Fairfield Local High School
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Class Scheduling Information and Course Catalog

2024-2025 School Year

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Graduation Requirements

Twenty-one (21) credits and a passing score on all of end of course exams: Alg I and ELA II OR completing one of four pathways: 1.) College Credit Plus, 2.) ACT or SAT score, 3.) Military Enlistment, or 4.) Demonstrate two career-focused activities. Students must also earn 2 Graduation Seals (one must be a State Seal) and complete 20 hours of community service.

Courses must include:

- 4 English
- 4 Math (must include Algebra I, Geometry, Algebra II)
- 3 Science (must include Physical Science, Biology and one of the following: Chemistry, Physics or other advanced science class.)
- 3 Social Studies (must include World Studies, American Studies and Government)
- ½ Health
- ½ Physical Education
- Careers I & II
- 1 Fine Art
- ½ Financial Literacy (Class of 2026)

OHIO HIGH SCHOOL HONORS DIPLOMAS (Class of 2025, only)

Criterion	Academic Honors Diploma – all but one criteria must be met	International Baccalaureate Honors Diploma - all but one criteria must be met	Career Tech Honors Diploma – all but one criteria must be met	STEM Honors Diploma – all but one criteria must be met	Arts Honors Diploma – all but one criteria must be met	Social Science & Civic Engagement Honors Diploma – all but one criteria must be met.
Math	4 units – Algebra I, Geometry, Algebra II, Advanced Math or Above	4 units – Algebra I, Geometry, Algebra II, Advanced Math or Above	4 units – Algebra I, Geometry, Algebra II, Advanced Math or Above	5 units – Algebra I, Geometry, Algebra II, Advanced Math and one other higher content course[4]	4 units – Algebra I, Geometry, Algebra II, Advanced Math or Above	4 units – Algebra I, Geometry, Algebra II, Advanced Math or Above
Science	4 units , including two units of advanced science[2]	4 units, biology, chemistry, and at least one additional advanced science[2]	4 units, including two units of advanced science[2]	5 units, including two units of advanced science[2]	3 units, including one unit of advanced science[2]	3 units, including one unit of advanced science[2]
Social Studies	4 units	4 units	4 units	3 units	3 units	5 units
World Languages	3 units of one language, or two units each of two languages	4 units minimum, with at least 2 units in each language studied	2 units of one language	3 units of one language, or two units each of two languages	3 units of one language, or two units each of two languages	3 units of one language, or two units each of two languages
Fine Arts	1 unit	1 unit	N/A	1 unit	4 units	1 unit
Electives	N/A	N/A	4 units of Career-Technical minimum[3]	2 units with a focus in STEM courses	2 units with a focus in fine arts coursework	3 units with a focus in social sciences and/or civics
GPA	3.50 on a 4.0 scale	3.50 on a 4.0 scale	3.50 on a 4.0 scale	3.50 on a 4.0 scale	3.50 on a 4.0 scale	3.50 on a 4.0 scale
ACT/SAT/WorkKeys	27 ACT/1280 SAT[8]	27 ACT/1280 SAT[8]	27 ACT/1280 SAT[8]/WorkKeys – 6 Reading and 6 Math	27 ACT/1280 SAT[8]	27 ACT/1280 SAT[8]	27 ACT/1280 SAT[8]

Field Experience	N/A	Complete a field experience and document the experience in a portfolio specific to your area of focus[5].	Complete a field experience and document the experience in a portfolio specific to your area of focus[5].	Complete a field experience and document the experience in a portfolio specific to your area of focus[5].	Complete a field experience and document the experience in a portfolio specific to your area of focus[5].	Complete a field experience and document the experience in a portfolio specific to your area of focus[5].
Portfolio	N/A	Develop a comprehensive portfolio of work based on your field experience or a topic related to your area of focus that is reviewed and validated by external experts[6].	Develop a comprehensive portfolio of work based on your field experience or a topic related to your area of focus that is reviewed and validated by external experts[6].	Develop a comprehensive portfolio of work based on your field experience or a topic related to your area of focus that is reviewed and validated by external experts[6].	Develop a comprehensive portfolio of work based on your field experience or a topic related to your area of focus that is reviewed and validated by external experts[6].	Develop a comprehensive portfolio of work based on your field experience or a topic related to your area of focus that is reviewed and validated by external experts[6].
Additional Assessments	N/A	N/A	Earn an industry-recognized credential or achieve proficiency benchmark.	N/A	N/A	N/A

Notes for Honors:

For the Academic, International Baccalaureate, and Career Tech Honors Diplomas, students who entered the ninth grade between July 1, 2013 and June 30, 2017 may choose to pursue the diploma by meeting the requirements of these criteria or the previous criteria. Students entering the ninth grade on or after July 1, 2017 must meet these criteria.

Completion of any advanced standing program, which includes Advanced Placement, International Baccalaureate, College Credit Plus, and may include Credit Flexibility, can be counted toward the unit requirements of an Honors Diploma.

Students must meet all but one of the criteria to qualify for an Honors Diploma, and any one of the criteria may be the one that is not met.

Diploma with Honors requirements pre-suppose the completion of all high school diploma requirements in the Ohio Revised Code including: ½ unit physical education (unless exempted), ½ unit health, ½ unit in American history, ½ unit in government, and 4 units in English. The class of 2021 and beyond will need to have ½ unit in world history and civilizations as well.

[1] Writing sections of either standardized test should not be included in the calculation of this score. The Locating Information test is not included in the calculation of the WorkKeys score.

[2] Advanced science refers to courses that are inquiry-based with laboratory experiences and align with the 11/12th grade standards (or above) or with an AP science course, or with an entry-level college course (clearly preparing students for a college freshman-level science class, such as anatomy, botany, or astronomy).

[3] Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post-secondary credit.

[4] The fifth mathematics and science credit for the STEM honors diploma may be fulfilled with a single course.

[5] Field experience refers to experiential learning in either an internship or apprenticeship. Students will document their experiences by describing their understanding in a portfolio.

[6] The student portfolio is a collection of experiential learning and competencies based on the student's field experiences. Students will engage with professionals or scholars in the field while developing their own portfolio or ePortfolio of original work that documents their technical, critical and creative skills representative of their honors focus; students' work must be reviewed and evaluated by scholars or professionals within the field/area of study in which the students' work is focused, and the scholars or professionals must be external to the district staff; students will give a presentation to showcase the work and provide an analysis of it to the school and local community. If the student does not complete a field experience, the portfolio can be based on a collection of work related to the student's honors diploma area of focus.

