerequisites:

This is an introductory course that provides students with an exploration of the basic fundamentals of movement. Aerobic fitness dance, recreational dance, and the dance forms including ballet, folk/ethnic, jazz, tap, precision, hip hop, lyrical, and modern will challenge the students to employ both fine and gross motor skills. Students receive a brief historical overview of dance. Choreography/dance composition will be covered as well. This course satisfies the PE graduation requirement.

Dance II/PE

Course Number: PA122

Offered in: 10-12 Credits: 1 Level: On level

Prerequisites: Dance I or Dance I/PE and teacher recommendation

Dance II is a continuation of the Dance I course. Students at this level demonstrate higher levels of competency in movement sequences that are increasingly more rhythmically complex and utilize a wider range of motion. Students will evaluate performances and offer thoughtful critiques of movement execution and choreographic content using correct terminology. This course satisfies the PE graduation requirement.

Dance Team I – IV

Course Numbers: FD212/FD222/FD232/FD242

Offered in: 9-12 Credits: 1 Level: On level

Prerequisite: Selection by audition only

Dance Team courses are designed for the advanced dance student. Advanced dance technique and creative expression are taught as each relates to performance in large groups, ensembles of various sizes, and individually. Students participate extensively in competitions and performances throughout the year. Students are required to purchase supplies and materials; cost may vary depending on the program and level of study. Dance Team members are required to participate in all practices and performances. Practices begin in August and continue throughout the school year. Students are selected for the Dance Team through a rigorous audition process. Students enrolled in Dance Team I will receive one PE substitution credit for their participation in the course.

Fine Arts

Music

Music classes encompass the study of different styles of music with emphasis on student performance. All students are eligible to enroll if they have the desire to improve their performance skills and acquire a better appreciation and enjoyment of music. Both sacred and secular music are studied from a historical perspective. The enrollment is divided into classes selected and balanced by the instructor. Members of select groups may be required to purchase their own school approved performance uniforms. An annual \$80 fee is charged for use of school-owned instruments. For specific cost at your school, please contact the music director. The names of the groups vary among schools. Also, the number of choirs, bands, or orchestras in each high school varies, and is determined by the number of enrolled students and their placement by the teacher. Students enrolled in Marching Band may receive a P.E. substitution for Fall semester participation.

Band I & II

Course Number: FB113/FB123

Offered in: 9-10 **Credits:** 1 **Level:** On level

Prerequisites: By audition

This course is designed for the student who has developed some proficiency in performance skills. Instrumental technique, creative expression, and music theory are taught as each relates to performance. This band is involved in numerous performances and competitions. Placement in this course is by audition only. Marching Band is required as a member of this class. Students will be concurrently enrolled in a 0.5 credit, 0-period, Pass/Fail, Marching Band PE Substitution course during the Fall semester of their freshman and sophomore year, which will meet the graduation requirement for one credit of PE.

Band III & IV

Course Number: FB133/FB143

Offered in: 11-12 **Credits:** 1 **Level:** On level

Prerequisites: By audition

Advanced band is designed for the advanced wind and percussion students. Advanced instrumental technique, creative expression, and musical interpretation are taught as each relates to performance. Music varies each year to expose students to different contemporary, modern, and classical compositions. Students are involved extensively in competitions and performances throughout the year. Placement in this band is by audition only. Marching Band is required as a member of this class.

Color Guard I-IV

Course Numbers: FB212/FB222/FB232/FB242

Offered in: 9-12 **Credits:** 1 **Level:** On level

Prerequisite: Selection by audition only

The Color Guard is the visual unit of the band program. Students participate with the Marching Band in numerous performances in the Fall semester and perform independently in Winter Guard competitions from November through April. The principles of dance and kinesthetic awareness are developed in tandem with the use of equipment, which includes flags, rifles, and sabers. Some proficiency in dance skills is preferred, although not required. Placement in this course is by audition. Students will be concurrently enrolled in a 0.5 credit, 0-period, Pass/Fail, Marching Band PE Substitution course during the Fall semester of their freshman and sophomore year, which will meet the graduation requirement for one credit of PE. Color Guard students are required to participate in all Marching Band activities, as well as all after-school rehearsals and performances. Students are required to purchase some materials and the cost may vary depending on the band program and level of study.

Orchestra I & II

Course Number: FO212/FO222

Offered in: 9-10 **Credits:** 1 **Level:** On level

Prerequisites: By audition

This course is designed for the student who has developed some proficiency in performance skills. Instrumental technique, creative expression, and music theory are taught as each relates to performance. Participants are involved in numerous performances and competitions. Placement in this course is by audition only.

Orchestra III & IV

Course Number: FO232/FO242

Offered in: 11-12 **Credits:** 1 **Level:** On level

Prerequisites: By audition

String orchestra literature is performed throughout the year. Proper instrumental technique, theory, and ear training are taught as each applies to orchestral performance. Participants are involved in numerous performances and competitions during the year. Placement in the course is by audition only.

Jazz Ensemble I - IV

Course Number: FB512/FB522/FB532/FB542

Offered in: 9-12 **Credits:** 1-4 **Level:** On level

Prerequisites: By audition

Students have initial exposure to playing jazz and improvisation techniques. Exploration of styles and rhythms utilized in American jazz through performance are the focus of this course. Students must be a member of another regular band class to enroll in jazz ensemble. (Exception: piano, bass, guitar, drums)

Choral Music I & II

Course Number: FC212/FC222

Offered in: 9-10 **Credits:** 1 **Level:** On level

Prerequisites: By audition

Choral Music is a general title for several levels of choir. Fundamentals of music and voice production are taught for the purpose of performance and competition. This class is open to all students who are interested in vocal music. Performances occur periodically throughout the year. Placement in the course is by audition only.

Choral Music III & IV

Course Number: FC232/FC242

Offered in: 11-12 **Credits:** 1 **Level:** On level

Prerequisites: By audition

Choral Music is a general title for several levels of choir. These choirs vary according to size, musical development of the students, and difficulty of the literature performed. Choral Music involves numerous performances and competitions throughout the year. Placement in the course is by audition only.

Vocal Ensemble I - IV

Course Number: FC312/FC322/FC332/FC342

Offered in: 9-12 **Credits:** 1-4 **Level:** On level

Prerequisites: By audition

Vocal ensembles are select, musical groups. Ensemble performance of the highest level is expected. Students will be involved in numerous performances/competitions. Enrollment is by audition only.

AP Music Theory

Course Number: FM122

Offered in: 11-12 **Credits:** 1 **Level:** AP

Prerequisite: Current or previous enrollment in a high school band, choir, or orchestra class or a passing score on the FBISD Music Literacy Exam

The main objective of the AP Music Theory Course is for students to develop aural, sight-singing, written, composition, and analytical skills in music. This course covers material typically taught at the college freshman level with emphasis placed on basic pitch and rhythmic notation, scale structures, pitch intervals, chord structure and movement, part writing, ear training, harmonization, and music composition. Upon completion of this course, students will be prepared to take the College Board Advanced Placement Music Theory Examination.