[7] Students must score a minimum of a 6 on the Applied Mathematics WorkKeys Assessment and a minimum of 6 on the Reading for Information WorkKeys Assessment in order to meet the WorkKeys score requirement. The WorkKeys option applies only to the Career Tech Honors Diploma.

[8] These scores are based on the 2016 ACT and SAT assessments. Concordance tables outlining equivalent scores for past and future tests that differ from the 2016 versions will be published on the ODE website. Tables to concord SAT assessments taken prior to March 2016 can be found online. Further information on test concordance can also be found online.

Direct link to ODE with Honors information for Class 2025:
http://education.ohio.gov/getattachment/Topics/Ohio-Graduation-Requirements/Graduation-Requirements-2014-2017/Criteria-for-Diploma-with-Honors/Honors-Diploma-Revised-Grid.pdf.aspx

Direct link to ODE criteria for Field Experience for Honors:
http://education.ohio.gov/getattachment/Topics/Ohio-s-Graduation-Requirements/Honors-Diplomas/International-Baccalaureate-Honors-Diploma/Field-Experience-guidance.pdf.aspx

Direct link to ODE criteria for Portfolio for Honors:
http://education.ohio.gov/getattachment/Topics/Ohio-s-Graduation-Requirements/Honors-Diplomas/International-Baccalaureate-Honors-Diploma/Portfolio-guidance.pdf.aspx

Class of 2026 & Beyond Honors Diploma (can be used for Class of 2025)

Requirements	**State Minimum** May substitute ONE of the World Language, GPA, or ACT/SAT requirements with a "Student Strength Demonstration"			**Status** Must meet ALL BUT ONE of the criteria	
Math	Fourth Math must be >Algebra 2			☐ Met	☐ NOT met
Science	One additional unit Advanced Science			☐ Met	☐ NOT met
Social Studies	One additional unit of Social Studies			☐ Met	☐ NOT met
Seal Requirement	Earn two additional diploma seals, not including the Honors Diploma Seal			☐ Met	☐ NOT met
Experiential Learning	Field Experience, Ohio Means Job Readiness Seal*, Portfolio, or Work Based Learning			☐ Met	☐ NOT met
World Languages	☐ Three sequential units of one world language, or no less than 2 sequential units of two world languages studied	**OR**	**Can only have ONE substitute:** ☐ Student Strength Demonstration: : ▾ _____	☐ Met	☐ NOT met
GPA	☐ 3.5 on a 4.0 scale	**OR**	☐ Student Strength Demonstration: : ▾ _____	☐ Met	☐ NOT met
ACT/SAT	☐ ACT: Score of 27 or higher, SAT: Score of 1280 or higher (superscores may be used)	**OR**	☐ Student Strength Demonstration: : ▾ _____	☐ Met	☐ NOT met

***Students can use OMJ Readiness Seal in 2 additional seals requirements if it is not used in Experiential Learning.**

Student Strength Substitution Options: College Credit Plus: 12 total College Credit Plus credits, Advanced Placement: three courses with score of 3 or higher on AP tests, Career-Technical Assurance Guide (CTAG): 12 total credits, Apprenticeship/Pre-Apprenticeship: Completion or Evidence of Acceptance if required to be older than 18, WorkKeys: Score of 6 or higher on all tests (*void for Career-Tech Honors Diploma), Armed Services Vocational Battery: Score of 50 or above on the ASVAB, Work-Based Learning: 250 total hours of work-based learning.

Link to all 6 honors diploma criteria: Class of 2026 & Beyond Honors Diplomas Handout

WHAT IS A GRADE POINT AVERAGE (GPA)?

Every final grade that is earned in any high school course becomes part of your overall high school grade point average. This is an important factor* in your personal portfolio as you compete for college entrance and scholarships. It is your responsibility to know and check your GPA as you go through high school.

Here is how you do that:

A = 4.00 A- = 3.66 B+ = 3.33 B = 3.00	B- = 2.66 C+ = 2.33 C = 2.00 C- = 1.66	D+ = 1.33 D = 1.00 D- = 0.66 F = 0.00	*Other factors are difficulty of courses taken, grades earned in each course, class rank and scores on standardized tests (SAT or ACT).

Grading Scale

Course	Letter Grade	Numerical		Credit		Quality Points
English 9	B+	3.33	X	1.00	=	3.33
Phys. Science	A-	3.66	X	1.00	=	3.66
Phys. Ed.	A	4.00	X	.25	=	1.00
Art I	B	3.00	X	.50	=	1.50
Ag.	B-	2.66	X	1.25	=	3.33
				4.00		12.82

GPA = quality points divided by attempted credits: 12.82 ÷ 4 = 3.205
Each student's GPA is recalculated at the end of each semester (twice each year.)
Classes with a grade of pass/fail are not entered into the GPA.
All Post-Secondary Options grades are entered into the GPA.

Starting 2022-23 school year for the Class of 2026 - 4.5 Weighted GPA Scale

AP,Honors or Equivalent CCP	General Track	
A = 4.5	A = 4.0	Honors courses receive an additional .5 value. Grades of D+ and lower do not receive the added point value. CCP classes that are aligned to Honors classes will receive the same 0.5 additional value. Advanced Placement and International Baccalaureate courses receive the additional 0.5 value. Grades of D+ and lower do not receive the added point value.
A- = 4.2	A- = 3.7	
B+ = 3.8	B+ = 3.3	
B = 3.5	B = 3.0	
B- = 3.2	B- = 2.7	
C+ = 2.8	C+ = 2.3	
C = 2.5	C = 2.0	
C- = 2.2	C- = 1.7	
D+ = 1.3	D+ = 1.3	
D = 1.0	D = 1.0	
D- = 0.7	D- = 0.7	
F = 0.0	F = 0.0	

Suggested Honors Course Track

8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	AP Courses for Juniors or Seniors
Honors Algebra I	Honors English 9	Honors English 10	Honors English II	Honors English 12	AP English
	Honors Physical Science	Honors Biology	Honors Chemistry	Honors Physics	AP Psychology
	Honors Geometry	Honors Algebra II	Honors PreCalculus	Honors PreCalculus	
			Honors Anatomy	Honors Calculus	
				Honors Anatomy	

*Students are not required to enroll in all Honor courses.