Music Appreciation

Course Number: FM111

Offered in: 10-12 **Credits:** 1 **Level:** On level

Prerequisites:

Students learn basic music notation and form. Major composers, performers, and artists of the Medieval, Renaissance, Baroque, Classical, Romantic, and Modern periods are studied and analyzed. This is a nonperformance course. (An extensive research paper or project is required.)

Fine Arts

Theatre Arts

Theatre Arts classes allow students to develop internal and external personal resources, create through artistic collaboration, accept constructive criticism, relate theatre to its social context, and form aesthetic judgments. Through multisensory experiences, students develop skills that lead both to creative expression, problem-solving skills, and an appreciation for the theatre as an art form.

Theatre Arts I

Course Number: FT113

Offered in: 9-12

Credits: 1

Level: On level

Prerequisites:

Theatre Arts I is a prerequisite for all other theatre arts courses in senior high school. The course is intended to be a general introduction to the fundamentals of basic theatre production techniques. Students are introduced to acting, directing, makeup application, technical work, and costuming. Theatre history is an important component of this course leading to an appreciation of the theatre. Attendance at live productions may be required.

Theatre Arts II

Course Number: FT123

Offered in: 10-12

Credits: 1

Level: On level

Prerequisites: Theatre Arts I

Theatre Arts II is designed to build on the skills learned in Theatre Arts I. Students learn advanced acting skills. Theatre production is stressed. Students learn audition techniques and advanced acting skills. Students are involved in duet acting and one-act production. Attendance at live productions may be required.

Theatre Arts III

Course Number: FT132

Offered in: 11-12

Credits: 1

Level: On level

Prerequisites: Theatre Arts II

Theatre Arts III is the study of advanced theatre techniques in design, lighting, costuming, acting, critiques, directing and auditioning skills. This is a production-oriented course. Attendance at live productions may be required.

Theatre Arts IV

Course Number: FT142

Offered in: 12

Credits: 1

Level: On level

Prerequisites: Theatre Arts III

This course is designed for the student who is serious about theatre production. Students may write their own plays, direct scenes and one act plays for public performance, and study advanced lighting, acting/characterization, costuming, and make-up. Participation in extra-curricular productions is stressed. Attendance at live productions may be required.

Technical Theatre I

Course Number: FT223

Offered in: 10-12

Credits: 1

Level: On level

Prerequisites: Theatre Arts I or permission of the instructor

Technical Theatre combines theories of design and stage craft techniques with construction and operation of production elements including set construction, property management, lighting, sound, costumes, make-up, and public relations. Attendance at live productions may be required. Time beyond the school day is expected.

Technical Theatre II

Course Number: FT232

Offered in: 11-12

Credits: 1

Level: On level

Prerequisites: Technical Theatre I

This course is designed to give the students an opportunity to build on skills learned in Tech Theatre I. They will do individual studies in the areas of lighting, costume construction and design, set design and construction, sound, makeup, props, and publicity. Students enrolled in this course will be expected to complete additional work beyond the regular school day.

Technical Theatre III

Course Number: FT242

Offered in: 12

Credits: 1

Level: On level

Prerequisites: Technical Theatre II

This course is designed to continue to build on the skills learned in Technical Theatre II. Students will do advanced individual studies in lighting, costume, and set design as well as sound, makeup, prop, and publicity techniques. Students enrolled in the class will be expected to complete additional work beyond the school day.

Theatre Production I - II

Course Number: FT323/FT332

Offered in: 9-12

Credits: 1

Level: On level

Prerequisites: Theatre Arts II or permission of the instructor

This course is designed to give the students enrolled an opportunity to put into practice basic skills learned in Theatre Arts I & II. The students will select, audition, cast, and produce a production of their choice. The students will be responsible for all production elements of this course and will produce public performances as the end result.

Theatre Production III - IV

Course Number: FT342

Offered in: 11-12

Credits: 1

Level: On level

Prerequisites: Theatre Production I

Theatre Production II is an extension of the concepts developed in Theatre Production I. Students will work together to develop all production elements involved in the presentation of a public performance as an end result.

Fine Arts – Additional Courses

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE881B Art I BC

SE882B Art II Drawing BC

FC212A Music 1/Choir 1 AL

FC222A Music 2/Choir 2 AL

FC232A Music 3/Choir 3 AL

FC242A Music 4/Choir 4 AL

* The content aligns to the general education curriculum as determined by the IEP. Students receive alternate curriculum in general education class.

Art in Specialized Setting (Life Skills)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE681 Art I AL

* The content aligns to the general education curriculum as determined by the IEP. Students receive alternate curriculum in general education class.

Art in Specialized Setting (ABC)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE7811 Art I AL

* The content aligns to the general education curriculum as determined by the IEP. Students receive alternate curriculum in general education class.

Art in Specialized Setting (FLiTe)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE981F Art I AL

* The content aligns to the general education curriculum as determined by the IEP. Students receive alternate curriculum in general education class.

Technology Applications

Fundamentals of Computer Science

Course Number: TA501

Offered in: 9-12 Credits: 1 Level: On level

Prerequisites: Basic computer skills recommended

This course offers an introduction to computer programming. Students will learn the basics of computer systems and how to design basic algorithms. Students will work with HTML, Scratch, and Python or Javascript.

Computer Science I Pre AP

Course Number: TA511

Offered in: 9-12 Credits: 1 Level: Pre AP

Prerequisites: Enrollment in or completion of Pre-AP Geometry or Teacher approval

This is an honors level initial course in problem solving, programming logic and sequencing. The content includes programming methodology, data types and structures, applications of computing, concepts associated with computer systems, and social implications of computing technology. Students who plan a career in math or science fields such as engineering, software design, research, or computer science will find this course to be a solid foundation for post-secondary course work. This course is recommended as preparation for Computer Science AP.

Computer Science II

Course Number: TA522

Offered in: 10-12 Credits: 1 Level: Honors

Prerequisites: Computer Science I Pre- AP or teacher approval with enrollment in or completion of Pre-AP Geometry

This course is a continuation for those students who are interested in a career in math or science fields such as engineering, software design, game design, research or computer science. This course focuses on more advanced data structures and object oriented programming in preparation for the Computer Science AP exam.

AP Computer Science A

Course Number: TA521

Offered in: 10-12 Credits: 1 Level: AP

Prerequisites: Computer Science Pre- AP or teacher approval with enrollment in or completion of Pre-AP Geometry

This course is a continuation for those students who are interested in a career in math or science fields such as engineering, software design, game design, research or computer science. This course focuses on more advanced data structures and object oriented programming in preparation for the Computer Science AP exam.

Computer Science III

Course Number: TA523

Offered in: 10-12 Credits: 1 Level: Honors

Prerequisites: Computer Science AP or Computer Science II H

Computer Science III will provide opportunities for students to design, implement, and present meaningful programs to address a variety of real-world situations. Students will collaborate with one another and their instructor to solve a variety of problems presented throughout the course. Students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results.