POSSIBLE GRADUATION AWARDS

Valedictorian
The student(s) in a graduating class who earned an honors diploma or career/technical honors diploma and has the highest cumulative GPA. ***In the event of a tie, the highest ACT score (or SAT equivalent) will be the tie breaker.***

Salutatorian
The student(s) in a graduating class who earned an honors diploma or career/technical honors diploma and has the second highest cumulative GPA. ***In the event of a tie, the highest ACT score (or SAT equivalent) will be the tie breaker.***

National Honor Society
Candidates eligible for selection to the Fairfield Local High School chapter of the NHS must be members of the junior or senior class. Candidates eligible for selection to the chapter shall have a minimum cumulative grade point average of 3.5 on a 4.0 scale. Upon meeting the grade level and GPA requirement, candidates shall then be considered based on their service, leadership, and character by the Faculty Council with a majority vote needed for admission.

President's Award for Academic Excellence (Given by the US President's Office)
Requirements: 3.5 GPA and 85th percentile in math and/or reading on a standardized test (ACT or SAT)

Academy of Scholars
Seniors who have been members for four years, wear gold cords at graduation. Students must be enrolled in at least 3 classes at the high school to be eligible. Requirements: 3.5 GPA for the first, second and third nine weeks. No grade lower than a "B-" and no exam grade lower than a "C-".

Honor Roll
Honor Roll is determined each nine week grading period. In order to be eligible for the Honor Roll, a student must not have any marks less than a B- on their report card. To be eligible, students must be enrolled in at least 3 courses at Fairfield High School.

REQUIREMENTS FOR ATHLETIC ELIGIBILITY

Academic Guidelines

Student-athletes must carry a minimum of *5* (or equivalent) units of credit per year in order to be considered for eligibility.

- Student-athletes must have passing grades in a minimum of 5 classes or the equivalent per eligibility period in order to be eligible for the next nine weeks
- "Eligibility period" is defined as a nine week grading period. The exact starting and ending dates for the eligibility periods are per the Official School Calendar.
- The official "change dates" for eligibility are usually the fifth school day following the end of an eligibility period. The exact change dates are per the Official School Calendar.

NCAA Requirements

Students planning to attend a division I or II college as student athletes must register with the NCAA Clearinghouse at https://www.ncaa.org/ their junior year. A college preparatory schedule must be taken in high school. Division I and II require 16 core courses. Students must have taken 10 of the 16 before their 7th semester. The ACT is also required. ACT scores must be sent from ACT directly to the NCAA. Use code 9999. The following core classes have been approved by NCAA: CP English 9, CP English 10, CP English 11, CP English 12; CP Algebra I, CP Geometry, CP Algebra II, Pre-Calculus, Calculus, World Studies, American Studies, American Government, European History, Psychology, CP Physical Science, CP Biology, Zoology, Chemistry, Environmental Biology, Physics, Anatomy, Spanish I, Spanish II, Spanish III, Spanish IV.

NAIA Requirements

Students planning to attend an NAIA college must register at https://play.mynaia.org/ their junior year and meet two of the three following requirements: 1. Achieve a minimum of 18 on the ACT; 2. Achieve a minimum overall high school GPA of 2.0; 3. Graduate in the top half of the graduating class. ACT scores must be sent from ACT directly to the NCAA. Use code 9876.

>> AP COURSE OFFERINGS - Junior/Senior

Florida Online Academy (https://www.flvs.net/online-high-school-courses#apCourses)

AP English Language and Composition

Credit:1
Prerequisite: English 1 and 2
This course provides high school students with college-level instruction in analyzing and writing various texts. The course covers topics in language and rhetoric as well as expository and persuasive writing. Students become skilled readers of prose written in various periods, disciplines, and rhetorical contexts. This course fulfills one required English credit for high school graduation. To help allow for course completion prior to the AP exams in May, FLVS closes enrollment for full-credit courses at the end of September.

AP English Literature and Composition

Credit: 1
Prerequisite: English 1, 2, and 3
This course provides college-level instruction in active, close reading and analysis of imaginative literature. Through the close reading of carefully selected works of literary merit, students learn to consider how a work's style, figurative language, theme, and other literary elements contribute to its cultural significance. This course meets one required English credit for high school graduation. To help allow for course completion prior to the AP exams in May, FLVS closes enrollment for full-credit courses at the end of September.

AP Psychology
Credit: 1
Prerequisite: N/A
Immerse yourself in the scientific study of human behavior and cognition. In this college-level course, you will learn important terms, concepts, and phenomena associated with each major area of psychology and enhance your critical thinking skills. This course provides elective credit only. To help allow for course completion prior to the AP exams in May, FLVS closes enrollment for full-credit courses at the end of September.

COLLEGE CREDIT PLUS (CCP)

This program allows students who meet the criteria to take college classes while in high school. Students and parents must attend the required information meeting and the Intent Form must be turned in to the guidance office before April 1st of the preceding year in order to be eligible. Students may attend off-site, online or take on-site courses offered at Fairfield Local High School taught with Fairfield teachers through Southern State Community College (SSCC). In order to take the courses at Fairfield as a CCP course, the student MUST apply to SSCC CCP program and be accepted.

Courses offered at Fairfield with Fairfield teachers:

CHEMISTRY 1120 will be offered to those students who enrolled in the CCP program and have passed Physical Science and Biology with a "B" or higher. This course is equivalent to high school Chemistry and is not in the transfer module.

AGRI1107 - Principles of Animal Science will be offered to those students who enrolled in the CCP program and have passed two previous Ag Ed Courses with a "B" or higher. *Please refer to the Ag Ed section of this course catalog for the description for this course.

AGRI1126 - Livestock Feeds & Feeding will be offered to those students who enrolled in the CCP program and have passed two previous Ag Ed Courses with a "B" or higher. *Please refer to the Ag Ed section of this course catalog for the description for this course.

Wilmington College Agriculture Articulation Agreement
Students who earns a 2.40/4.0 GPA and successfully completes one (1) Agricultural Education course per school year for each credit hour earned. Student must satisfy all WC admission requirements, complete the ***Articulated Credit Application*** process, and enroll at WC as a degree-seeking student within 24 months following high school graduation to be eligible for this credit. After WC verifies successful completion (grades of C or better) of AAES courses as listed above, and upon the student's successful completion of 16 semester hours with a minimum cumulative GPA of 2.00 through WC, WC agrees to grant two (1) to four (4) semester hours of AGR285 Agriculture Practicum credit as follows: one (1) semester hour for one (1) AAES courses in one (1) school year; two (2) semester hours for two (2) AAES courses in two (2) school years; and three (3) semester hours for three (3) AAES course in three (3) school years; and four (4) semester hours for four (4) AAES courses in four (4) school years. There will be no charge for college credit awarded through this agreement.

University of Toledo (UT) and SSCC Online
Students will be given a class period and use of a computer during school hours to work on the following courses. Students must complete an online application to UT's and/or SSCC's CCP program before the end of the school year.

UT:
ENGL 1020 English Comp I
SOC 1750 Social Problems
ANTH 2800 Cultural Anthropology
FILM 1310 Intro to Film
ARTH 1500 Art in History
PSC 1200 Am. National Gov't
THR 1110 Intro to Theatre

SSCC: **BIOL 1104** Human Biology I
ECON 2205 Principles of Microeconomics
ENGL 1102 English Composition II
BIOL 2206 Anatomy & Physiology I
ENGL 1101 English Composition I
PSYC 1110 Principles of Psych

LAUREL OAKS CAREER CAMPUS

***IMPORTANT NOTE:** Students who submit an application to attend Laurel Oaks are required to attend **TEN** days before being permitted to transfer back to Fairfield High School. After **TEN** school days, no student will be permitted to transfer back to Fairfield High School from Laurel Oaks during that school year.

Laurel Oaks serves school districts in Clinton, Fayette, and Highland counties with career-technical programs. The campus is located next to the Wilmington Air Park. High school students residing in participating school districts may attend Laurel Oaks (or any Great Oaks campus) and earn certification in a career field as well as college credit while completing their high school requirements. Students attending Great Oaks receive a high school diploma from their home school when they complete their graduation requirements. They may participate in their high school's commencement exercises.

Career programs at Laurel Oaks include: Animal Science and Management, Automotive Refinishing & Collision Repair, Automotive Service Technician – Mechanics, Aviation Maintenance Technician, CareerX, Construction Technologies, Cosmetology, Dental Assisting, Digital Arts and Design, Equine (Horse) Science and Management, Exercise Science and Sports Medicine, Health Technology, Heathing, Ventilating & Air Conditioner, Heavy Equipment Operations and Engineering, IT Academy, Industrial Diesel Mechanics, Law Enforcement and Welding & Fabrication. Other career programs are available at other Great Oaks campuses. For a complete list go to https://hs.greatoaks.com/campuses/laurel-oaks . Daily transportation is provided to and from Laurel Oaks campus. Students who wish to enroll at Live Oaks (Milford), Scarlet Oaks (Sharonville), or Diamond Oaks should see a counselor for more information. Students attending Great Oaks may participate in all extra-curricular activities at their home high school if scheduling and transportation can be arranged.Attendance at Great Oaks is free for high school students.

FAIRFIELD LOCAL HIGH SCHOOL - DESCRIPTION OF COURSE OFFERINGS

General Requirements for all students: No student shall be assigned to more than 80 minutes of non-instructional time in any one day. Non-instructional time includes study hall, office assistant, early senior release, gym or library aide, etc.

»»ARTS

Art I
Elective Course
Grades Offered: 9, 10, 11, 12
Credit: ½
Prerequisite: None
Students will explore the elements of art and complete projects demonstrating each one. Students will learn drawing and painting skills and will create a three-dimensional piece as well. Some eras of art history will also be explored. Students will also learn how to assess their own work and the work of their peers and give constructive feedback for revision and improvement of projects. The course is concluded with an independent project in which students demonstrate the skills they have learned throughout the semester.

Art II
Elective Course
Grades Offered: 9, 10, 11, 12
Credit: ½
Prerequisite: Art I with a C or better
Students will explore the principles of design and complete projects demonstrating each one. Students will develop drawing, painting, and printmaking skills and will explore other media as well. Some eras of art history

will be explored. Students will also continue to assess their own work and the work of their peers and give constructive feedback for revision and improvement of projects. There will be some opportunities for students to create independent projects in which they will demonstrate the principles of art they are learning throughout the semester.

Art III & IV
Elective Courses
Grades Offered: 10, 11, 12
Credit: 1 (each)
Prerequisite: Art II with a C or above.
Emphasis is on the study of color theory and the use of various painting mediums including oils and acrylic. Projects in clay and ceramics are also included. An advanced portraiture unit will be explored and time allowed for exploration of individual interests through individual projects. This course may be repeated once for credit.

Graphic Design
Elective Course
Grades Offered: 10, 11, 12
Credit: 1
Prerequisite: Art I with a C or above, must apply to class and be accepted.
The Graphic Arts class is responsible for designing and producing the entire yearbook cover-to-cover. Students will use an online design program to complete the year-long project. Students are expected to attend extra-curricular events and are expected to sell four business advertisements during the school year. Prior knowledge of photo-editing software is not required, but is helpful.

High School Band
Elective Course
Grades Offered: 9, 10, 11, 12
Credit: 1 (5 periods per week)
Prerequisite: MS (for incoming Freshmen) or HS Band or prior approval from the director (private lessons)
The Fairfield High School Band is composed of instrumental musicians who play at least one instrument with a good degree of competency. A wide variety of instrumental literature is played. In the fall, the high school marching band performs at several parades, (along with the possibility of performing at several marching band festivals and performing as guests at area football games). The high school marching band performs at the Homecoming basketball game. In the winter and spring months the high school concert band performs at least three (3) major concerts plus contests each year. Pep Band and other ensemble members are selected from the high school band. Members are REQUIRED to attend all performances. Grades are based on class participation, in-class quizzes and attendance at performances.

High School Choir
Elective Course
Grades Offered: 9, 10, 11, 12
Credit: 1 (5 periods per week)
Prerequisite: MS Choir (for incoming Freshmen) or HS Choir or an audition with approval from director
The Fairfield High School Choir is open to and comprises men and women in the high school who wish to sing and learn the correct way to sing (including vowel placement, vocalizing, consonants, sight singing and proper breathing). A wide variety of vocal literature is selected. Concentration is on the fundamentals of the voice and music reading. Choir gives its members an opportunity to develop their singing abilities, and to gain a greater appreciation for all types of music. The choir sings at least four major concerts and several small concerts during the year. Members are REQUIRED to attend all performances. Grades are based on class participation, in-class quizzes, and attendance at performances.