AP Computer Science Principles

Course Number: TA611

Offered in: 10-12 Credits: 1 Level: AP

Prerequisites: None

AP Computer Science Principles is designed to prepare students for the new Computer Science Principles AP Exam. This course will introduce students to the foundational concepts of computer science, and will challenge them to explore how computing and technology can impact the world. This course has a focus on creative problem solving and real-world applications, and will require completion of a year-long programming project.

Game Programming and Design

Course Number: TA514

Offered in: 10-12 Credits: 1 Level: Honors

Prerequisites: Computer Science I Pre AP or Fundamentals of Computer Science

In this computer science course, students will design and implement programs to develop programs incorporating graphics and gaming strategies. Students will identify task requirements, plan search strategies, and use programming concepts to access, analyze, and evaluate information needed to design games. A previous high school programming course is required before taking this course.

Web Design

Course Number: TA534

Offered in: 9-12 Credits: 1 Level: On level

Prerequisites: Basic computer skills recommended

Students will develop and author web pages including graphics and multimedia components. Students will also determine and employ methods to evaluate the design and functionality of WWW pages. Students will learn HTML, JavaScript, multimedia and graphics editing software, including the use of digital cameras, and scanners.

Independent Study in Technology Applications - Web Design II

Course Number: TA531

Offered in: 10-12 Credits: 1 Level: Honors

Prerequisites: Webmastering I and teacher approval

Students will engage in independent projects involving advanced techniques in web creation and management. Languages such as Java and Javascript may be used as well as database interface techniques. Activities may involve web-based multimedia and other interactive media. Students will focus on creating products used in real world applications.

Independent Study in Technology Applications - Computer Science

Course Number: TA591

Offered in: 11-12 Credits: 1 Level: Honors

Prerequisites: AP Computer Science A and teacher approval.

Students will plan and produce projects involving advanced programming techniques. Projects may focus on advanced data structures, mobile applications, robotics, graphics or game theory. Students will focus on creating products used in real world applications. This course will prepare students for post-secondary work in a computer science related field.

Technology Applications

Technology in Specialized Setting (Life Skills)

Course Numbers: **Credits:** 1 per course

Prerequisite: ARD Committee decision

SE691 Technology Integration I

SE692 Technology Integration II

* The content aligns to the general education curriculum as determined by the IEP. Students receive alternate curriculum in general education class.

Technology in Specialized Setting (ABC)

Course Numbers: **Credits:** 1 per course

Prerequisite: ARD Committee decision

SE791 Technology Integration I

SE792 Technology Integration II

* The content aligns to the general education curriculum as determined by the IEP. Students receive alternate curriculum in general education class.

Technology in Specialized Setting (FLITe)

Course Numbers: **Credits:** 1 per course

Prerequisite: ARD Committee decision

SE691 Technology Integration I

SE692 Technology Integration II

* The content aligns to the general education curriculum as determined by the IEP. Students receive alternate curriculum in general education class.

Specialized High School Programs

AVID I

Course Number: AV112

Offered in: 9 **Credits:** 1 **Level:** On level

Prerequisites: application and interview with approval by a campus committee

In the ninth grade AVID Elective course, students will work on academic and personal goals and communication, adjusting to the high school setting. Students will increase involvement in their school and community. There is an emphasis on analytical writing, focusing on personal goals and thesis writing. Student will work in collaborative settings, learning how to participate in collegial discussions and use sources to support their ideas and opinions. Students will prepare for and participate in college entrance and placement exams, while refining study skills and test-taking, note-taking, and research techniques. They will take an active role in field trip and guest speaker preparations and presentations. College research will include financial options and building their knowledge on colleges and careers of interest.

AVID II

Course Number: AV122

Offered in: 10 **Credits:** 1 **Level:** On level

Prerequisites: application and interview with approval by a campus committee

During the tenth grade AVID Elective course, students will refine the AVID strategies to meet their independent needs and learning styles. Students will continue to refine and adjust their academic learning plans and goals. As students increase the rigorous course load and school/community involvement, they will refine their time management and study skills accordingly. Students will expand their writing portfolio to include: analyzing prompts, supporting arguments and claims, character analysis and detailed reflections. Students will also analyze various documents, in order to participate in collaborative discussions and develop leadership skills in those settings. Students will expand their vocabulary use, continuing to prepare for college entrance exams and preparation. Text analysis will focus on specific strategies to understand complex texts. Lastly, students will narrow down their college and careers of interest, based on personal interests and goals.

AVID III

Course Number: AV132

Offered in: 11 **Credits:** 1 **Level:** On level

Prerequisites: application and interview with approval by a campus committee

The eleventh grade AVID Elective course emphasizes rhetorical reading, analytical writing, collaborative discussion strategies, tutorial inquiry study groups, preparation for college entrance and placement exams, college study skills and test-taking strategies, note-taking, and research. The course is the first part in a junior/senior seminar course that focuses on writing and critical thinking expected of first- and second-year college students. In addition to the academic focus of the AVID seminar, there are college-bound activities, methodologies, and tasks that should be undertaken during the junior year to support students as they apply to four-year universities and confirm their postsecondary plans.

AVID IV

Course Number: AV142

Offered in: 12 **Credits:** 1 **Level:** On level

Prerequisites: application and interview with approval by a campus committee

The AVID Elective twelfth grade course emphasizes rhetorical reading, analytical writing, collaborative discussion strategies, tutorial inquiry study groups, preparation for college entrance and placement exams, college study skills and test-taking strategies, note-taking, and research. The course is the second part in a junior/senior seminar course that focuses on writing and critical thinking expected of first- and second-year college students. In addition to the academic focus of the AVID senior seminar, there are college-bound activities, methodologies, and tasks that should be achieved during the senior year that support students as they apply to four-year universities and confirm their postsecondary plans.

Specialized High School Programs

Student Leadership

Course Number: LS133

Offered in: Credits: 1 Level: On level

Prerequisites: Membership in Student Council

This class includes all levels of students who wish to improve their leadership skills. It provides an opportunity to incorporate a variety of curriculum into the class and teaches leadership, organization, evaluation of projects, and team building as well as motivation. The curriculum is provided by the Texas Association of Student Council and is intended for students and officers of the campus' StuCo program.

Peer Assistance and Leadership (PALS) I, II

Course Number: LS112/LS122

Offered in: 11-12 Credits: 1 Level: On level

Prerequisites: application and interview with approval by a campus committee

Students learn leadership skills in goal-setting, communication, peer listening, group dynamics, project planning and implementation. Techniques and skills needed to provide programs to their peers that increase motivation, self-esteem, and student involvement are investigated. An application to join the class must be submitted in the spring. Students learn mentoring skills and assist with mentoring of elementary age students. Students earn 1 state elective credit.