History of Rock Music
Elective Course
Grades Offered: 9, 10, 11, 12
Credit: ½
Rock 'n' roll was youth culture's way of roaring onto the scene in later 20th-century America and Europe. It energized the revolutions and protest movements of the 1960s, while helping popularize African-American musical elements around the globe and then giving voice to the fragmenting of popular taste in the 1970s and documenting the economic consolidations of the 1980s.This course is a historical survey of rock 'n' roll, combining a review of musical elements with issues of history, generational identity, ethnicity and broader ideas of culture. We will begin with blues from the 1920s, and will end with a look at the ways rock split up in the later 20th century to the present day into various genres (like metal, grunge, alternative, indie, hip-hop, glam and punk). In the process, we will track the roles played by those who have tried to censor and commercialize rock 'n' roll, and talk about the role of nostalgia as rock has slowly started giving way to other forms of music. Special attention will be focused on Elvis Presley, the Beatles, the Beach Boys, Queen and Nirvana.

Music Theory (offered every other year)
Elective Course
Grades Offered: 10, 11, 12
Credit: 1
The Music Theory course is designed to enhance music skills and basic music fundamentals. The essential aspects of melody, harmony, rhythm, and form are studied. Throughout the course of the year students will study basic notation, scales, key signatures, intervals, triads, cadences, non-chord tones, form, part-writing and analysis of a score. Aural dictation and ear training are also an integral part of the course and will be taught throughout the year. Individual creativity is nurtured through both rhythmic and melodic composition.

History of Film Score (offered every other year)
Elective Course
Grades Offered:9, 10, 11, 12
Credit: ½
History of Film Score is a semester course beginning in the late 1800s with silent films and through to the present day, this course provides an overview of the major stylistic trends and musical influences that led to the development of film scoring as a vital and living dramatic art form. We will discuss and analyze the lives and works of significant composers, ranging from the romantic/operatic orchestral tradition to the influences of popular styles such as jazz, rock, and song scores. Examples of composers are John Williams, Hans Zimmer, Michael Giacchino, Alan Menken…etc. By the end of the course, students will be confident with identifying and analyzing Film Scores.

Guitar (offered every other year)
Elective Course
Grades Offered: 11, 12
Credit: ½
Guitar 1 is a semester course covering the basics of the instrument and an application of essential music fundamentals. Students will learn the basics of playing guitar at a beginning level through studying music notation, chord symbols, and peer modeling. The main objective of this course is to create an enhanced appreciation for music through playing
the guitar. Students will learn how to read music notation, chord symbols, and tablature. Students will also gain a better understanding of many different musical genres including classical, flamenco, blues, jazz, rock, and pop music.

Dance (offered every other year)
Elective Course
Grades Offered: 11, 12
Credit: ½
Dance 1 is a semester course that covers the fundamental techniques and vocabulary in many styles of dance. Dance will be a dual function class consisting of paperwork and also physical movement (Dancing). Students will cover dance history and explore basic choreography; examples of dances are: Waltz, Tango, Salsa, Cha Cha, Swing, Foxtrot, Rumba, Hustle, Mambo, Square Dancing, and several more.. Emphasis will be placed on technique, movement skills, knowledge, history, and aesthetics of each dance style.

Theater History
Elective Course
Grades Offered: 11, 12
Credit: ½
The course will focus on the extensive history of theater and performance arts in multiple societies, and how it has affected society throughout the ages. Theater and performing arts is a staple of many cultures and social interactions across the world. The class will examine the impact of theater from the content of the piece being performed to the actual environmental factors a theater has on society. Elements of the course will highlight the origins of theater from ancient Greece to the contemporary theater of present day in a comprehensive view of international scale. Students will engage in the history of theater, in-depth studies of famous playwrights throughout history, and key plays and drama pieces performed in all capacities while tying in stage and theater architecture analysis of famous landmarks important to the history of performance arts.

Acting
Elective Course
Grades Offered: 11, 12
Credit: ½
The course will be an introduction to performance art and the theory behind acting and speaking in front of an audience. The study of focus will be on the physical movement on a stage or space as well as the art of speaking and movement to express thoughts and emotions in rhetoric. The class will also highlight and put in practice proper speaking techniques and public speaking skills in a general sense to prepare students for real world experiences. The acting will range from the performance of dramatic to comedic scenes offering a wide variety of expression through language and movement. There will also be a focus on the specific analysis of stagecraft and how movement on a stage contributes to the art of performance and the impact of the scene.

»»BUSINESS

Business Foundations/Careers I
Required Course
Grade: 9
Credit: ½
This is the first course for the Business and Administrative Services, Finance and Marketing career fields. It introduces students to specializations within the three career fields. Students will obtain knowledge and skills in fundamental business activities. They will acquire knowledge of business processes, economics and business relationships. Students will use technology to synthesize and share business information. Employability skills, leadership and communication and personal financial literacy will be addressed.

Fundamentals of Business and Administrative Services/Careers II
Required Course
Grade: 10
Credit: ½
This is the first course specific to the Business and Administrative Services career field. It introduces students to the specializations offered in Business and Administrative Services. Students will obtain fundamental knowledge and skills in general management, human resources management, operations management,

business informatics and office management. They will acquire knowledge of business operations, business relationships, resource management, process management and financial principles. Students will use technological tools and applications to develop business insights.

Office Management/Morning Announcements
Elective Course
Grades Offered: 10, 11, 12
Credit: 1
Students will apply techniques used to manage people and information in a business environment. Students will learn to build relationships with clients, employees, peers and stakeholders and to assist new employees. They will manage business records, gather and disseminate information, and preserve critical artifacts. They will also examine contracts, internal controls and compliance requirements. Business office tools and applications will be emphasized. Students will apply techniques used to manage and produce a year long Morning Announcement. This will require to be on video, record, edit and publish content Monday-Friday.

Legal Environment of Business
Elective Course
Grades Offered: 10, 11, 12
Credit: 1
Students will examine all aspects of business law including the judicial system, differences between types of laws and origins of laws, administrative and employment laws and laws impacting individuals as well as businesses. Students will also research real estate and debtor and creditor laws and regulations. Students will learn to support attorneys by conducting legal research and preparing fully-compliant legal documents. Compliance and contract law will be emphasized.