Junior Reserve Officer Training Corps (JROTC) I, II, III, IV

Course Number: RO111, RO121, RO132, RO142

Offered in: 9-12 Credits: 1-4 Level: On level

Prerequisites:

Students are trained in military history, leadership, protocol, weaponry, and drill in the specific military branch. The JROTC program benefits participating students by providing opportunities for growth and development into better informed, more responsible citizens. Specific benefits to the students include scholarships, travel, and curriculum. The JROTC instructors may nominate students each year to the service academy.

College JROTC scholarships are available from many four year colleges and universities. The instructors assist students in obtaining scholarships. Field trips are scheduled each year to military installations which allow students to practice their classroom training. JROTC curriculum includes classroom academics and application of theory and psychology of leadership and behavioral science. The curriculum enhances studies in mathematics, science and social studies.

Office Aide

Course Number: NC110

Offered in: 12 Credits: 0 Level:

Prerequisites: Senior status with a sufficient number of credits to graduate

The course includes training in daily functions of the office to which the student is assigned. It is not recorded on the transcript.

Gifted/Talented Mentorship Program

Course Number: GT111

Offered in: 11 and 12 Credits: 1 Level: Honors

Prerequisites: Course is available only to juniors and seniors who have been identified as gifted/talented. Students must apply and be accepted by a review committee.

Gifted/Talented Mentorship is a two semester course. The first semester will be in seminar format. Students develop their career choices by improving their self-awareness, developing a resume, conducting research on a topic of their choice, going out into the community for informational interviews, listening to guest speakers, and taking field trips to visit local businesses. Of greater importance, students have the opportunity to research in-depth a topic of particular interest to them. This course provides the chance to independently research and study an area they have a passion for but are unable to fully develop during the course of their regular school day. The first semester culminates in a comprehensive research paper that synthesizes and analyzes all the information the student has collected during the course of the semester. The independent study is a prelude to the field experience in the second semester. During the field experience, each student will work one-on-one with a professional in his/her field of interest. Throughout the Mentorship course, independence, self-awareness, and communication will be stressed. This course requires all students to (1) travel to a central district location twice a week during the seminar portion of the course, (2) spend a minimum of 5 hours per week at the mentorship site, (3) plan, complete and present a final product at a public forum at the end of the year. Students must provide their own transportation to the seminar class and their mentorship site.

Specialized High School Programs

Professional Communication

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE810B Professional Communication BC

* The content aligns to the general education curriculum as determined by the IEP.

Students receive alternate curriculum in general education class.

Study Skills – Additional Courses

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE871 Study Skills 1 BC

SE872 Study Skills 2 BC

SE873 Study Skills 3 BC

SE874 Study Skills 4 BC

Social Skills – Additional Courses

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE872B Personal Social Skills BC

*Social Skills taught in the behavior intervention class

Work Experience

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE570 Occupational Preparation I

SE870 Occupational Preparation I BC

SE5701 Occupational Preparation II

SE8701 Occupational Preparation II BC

SE571 Vocational Experience 1

SE572 Vocational Experience 2

Work Experience in Specialized Setting (Life Skills)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE671 Vocational Skills I

SE672 Vocational Skills II

SE673 Occ Explor I

SE674 Occ Explor II

SE675 Career Preparation I

SE676 Career Preparation II

Work Experience in Specialized Setting (ABC)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE771 Vocational Skills I

SE772 Vocational Skills II

SE773 Occ Explor I

SE774 Occ Explor II

SE775 Career Preparation I

SE776 Career Preparation II

Work Experience in Specialized Setting (FLITe)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE971F Vocational Skills I

SE972F Vocational Skills II

SE973F Occ Explor I

SE974F Occ Explor II

SE975F Career Preparation I

SE976F Career Preparation II

Comm Adult Living in Specialized Setting (Life Skills)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE615 Comm Adult Living

Comm Adult Living in Specialized Setting (ABC)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE715 Comm Adult Living

Comm Adult Living in Specialized Setting (FLITe)

Course Numbers: Credits: 1 per course

Prerequisite: ARD Committee decision

SE915F Comm Adult Living

Technical Education Center (located behind Dulles High School)

Students are bombarded with the question “What are you going to do after you graduate?” It is hard to answer that question if you haven’t had the opportunity to explore careers in various fields. CTE provides challenging career pathways for all students utilizing real world practices and evolving skill sets, attitudes and behaviors. The Technical Education Center offers courses in multiple fields. Students have the opportunity to earn dual credit and/or industry certifications which prepares them for post-secondary success in community college, University, Technical Trade School or the workforce.

The Technical Education Center (TEC) was built in 1972 and was originally called the Fort Bend Area Career School. It not only housed the career programs for Fort Bend ISD, but students from Alief and Stafford were also permitted to attend. At that time, Fort Bend had only one high school, Dulles. The facility also housed the District’s vocational director and other associated staff. The facility underwent renovations in the early 1990s and was renamed the Technical Education Center. Our district’s cosmetology, fire science, auto technology, computer maintenance, welding, engineering design & presentation, hospitality services

and culinary arts programs are housed at the current campus. Fort Bend now has 11 high schools. The TEC draws students from all high schools. Students are transported by bus to the Center for their technical instructional class. Some students will also take their English Language Arts class at the Center. They are then transported back to their home campus for other courses.

How to apply to the Technical Education Center

Apply today by completing the on-line application found on the FBISD website on the Career and Technical Education Department page. Due to specific program requirements, some classes have limited enrollment. Completion of the application does not guarantee placement in a Technical Education program. Acceptance is broadly based on when a student applies, whether the student has contacted the instructor, the student’s career goals, their academic, discipline and attendance history. Students and parents may find information about the application process on the Fort Bend ISD website or by calling 281-634-5671.

Automotive • Computer Maintenance • Computer Networking • Cosmetology • Culinary • Engineering and Design • Fire Fighting • Hospitality and Tourism • Welding



TE Your future begins here!

FBISD
TECHEDCENTER

Career and Technical Education

Agriculture, Food and Natural Resources



Principles of Agriculture Food & Natural Resources

Course Number: CAG00

Offered in: 9-11 **Credits:** 1 **Level:** On Level

Prerequisites: None

This is an introductory class for all later agriculture courses. Classroom instruction includes the study of breeds of beef, swine, sheep, poultry and dairy cattle; livestock management including vaccination and care of animals and basic shop work is included. Students are also introduced to FFA History and parliamentary procedures.

Livestock Production

Course Number: CAG06

Offered in: 10-12 **Credits:** 1 **Level:** On Level

Prerequisites: Principles of Agriculture Food & Natural Resources or teacher approval

Students will develop knowledge and skills pertaining to the nutrition, reproduction, health and management of animals and will study livestock breeds.

Wildlife, Fisheries & Ecology Management

Course Number: CAG03

Offered in: 10-12 **Credits:** 1 **Level:** On Level

Prerequisites: Principles of Agriculture, Food & Natural Resources or teacher approval

Students will study the identification and habitat of all game and fish species. Study includes management and production of both the land and sea and their continuing ecology. Boating safety, deer and duck hunting, archery, fishing, and gun safety are also studied. Students may also earn Hunter and Boater Safety certificates.

Veterinary Medical Applications

Course Number: CAG07

Offered in: 11-12 **Credits:** 1 **Level:** On Level

Prerequisites: Principles of Agriculture Food & Natural Resources, Biology

This course introduces students to veterinary science and animal industries. Students have the opportunity to develop technical skills in health, nutrition, examinations, diseases, sanitation and regulatory programs of small and large animals.

Principles & Elements of Floral Design

Course Number: CAG11

Offered in: 10-12 **Credits:** 1 **Level:** On Level

Prerequisites:

This class will satisfy a Fine Arts credit requirement while preparing students for careers in the floriculture industry. Students will gain knowledge of floral design and associated skills including design principles, plant identification and classification, enterprise management skills, and employability characteristics. A floral fee will be required each semester.

Horticulture Science

Course Number: CAG13

Offered in: 11-12 **Credits:** 1 **Level:** On Level

Prerequisites: Principles & Elements of Floral Design or teacher approval

Through hands on agricultural improvement projects, students study the maintenance of plant collections as well as the production and growth of greenhouse and nursery plant life. Landscaping techniques and knowledge of basic plant structure and careers in the industry are also acquired.

Agribusiness Management & Marketing

Course Number: CAG04

Offered in: 11-12 **Credits:** 1 **Level:** On Level

Prerequisites: Recommended Principles of Agriculture, Food & Natural Resources or teacher approval

This course is designed to provide a foundation to agribusiness management and the free enterprise system. Instruction includes the use of economic principles such as supply and demand, budgeting, record keeping, finance, risk management, business law, marketing and careers in agribusiness.

Agricultural Mechanics & Metal Technologies

Course Number: CAG09

Offered in: 10-12 **Credits:** 1 **Level:** On Level

Prerequisites: Recommended Principles of Agriculture, Food, and Natural Resources or teacher approval

This course is designed as an introduction to agriculture mechanics as students learn the basics of arc welding, oxyacetylene cutting, aluminum MIG and TIG welding, plasma cutting, and basic carpentry. Students will be required to meet safety requirements in power tools, welding, and metal cutting technologies.

Agricultural Facilities Design & Fabrication

Course Number: CAG10

Offered in: 11-12 **Credits:** 1 **Level:** On Level

Prerequisites: Agricultural Mechanics & Metal Technologies

This course prepares students for careers in agriculture mechanical systems. Students will attain skills in designing structures, repairing equipment, and hands on learning of welding and construction skills. Certification opportunities are also available to help further student success.

Career and Technical Education

Architecture and Construction



Principles of Architecture & Construction

Course Number: CAC00

Offered in: 9-11 Credits: 1 Level: On Level

Prerequisites: None

In this introductory course, students explore various fields of architecture, interior design, construction science, and construction technology. Class fees may apply.

Architectural Design

Course Number: CAC01

Offered in: 10-12 Credits: 1 Level: On Level

Prerequisites: Algebra I, Geometry, Principles of Architecture & Construction or teacher approval

Learn the basic skills needed for a career in architectural design and construction or prepare for a college degree in architecture or a related field. Students produce drawings and scaled models for commercial or residential purposes using required tools, techniques, and historical data. Class fees may apply.

Advanced Architectural Design

Course Number: CAC02

Offered in: 11-12 Credits: 2 Level: On Level

Prerequisites: Architectural Design

Students continue to envision and create architectural designs, drawings and scaled models for residential or commercial purposes. Additional knowledge and skills specific to those needed to enter a career in architecture and construction are explored and applied through project-based learning.

Construction Management

Course Number: CAC02

Offered in: 10-12 Credits: 1 Level: On Level

Prerequisites: Algebra I, Geometry, Principles of Architecture & Construction or teacher approval

Within this course, students learn the safety rules and skills needed to become a carpenter, building maintenance supervisor, or prepare for a college degree in architecture, construction science, drafting or engineering. Students also discover the function and application of tools, equipment, technologies, and materials utilized in a construction environment. Class fees may apply.

Interior Design

Course Number: CAC04

Offered in: 10-12 Credits: 1 Level: On Level

Prerequisites: Algebra I, Principles of Human Services or Principles of Architecture & Construction or Architectural Design or teacher approval

Interior designers make critical judgments that affect the function and environment of rooms in residential and commercial structures. Focus areas for this course include: color, elements, and principles of design, furniture and period styles; lighting and accessories, window treatments, floor coverings, blueprint symbols, and floor plans.

Arts, Audio/Video Technologies and Communication



Principles of Arts, AV Technology & Communications

Course Number: CAT00

Offered in: 9-11 Credits: 1 Level: On Level

Prerequisites: None

Today, it is not enough to be artistic and creative. Students also need a strong academic background, excellent computer and technology skills, and the ability to communicate effectively via writing and speaking. This is a necessary course for anyone who wants to pursue a career in the arts or media.

Audio/Video Production

Course Number: CAT05

Offered in: 10-12 Credits: 1 Level: On Level

Prerequisites: Principles of Arts, A/V Technology and Communications or teacher approval

This course introduces students to the technical skills, practices, and equipment used in the audio and video production industry with a focus on the basics of pre-production, production, and post-production.

Advanced Audio/Video Production

Course Number: CAT08

Offered in: 11-12 Credits: 2 Level: On Level

Prerequisites: Audio/Video Production

In addition to developing an advanced understanding of the audio and video production industry, students will be introduced to more advanced skills and techniques to aid them in producing original content.

Graphic Design & Illustration

Course Number: CAT02

Offered in: 11-12 Credits: 1 Level: On Level

Prerequisites: Principles of Arts, Audio/Video Technology, & Communications

In this course students learn about graphic design and illustration that covers aspects of advertising and visual communication. While creating original three-dimensional projects in multimedia applications, students will also learn about copyright laws, advanced technology, and editing skills.

Fashion Design

Course Number: CAT03

Offered in: 10-12 Credits: 1 Level: On Level

Prerequisites: Principles of Arts, Audio/Video Technology & Communications or Principles of Human Services or teacher approval

In this course students will learn about fashion and textiles, evaluate factors that influence the apparel industry, and study what impacts consumer purchases of apparel and accessories. Students use current technology and production techniques to complete an apparel projects.

Advanced Fashion Design

Course Number: CAT04

Offered in: 11-12 Credits: 2 Level: On Level

Prerequisites: Fashion Design

Students in this class will apply advanced techniques to create a portfolio of fashion designs while constructing custom made garments using professional procedures in fitting, pattern making and pattern alteration.

Career and Technical Education

Animation

Course Number: CAV01

Offered in: 11-12 **Credits:** 1 **Level:** On Level

Prerequisites: Graphic Design & Illustration

This course introduces students to motion graphics, an important element in many video productions. Animation can be found in video journalism, cartoons, and many films. Students will also learn about animation history in this course.