Database Application
Elective Course
Grades Offered: 10, 11, 12
Credit: 1
Students will use developer strategies to manipulate data, present database systems theory, and develop database applications. Students will learn to import and export data, manipulate table properties, make advanced queries, and run basic SQL forms and reports. Students will develop macros for automating database tasks and building menu-driven applications. Knowledge and skills of data modeling, diagraming, query writing, and design theory will be developed.

Medical Terminology
Elective Course
Grades Offered: 10, 11, 12
Credit: 1
This course focuses on the applications of the rules for constructing and defining medical terms with an emphasis on building a working medical vocabulary, Topics include using the appropriate abbreviations and symbols for anatomical, physiologic and pathological classifications and the associated medical specialities and procedures. Students will decipher medical terms by identifying and using word elements with an emphasis on derivation, meaning and pronunciation. Further, students will interpret and translate medical records and documents.

Operations Management
Elective Course
Grades Offered: 10, 11, 12
Credit: 1
Students will learn to plan, organize and monitor day-to-day business activities. They will use technology to plan production activities, forecast inventory needs, and negotiate vendor contracts. Students will also calculate break-even, set cost-volume-profit goals, and develop policies and procedures to promote workplace safety and security. They will design sustainability plans and use lean and six sigma principles to plan for

quality improvement. Corporate social responsibility, ethics, risk management and compliance will be emphasized.

Management Principles
Elective Course
Grades Offered: 10, 11, 12
Credit: 1
Students will apply planning, organizing, leading and controlling functions of management to direct staff toward goal achievement. They will learn to manage a workforce, lead change, and build relationships with employees and customers. Students will use technology to analyze the internal and external business environment, determine trends impacting business, and examine risks threatening organizational success. Ethical challenges, project management, strategic planning, problem solving and decision-making will also be addressed.

Business Capstone Class
Elective Course
Grades: 11, 12
Credit: ½
Looking for a way to gain hands-on experience in your field of interest and stand out from the crowd when applying for college or a job? Look no further than the Career and Technical Education (CTE) Internship Project! As an Internship Student, you'll have the opportunity to collaborate with a mentor in order to complete an Intern/project that applies your knowledge and skills to the real world. By choosing a topic that's of interest to you, you'll have the chance to make a difference in the community and demonstrate your abilities to potential employers or colleges. So why wait? Join the CTE Internship Project today and start building a brighter future for yourself and your community!

Business Internship I
Elective Course
Grades: 11, 12
Credit: 1/2
Students will apply knowledge, attitudes and skills that were learned in a Business and Administrative Services program in a more comprehensive and authentic way in this capstone course. Capstones often include project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered through a variety of delivery methods including cooperative education, apprenticeship or internship. Students are required to complete 45 hours and a portfolio.

Business Internship II
Elective Course
Grades: 12
Credit: 1
Continuation of Internship I. Students are required to complete 60 hours along with a portfolio.

»»ENGLISH/LANGUAGE ARTS (4 credits required for graduation)

Honors English 9
.5 Weighted Course
Elective Course
Prerequisite: Must have achieved two of the three: Final grade of an A- in 8th grade ELA; Blue in Spring MAPS test; or Advanced on Ohio State Test

Welcome to Honors English 9! Through the course, students will discover the human experience through various pieces of literature. This course will expose students to significant works of literature, provide opportunities for in-depth instruction that prepares them for a rigorous and rewarding high school career. The

course will emphasize effective writing, reading, speaking, listening, and language skills. The opportunity to learn these skills will be through a variety of genres, including fiction, non-fiction, drama, poetry, short stories, novels, and through the analysis of works selected from authors of classical literature. Throughout the course, students' hard work will be reflected in their classroom work in accordance with the curriculum, as well as 2 culminating research projects. Students will be expected to read a selected novel outside of class and then create a research project analyzing a key literary detail of their choice.
Students should be prepared to spend approximately 4-5 hours a week reading, writing, studying, and/or researching outside of class in order to be successful. During class, students should prepare to be valuable contributors and be actively engaged in discussion, reading, writing, listening, speaking, researching, and presenting. Honors English 9 will be a rigorous but rewarding experience for students, and I look forward to having you in class! Summer reading and essay required but will be determined at a later date.

CP English 9
Elective Course
Credit: 1
Prerequisite: B average in ELA 8 and End Of Course exam in English 8 must be proficient.
We will concentrate on four key areas of study in ninth grade ELA. The four key areas are Literature Analysis, Informational Text Analysis, Writing, and Language Usage. These areas and related skills will be explored and detailed in a comprehensive curriculum. Our goal is to provide a wealth of opportunities for students to grow as perceptive readers, critical thinkers, and competent writers. The course is divided into six units, each of which centers on a particular theme or genre. Within each unit, we will evaluate and explore different approaches to the chosen curriculum while supporting the work with additional outside reading and activities. The units will introduce a variety of approaches to how students can learn future content and will guide students to becoming independent students accountable for their studies. As this course is a CP, or College Prep, course students will be diving into a more rigorous approach to the 9th-grade curriculum. The CP version 9th grade ELA will require more work throughout the units, and at a higher level of difficulty but will be rewarding for future learning. I look forward to working with you in class!

English 9
Required Course *(Except for those taking Honors or CP English 9)*
Credit: 1
We will concentrate on four key areas of study in ninth grade ELA. The four key areas are Literature Analysis, Informational Text Analysis, Writing, and Language Usage. These areas and related skills will be explored and detailed in a comprehensive curriculum. Our goal is to provide a wealth of opportunities for students to grow as perceptive readers, critical thinkers, and competent writers. The course is divided into six units, each of which centers on a particular theme or genre. Within each unit, we will evaluate and explore different approaches to the chosen curriculum while supporting the work with additional outside reading and activities. The units will introduce a variety of approaches to how students can learn future content and will guide students to becoming independent students accountable for their studies. I look forward to working with you in class!

Honors English 10
Elective Course
Credit: 1
Prerequisite: Honors English I with a B- or better or CP English I with an A- or better.
Honors English II provides an advanced study of a variety of literary genres and authors. Possible works include *The Fall of the House of Usher*, *The Metamorphosis*, *The Necklace*, *The Tempest* and *Oedipus the King*. Supplemental readings may also be included. While studying the literature, students will develop their critical reading skills, their critical thinking skills and their writing skills. Students may also create presentations, produce creative writing assignments and participate in class discussions, projects and student-centered assignments. Grammar and usage, vocabulary and research skills will also be incorporated throughout the year. Summer reading and project/essay required.
Honors English II students will be required to complete 2 summer reads, each with corresponding activities.