Professional Communications

Course Number: CAT011

Offered in: 9-12 **Credits:** .5 **Level:** On Level

Prerequisites: None

In this course students will read, write, edit, speak, and listen. Students will also use software applications, manipulate graphics within documents and presentations, and conduct Internet research to improve your interpersonal skills in a professional setting.

Business



Principles of Business, Marketing & Finance

Course Number: CBU00

Offered in: 9-11 **Credits:** 1 **Level:** On Level

Prerequisites: None

Students will be introduced to global markets, how goods and services are priced, the basic concepts of distribution, and apply software skills to create professional documents and presentations similar to those used in the real world.

Touch System Data Entry

Course Number: CBU01

Offered in: 9-12 **Credits:** .5 **Level:** On Level

Prerequisites: None

Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. These skills will assist students in developing business documents and presentations.

Business Information Management I

Course Number: CBU02

Offered in: 10-12 **Credits:** 1 **Level:** On Level

Prerequisites: Recommended Principles of Business, Marketing & Finance

Students in this class learn computing skills in order to create authentic word processing documents, functional spreadsheets and databases, and professional PowerPoint presentations. Employment skills and basic business problem solving are also learned concepts.

Business Information Management I – Dual Credit

Course Number: CBU05

Offered in: 10-12 **Credits:** 1 **Level:** On Level

Prerequisites: Recommended Principles of Business, Marketing & Finance

This dual credit course will allow students to apply technical skills to address business applications of emerging technologies. Students in this class will be tasked with creating original advanced work using software for word processing, databases, spreadsheets, and presentations.

Global Business

Course Number: CBU04

Offered in: 11-12 **Credits:** .5 **Level:** On Level

Prerequisites: Recommended Principles of Business, Marketing & Finance or teacher approval

This course teaches students how international economies are interrelated, the different policies and laws controlling trade, as well as cultural differences in the world market. Students will also learn how global markets can serve as a haven for or barrier against international business opportunities.

Business Management

Course Number: CBU03

Offered in: 11-12 **Credits:** 1 **Level:** On Level

Prerequisites: Recommended Principles of Business, Marketing & Finance or teacher approval

Managing a business requires many skills such as planning, organizing, staffing, directing, and leading. In addition, there are ethical, financial, technological, and social aspects of business that must be considered. In this class, students will develop a broad base of knowledge that lays the foundation for appropriate management decisions.

Business Law

Course Number: CBU08

Offered in: 11-12 **Credits:** .5 **Level:** On Level

Prerequisites: Recommended Principles of Business, Marketing & Finance

In this course students will learn the difference between civil and criminal law as they incorporate a broad base of knowledge that will assist them in making appropriate business decisions throughout their life. Topics include torts, contract law, negligence, personal and real estate property, and concepts regarding agencies and employment.

Practicum in Business Management

Course Number: CBU11 - 2HR

Offered in: 11-12 **Credits:** 2 **Level:** On Level

Prerequisites: Principles of Business, Marketing & Finance, at least 16 years old, transportation to the job, and completed application and acceptance.

In conjunction with classroom management studies, students will apply their knowledge to required career preparation employment to help them become proficient in one or more of the functional business areas. Students will learn and apply classroom skills to work skills that employers require.

Practicum in Business Management II

Course Number: CBU13 - 2HR CBU14 - 3 HR

Offered in: 12 **Credits:** 2-3 **Level:** On Level

Required: Completion of Practicum in Business Management, at least 16 years old, transportation to the job, and completed application and acceptance.

Students continue acquiring and applying the skills needed for success in business careers through classroom learning and required on the job training. Advanced management techniques, career exploration, and interpersonal skills are further developed within this course.

Career and Technical Education

Education and Training



Human Growth & Development

Course Number: CET00

Offered in: 10-12 **Credits:** 1 **Level:** On Level

Prerequisites: Principles of Human Services or teacher approval

Understanding human growth and development is critical to becoming a successful educator. This course covers a wide range of topics from psychology to human development and pre-natal period to late adulthood. This is an excellent resource for anyone considering a career in education.

Finance



Securities & Investments

Course Number: CF101

Offered in: 10-12 **Credits:** .5 **Level:** On Level

Prerequisites: Principles of Business, Marketing and Finance or teacher approval

Students in this course will be introduced to stocks, bonds, mutual funds, and real estate. They will also explore the career opportunities in this field. Students will also simulate the buying and selling of securities and investments to see how they earn profits or losses.

Accounting I

Course Number: CF102

Offered in: 11-12 **Credits:** 1 **Level:** On Level

Prerequisites: Recommended, Principles of Business, Marketing and Finance or teacher approval

In this course students will learn how accounting is impacted by industry standards as well as economic, financial, technological, international, social, legal and ethical factors. In addition, students will simulate accounting functions in order to see how people and businesses keep track of their assets.

Health Science



Medical Terminology

Course Number: CHL05

Offered in: 9-11 **Credits:** .5 **Level:** On Level

Prerequisites: None

In this course students learn the terms that are specific to the health care field and increase their comprehension of medical procedures, human anatomy and physiology, and pathophysiology. Terms range from major body systems to diagnosis. Medical word definitions, uses, and a study of root words, suffixes, prefixes and etymology will be covered.

Principles of Health Science

Course Number: CHL00

Offered in: 10-11 **Credits:** 1 **Level:** On Level

Prerequisites: None

Students in this course get an overview of diagnostics, various medical support systems, medical terminology, basic anatomy and physiology, and the ethical and legal concerns in health care. Students also learn about various careers in the medical field.

Health Science

Course Number: CHL01

Offered in: 11-12 **Credits:** 2 **Level:** Honors

Required: Application and acceptance into course, Medical Terminology and Principles of Health Science

In this course students develop an understanding of what it takes to work in health care through a conjunction of classroom learning and clinical observations. Students are exposed to supervised health facility visits to develop an advanced understanding of medical careers. Course fees may apply.

Anatomy & Physiology

Course Number: CHL03

Offered in: 10-12 **Credits:** 1 **Level:** On Level

Prerequisites: Completed 3 years of high school science, including Biology

This class will satisfy a Science credit requirement while extending the student's knowledge and understanding of the human body in respect to its structure and function. This course is lab-oriented and teaches proper dissection techniques as well as various physiological phenomena. Recommended for students interested in medically related careers.

Medical Microbiology

Course Number: CHL08

Offered in: 11-12 **Credits:** .5 **Level:** On Level

Prerequisites: Completed 3 years of high school science including Biology, Chemistry

Students in Medical Microbiology explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. This course is recommended for students interested in medically related careers. *This CTE course counts as a Science credit.

Pathophysiology

Course Number: CHL09

Offered in: 11-12 **Credits:** .5 **Level:** On level

Prerequisites: Completed 3 years of high school science

Students study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology in laboratory and field investigations. This course is recommended for students interested in medically related careers. *This CTE course counts as a Science credit.

Counseling & Mental Health

Course Number: CHL07

Offered in: 11-12 **Credits:** 1 **Level:** On Level

Prerequisites: Recommended Principles of Human Services

Students will learn verbal and nonverbal communication skills while researching career options and the preparation necessary for employment in the field of mental health.

Career and Technical Education

Hospitality and Tourism



Culinary Arts I (Tech Ed)

Course Number: CHT01

Offered in: 11-12 Credits: 2 Level: On Level

Prerequisites: Recommended Principles of Human Services, Lifetime Nutrition & Wellness

Required: Application and acceptance into course

Students in this course will learn the fundamentals and principles of cooking along with sanitation and safety requirements. In addition, students will learn and apply the management and supervision skills needed to run the back of house at a restaurant while earning appropriate industry certifications. This class is hands-on and laboratory based by operating within an authentic kitchen and restaurant. Course fees apply - \$75.

Practicum in Culinary Arts (Tech Ed)

Course Number: CHT05

Offered in: 12 Credits: 2 Level: On Level

Prerequisites: Culinary Arts I

Required: At least 16 years old, transportation to the job, and completed application and acceptance.

This course is a unique practicum that provides occupationally specific opportunities for students to combine their classroom instruction with actual culinary career experiences. Students will integrate academic, technical, and work related skills as they participate in culinary jobs within the community. Course fees apply - \$75.

Hospitality Services (Tech Ed)

Course Number: CHT02

Offered in: 11-12 Credits: 2 Level: On Level

Prerequisites: None

Required: Application and acceptance is required

Students will learn the management and supervision skills needed to run the front of house at a restaurant. This course is hands-on and engages students in the operation of an authentic restaurant. This class prepares students for industry certifications, postsecondary education, and entry-level careers in hospitality and tourism. Course fees apply - \$40.

Food Science

Course Number: CHT04

Course Number: CHT04

Offered in: 11-12 Credits: 1 Level: On level

Prerequisites: 3 science credits including Chemistry

This class will satisfy a Science credit requirement as students study the nature of foods, the causes of deterioration, the principles underlying food processing and the improvement of foods for the consuming public. Students will conduct laboratory and field investigations and use scientific methods to make informed decisions using critical thinking and scientific problem solving.

Human Services



Principles of Human Services

Course Number: CHS13

Offered in: 8-11 Credits: 1 Level: On Level

Prerequisites: None

Students investigate human services careers, including counseling and mental health, early childhood development, family and community, and personal care services. This course addresses a broad range of skills related to personal development and management, promotion of strong families, nutrition and dietary practices, and budget management concepts.

Lifetime Nutrition & Wellness

Course Number: CHS03

Offered in: 10-12 Credits: .5 Level: On Level

Prerequisites: Recommended Principles of Human Services, Principles of Hospitality and Tourism, or Principles of Health Science

Learn how to stay healthy for the rest of your life. This course explores the role of nutrients in the body and examines the long term effects of food choices. Students will analyze current lifestyle habits that increase health risks, important food buying strategies, and investigate careers in nutrition.

Practicum in Human Services

Course Number: CHS05

Offered in: 11-12 Credits: 2 Level: On Level

Prerequisites: Recommended completion of 2 or more courses in Human Services cluster

Required: At least 16 years old, transportation to the job, completed application and acceptance

This course provides occupationally specific training and focus on the development of consumer services, early childhood development, counseling and mental health, and family and community services careers.

Cosmetology I (Tech Ed)

Course Number: CHS04

Offered in: 11 Credits: 3 Level: On Level

Prerequisites: Recommended Principles of Human Services or Fashion Design

Required: Application and acceptance into course

Students coordinate integration of academic, career and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Class fees apply - \$650 one time fee.

Cosmetology II (Tech Ed)

Course Number: CHS06

Offered in: 12 Credits: 3 Level: On Level

Prerequisites: Cosmetology I

Required: Completion of Cosmetology I, application and acceptance into course

Students will continue to acquire clock hours started in Cosmetology I. The development of advanced essential skills are learned through instruction in sterilization and sanitation process, hair care, nail care and skin care which meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination at the end of this course. Class fees apply.

Career and Technical Education

Information Technology

Principles of Information Technology

Course Number: CIT10

Offered in: 8-11 Credits: 1 Level: On Level

Prerequisites: None

Students will develop computer literacy skills that adapt to emerging technologies used in the global marketplace and be prepared for a rapidly evolving workplace environment. Students will also enhance reading, writing, computing, communication and reasoning skills and apply them to the information technology environment. Class fees may apply.

Computer Maintenance (Tech Ed)

Course Number: CIT04

Offered in: 11-12 Credits: 2 Level: On Level

Prerequisites: Recommended Principles of Information Technology

In this class students will acquire knowledge of computer maintenance. Learned topics include electrical and electronic theory, computer hardware principles, and broad level components related to the installation, diagnosis, service, and repair of computer systems.

Telecommunications & Networking (Tech Ed)

Course Number: CIT05

Offered in: 11-12 Credits: 2 Level: On Level

Prerequisites: Recommended Principles of Information Technology, Computer Maintenance

This course will provide learners with a better understanding of telecommunications and data network services. Students examine various types of configurations and upgrading, recognize the many network components, and learn how to develop and implement a network design plan.

Digital & Interactive Multimedia

Course Number: CIT03

Offered in: 10-12 Credits: 1 Level: On Level

Prerequisites: Recommended Principles of Information Technology

Digital & Interactive Multimedia provides hands-on experience with current technology. Students will use their creativity and skills to create and edit interactive multimedia presentations, digital images, sound, movies, and will be introduced to animation and web pages.

Law and Public Safety

Principles of Law, Public Safety, Corrections & Security

Course Number: CLS00

Offered in: 9-11 Credits: 1 Level: On Level

Prerequisites: None

Principles of Law, Public Safety, Corrections & Security introduces students to professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, private security and protective agencies. The course provides students with an overview of the skills necessary for careers in these areas.



Law Enforcement I

Course Number: CLS01

Offered in: 10-12 Credits: 1 Level: On Level

Prerequisites: Principles of Law, Public Safety, Corrections & Security or teacher approval

Law Enforcement I is an overview of the history, organization, and functions of local, state and federal law enforcement. This course includes the role of constitution law, the United States legal system, criminal law, law enforcement terminology and the classification and elements of crime.

Law Enforcement II

Course Number: CLS03

Offered in: 11-12 Credits: 1 Level: On Level

Prerequisites: Law Enforcement I

Law Enforcement II is designed to give the student insight into the areas of emergency communications, ethical and legal responsibilities, and courtroom testimony topics. Students will also gain experience in Computer Aided Dispatching (CAD) through the use of simulation software and equipment as well as through direct observation of people employed in this field. Students will use simulated radio communications systems and participate in simulated 911 calls. Learners are also prepared for certification tests required for employment as an emergency dispatcher.