CP English 10
Elective Course
Credit: 1
Prerequisite: CP English I with a C+ or better or English I with an B+ or better.
CP English II provides an advanced study of a variety of literary genres and authors. Possible works include *The Fall of the House of Usher*, *The Metamorphosis*, *The Necklace*, *The Tempest* and *Oedipus the King*. Supplemental readings may also be included. While studying the literature, students will develop their critical reading skills, their critical thinking skills and their writing skills. Students may also create presentations, produce creative writing assignments and participate in class discussions, projects and student-centered assignments. Grammar and usage, vocabulary and research skills will also be incorporated throughout the year.

English 10
Required (unless taking CP or Honors English 10)
Credit: 1
English II studies world literature. Possible works include *The Fall of the House of Usher*, *The Metamorphosis*, *The Necklace*, *The Tempest* and *Oedipus the King*. Supplemental readings may also be included. Grammar and usage, vocabulary and research skills will also be incorporated throughout the year. Assignments will include literary analysis essays, student presentations, creative writing assignments and projects, and weekly student assessments. Grammar and usage, vocabulary and research skills will also be incorporated throughout the year.

Honors English 11
Elective Course
Credit: 1
Prerequisite: Honors English 10 with a B- or better or CP English I with an A- or better.
Welcome to Honors English 11! Through the course, students will discover the human experience through various pieces of higher level literature. This course will expose students to significant works of literature, provide opportunities for in-depth instruction that prepares them for a rigorous and rewarding high school career. The course will emphasize effective writing, reading, speaking, listening, and language skills. The opportunity to learn these skills will be through a variety of genres, including fiction, non-fiction, drama, poetry, short stories, novels, and through the analysis of works selected from authors of classical literature. Throughout the course, students' hard work will be reflected in their classroom work in accordance with the curriculum, as well as 2 culminating research projects. Students will be expected to read a selected novel outside of class and then create a research project analyzing a key literary detail of their choice.
Students should be prepared to spend approximately 5 hours a week reading, writing, studying, and/or researching outside of class in order to be successful. During class, students should prepare to be valuable contributors and be actively engaged in discussion, reading, writing, listening, speaking, researching, and presenting.

CP English 11
Elective Course
Credit: 1
Prerequisite: CP English 10 with C or above
We will concentrate on four key areas of study in eleventh grade ELA. The four key areas being Literature Analysis, Informational Text Analysis, Writing, and Language Usage. These areas and related skills will be explored and detailed in a comprehensive curriculum. Our goal is to provide a wealth of opportunity for students to grow as perceptive readers, critical thinkers, and competent writers. The course is divided into six units, each of which centers on a particular theme or genre. Within each unit, we will evaluate and explore different approaches to the chosen curriculum while supporting the work with additional outside reading and activities. The units will introduce a variety of approaches to how students can learn future content and will guide students to becoming independent and self-sufficient learners. As this course is a CP, or College Prep, course students will be diving into a more rigorous approach to the 11th grade curriculum. I am so excited to get started with this school year, and I look forward to welcoming you all to class.

English 11
Required Course *(except for those who take CP English 11)*
Credit: 1
Prerequisite: English 10
We will concentrate on four key areas of study in eleventh grade ELA. The four key areas being Literature Analysis, Informational Text Analysis, Writing, and Language Usage. These areas and related skills will be explored and detailed in a comprehensive curriculum. Our goal is to provide a wealth of opportunity for students to grow as perceptive readers, critical thinkers, and competent writers. The course is divided into six units, each of which centers on a particular theme or genre. Within each unit, we will evaluate and explore different approaches to the chosen curriculum while supporting the work with additional outside reading and activities. The units will introduce a variety of approaches to how students can learn future content and will guide students to becoming independent and self-sufficient learners. I am so excited to get started with this school year, and I look forward to welcoming you all to class.

CP English 12 (British Literature)
Elective
Credit: 1
Prerequisite: CP English II with a C+ or better or English I with a B or better.
This rigorous course studies various authors and pieces of British literature. Possible works include *Beowulf, The Canterbury Tales, Macbeth,* and *Gulliver's Travels.* Supplemental readings may also be included. Numerous writing assignments such as comparison/contrast essays, literary analysis essays and research papers and projects. Students may also create presentations, produce creative writing assignments and participate in class discussions, projects and student-centered assignments. Grammar and usage, vocabulary and research skills will also be incorporated throughout the year.

English 12 (British Literature)
Required (unless taking CP British Literature)
Credit: 1
This course studies various authors and pieces of British literature. Possible works include *Beowulf, The Canterbury Tales, Macbeth,* and *Gulliver's Travels.* Supplemental readings may also be included. Numerous writing assignments such as comparison/contrast essays, literary analysis essays and research papers and projects. Students may also create presentations, produce creative writing assignments and participate in class discussions, projects and student-centered assignments. Grammar and usage, vocabulary and research skills will also be incorporated throughout the year.

Reading
Elective Course
Grades: 9-12
Credit: ½
This course will provide students an opportunity to increase reading, writing, test taking, and study skills at students' instructional level. Students will participate in reading a variety of skill appropriate genres of literature to improve their skills. Throughout the semester, students will gain confidence and their skills will improve through a variety of practices.

»»FOREIGN LANGUAGE

Spanish I
Elective Course
Grades Offered: 9, 10, 11, 12
Credit: 1
Prerequisite: Must have a Final grade of a C in 8th grade ELA; B- in previous year's ELA course; or C in previous year's Honors ELA course. This is a college-prep course in which students learn beginning Spanish vocabulary and basic grammar. Spelling and pronunciation are stressed. There are frequent quizzes, and daily

homework, as well as occasional writing assignments. Culture is also important. Students are required to keep a neat, well-organized notebook.

Spanish II
Elective Course
Grades Offered: 10, 11, 12
Credit: 1
Prerequisite: C or above in Spanish I during the previous school year.
This course is a continuation of Spanish I. There is a brief review period at the beginning of the semester. Students are responsible for all material covered in Spanish I. Grammar and vocabulary become more difficult, and students should expect daily homework, frequent quizzes, and occasional writing assignments. Pronunciation and culture continue to be important. Students are required to keep a neat, well-organized notebook.