Forensic Science

Course Number: CLS08

Offered in: 11-12 Credits: 1 Level: On Level

Prerequisites: Biology, Chemistry

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scenes, while collecting and analyzing evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis.

Court Systems & Practices

Course Number: CLS02

Offered in: 11-12 Credits: 1 Level: On Level

Prerequisites: Law Enforcement I

Public servants in this field hold positions of great responsibility and are obligated to follow a strict code of ethics. Learn about federal and state court systems, roles of judicial officers and the trial process from pretrial to sentencing. Examine the types and rules of evidence, constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation.

Fire Fighter I - College Now (Tech Ed)

Course Number: CLS05

Offered in: 11-12 Credits: 2 Level: On Level

Prerequisites: Recommended Principles of Law, Public Safety, Corrections & Security

HCC tuition is to be paid per semester for students not living in HCC's district. Students living in HCC's district take this course free. This advanced level course is designed for students interested in a career and post-secondary education in the fire science and rescue field. Course fees apply.

Fire Fighter II - College Now (Tech Ed)

Course Number: CLS07

Offered in: 12 Credits: 2 Level: On Level

Prerequisites: Fire Fighter I.

This is a dual credit course and the second course in a series for students studying Fire Fighter safety and development. The final phase is taken at HCC after graduation. Course fees apply

Career and Technical Education

Manufacturing



Principles of Manufacturing

Course Number: CMA00

Offered in: 9-11 **Credits:** 1 **Level:** On Level

Prerequisites: None

In this course students will gain knowledge in the application, design, and production of products, services and systems as they apply to manufacturing. Job-specific and employability skills are acquired through classroom study and hands-on lab applications. Classroom fees may apply.

Welding (Tech Ed)

Course Number: CMA04

Offered in: 11-12 **Credits:** 2 **Level:** On Level

Prerequisites: Recommended Principles of Manufacturing

Required: Application and acceptance

In this course students will learn the skills and techniques in welding including obtaining measurements, performing welds, evaluating and inspecting welds, and compliance. This course is designed as the starting point for the American Welding Society Certification Program. Classroom fees apply - \$40.

Advanced Welding (Tech Ed)

Course Number: CMA05

Offered in: 12 **Credits:** 2 **Level:** On Level

Prerequisites: Recommended Algebra I or Geometry and Welding.

Required: Application and acceptance

Students will advance their skills in vertical and horizontal welding along with special processes including hardfacing, prepping, and painting. Students will operate arc, oxyacetylene, MIG and other advanced welders utilizing various base metals, filler metals and flux coating. Classroom fees apply - \$40.

Marketing



Advertising and Sales Promotion

Course Number: CMR02

Offered in: 10-12 **Credits:** .5 **Level:** On Level

Prerequisites: Principles of Business, Marketing & Finance or teacher approval

This course focuses on the concepts and skills associated with the dynamic advertising industry. Students will learn the goals and objectives of advertising, analyze industry techniques, utilize various types of media, and develop advertising campaigns to increase sales and reach target audiences.

Sports & Entertainment Marketing

Course Number: CMR04

Offered in: 10-12 **Credits:** .5 **Level:** On Level

Prerequisites: Principles of Business, Marketing & Finance or teacher approval

Students will learn the marketing concepts and techniques used to successfully promote events and talent within the sports and entertainment industries. Acquired knowledge of target marketing, product endorsement, sponsorship, promotions, and the development of marketing plans are covered in this course.

Entrepreneurship

Course Number: CMR03

Offered in: 11-12 **Credits:** 1 **Level:** On Level

Prerequisites: Recommended Principles of Business, Marketing & Finance

This class provides students with the marketing knowledge and skills needed to open and operate a small business. By identifying opportunities, creating business plans, and engaging in real world entrepreneurial projects, students will gain insight into the free enterprise system while learning about the planning required for starting a business.

Career and Technical Education

STEM

Introduction to Engineering Design

Course Number: CST08

Offered in: 9-10 **Credits:** 1 **Level:** On Level

Prerequisites: None

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. Working both individually and in teams, students will design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work. Class fees may apply.

Principles of Engineering

Course Number: CST11

Offered in: 10-11 **Credits:** 1 **Level:** On Level

Prerequisites: Introduction to Engineering Design

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. Course fees may apply.

Engineering Design & Problem Solving

Course Number: CST01

Offered in: 11-12 **Credits:** 1 **Level:** On Level

Prerequisites: Geometry, Algebra II, Chemistry, and Physics.

Engineering Design and Problem Solving reinforces and integrates skills learned in previous mathematics and science courses. This course emphasizes solving problems, moving from well defined toward more open ended, with real world application. Students apply critical-thinking skills to justify a solution from multiple design options. Additionally, the course promotes interest in and understanding of career opportunities in engineering. *This CTE course counts as a science credit.

Scientific Research & Design

Course Number: CST000

Offered in: 11-12 **Credits:** 1 **Level:** On Level

Prerequisites: two units of high school science.

This class will satisfy a Science credit requirement by providing an opportunity to extend student training in laboratory techniques. Students identify methodologies of basic and applied research, build experimental models, mock-ups or prototypes, investigate economics impact of the researched solution, and organize technical data. Students will develop a research project in a scientific field, and are encouraged to work with a mentor off-site in a laboratory setting.



Engineering Design & Presentation (Tech Ed)

Course Number: CST02

Offered in: 11-12 **Credits:** 2 **Level:** On Level

Prerequisites: Introduction to Engineering Design or teacher approval

Learners are introduced to the process of design as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Additionally, students will develop skills for managing a project, proper work habits, and concepts of sketching and skills associated with computer-aided drafting and design.

Advanced Engineering Design & Presentation (Tech Ed)

Course Number: CST05

Offered in: 11-12 **Credits:** 2 **Level:** On Level

Prerequisites: Engineering Design and Presentation.

This course further develops the concept of engineering design and thought, by applying the design process to long-term projects in engineering and architectural engineering. Students take an Advanced CAD Certification exam at the end of the year.

Transportation, Distribution and Logistics

Automotive Technology (Dual Credit)

Course Number: CTD00

Offered in: 11-12 **Credits:** 2 **Level:** On Level

Prerequisites: None

Required: Application and acceptance into course

In this course students will learn the function of major automotive systems and the principles of diagnosing and servicing them. Students will remove, repair, and replace engine components as they service and repair various systems including brakes, steering and suspension, electrical, air-conditioning, heating and accessories, as well as repair chassis and power train components. Course fees may apply.

Advanced Automotive Technology (Dual Credit)

Course Number: CTD01

Offered in: 11-12 **Credits:** 2 **Level:** On Level

Prerequisites: Automotive Technology

Required: Application and acceptance into course

In this course students will perform regular audits and inspections, analyze malfunctions and remove, repair, and replace engine components. In addition, students will test, diagnose, service and repair air, fuel, ignition, emissions, and drive systems. Course fees may apply.



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Jill Lowe – ESL Coordinator

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