Spanish III
Elective Course
Grades Offered: 11, 12
Credit: 1
Prerequisite: B- or above in Spanish II during the previous school year.
This course is a continuation of Spanish II and will include a brief review of previously covered vocabulary, verbs, grammar and culture. Students are responsible for all material covered in Spanish I and II. Speaking and writing have more emphasis and the instructor will speak more in Spanish. Pronunciation and culture are also emphasized, and homework, and quizzes continue as in previous levels. There are also occasional writing assignments and projects. Students are required to keep a neat well-organized notebook. There will be a summer assignment that is due on the first day of school.

Spanish IV
Elective Course
Grades Offered: 12
Credit: 1
Prerequisite: C or above in Spanish III during the previous school year.
This course is a continuation of Spanish III. Students will be responsible for all material covered in Spanish I, II, and III. Reading will be emphasized more, and as much as possible, Spanish will be used by instructor and students. Vocabulary, verbs, grammar, culture and pronunciation continue to be stressed. As in previous levels, students will have homework, quizzes, writing assignments and projects. They will also be required to keep a neat, well-organized notebook.

»»HEALTH AND PHYSICAL EDUCATION

Physical Education
Required Course* *(once in the ninth grade and once in the tenth grade)*
Credit: ¼
The major objectives of this course are the physical development of a strong healthy body and the development of skills in various sports including lifetime activities. Students will develop social and mental qualities such as responsibility, honesty, sportsmanship, teamwork, courage, alertness, and citizenship.

***Meeting the Physical Education Requirement through Interscholastic Athletics or Cheerleading**
Students may meet their high school physical education requirement through participation in Fairfield High School interscholastic athletics and interscholastic cheerleading. Participation in two full seasons of interscholastic athletics and/or cheerleading is required. Students at Laurel Oaks may complete PE with one full year participation in JROTC. Dual participation in sports during one season does not fulfill the requirement.

Per state law there is no provision for partial "credit" for participation less than specified above. Students do not earn high school credits in physical education via this option. Rather they earn exemption from the requirement to have .50 credit for physical education.

Students who do not complete a season due to injury, being cut or otherwise failing to complete a sport or cheerleading season, will not receive partial credit for time spent in the program. Please note that "completion of the season" includes any post-season play for which the team may be eligible.

The policy is not retroactive and would apply to seasons completed after the Fairfield Board of Education adoption.
Students, who are physically able, are required to complete their physical education credit by the end of their sophomore year. Therefore, in the absence of this signature page for the current year, sophomore students, who are physically able, are required to register for the regular high school physical education course.

There is no separate fee for this option, however, students may incur costs associated with athletics or cheerleading, as do any other student.

Health
Required Course
Grades Offered: 10
Credit: ½
This sophomore course is designed to bring students to a broader understanding of the human body and its functions and problems. The course will include studies concerning physical, mental and social health, healthy relationships, human sexuality, alcohol, tobacco, and other drug use and abuse, and diseases.

Weightlifting
Elective Course
Grades Offered: 11, 12
Credit: ¼
Weight training and conditioning course is designed to educate students in key areas of health and fitness. Main areas of focus include muscular strength and endurance, cardiovascular endurance, power, flexibility, agility, speed, and balance. Students will learn weightlifting techniques and will be able to design a weight-training and conditioning program that is realistic and attainable for their specific goals. This course does require a high level of physical activity, and dressing for class is required. This course requires written work, periodic research, as well as physical assessments.

Lifetime Fitness
Elective Course
Grades Offered: 11, 12
Credit: ¼
Students will participate in a wide variety of sports and recreational activities in a non-competitive atmosphere. Students will also learn the rules and scoring of each sport.

»»MATHEMATICS (4 credits required for graduation)

Suggested Sequence:
Honors: Honors Algebra I (gr.8), Honors Geometry, Honors Algebra II, Honors PreCalc, Calculus
College Prep: CP Algebra I (gr.9), CP Geometry, CP Algebra II, Advanced Math or PreCalculus
General: Algebra I (gr.9), Geometry, Algebra II, Advanced Math or Consumer Math

Honors Algebra I (8th grade only)
.5 Weighted Course
Elective Course

Prerequisite: Must have achieved two of the three: Final grade of an B+ in 7th grade Math; Blue in Spring MAPS test; or Advanced on Ohio State Test.
Summer Math Requirement: Complete the Khan Academy “Get ready for Algebra I Course” assigned on google classroom in June.
This course covers the following concepts: computation with real numbers, order of operations, compare real number systems, algebraic properties, solve equations and inequalities, solve coin and distance word problems, calculate slope, midpoint, and distance; add, subtract, and multiply monomials and polynomials, divide monomials, negative exponents, scientific notation, factor polynomials, quadratic formula, solve absolute value equalities and inequalities, solve system of equations; trigonometry; probability; data analysis; scatter plots; geometric concepts; graph on number line; graph lines, quadratics, absolute value equalities, and exponentials. This full year course is an honors course. The Curriculum for this course requires 1-2 hours a week of independent practice such as homework, reading, and projects. This course will require students to take more responsibility for their own learning, dedicate time outside of the classroom to practice the concepts and skills learned in class, and include deeper investigations of content and critical thinking practices. We will be following EnVision Algebra 1 recommended math curriculum. Every effort will be made to stay on pace with its scope & sequence of activities.

CP Algebra I
Elective Course
Grades Offered: 9
Credit: 1
Prerequisite: B or higher in 8th grade math and a passing grade of “3” on the state tests
The same concepts will be covered as in Algebra I with additional enrichment homework assigned. Scientific calculator required.

Algebra I
Required Course *(except for those taking CP Algebra I)*
Grades Offered: 9
Credit: 1
Prerequisite: End of course exam in Math 8 must be a passing grade of “3” or higher.
This course covers the following concepts: computation with real numbers, order of operations, compare real number systems, algebraic properties, solve equations and inequalities, solve coin and distance word problems, calculate slope, midpoint, and distance; add, subtract, and multiply monomials and polynomials, divide monomials, negative exponents, scientific notation, factor polynomials, quadratic formula, solve absolute value equalities and inequalities, solve system of equations; trigonometry; probability; data analysis; scatter plots; geometric concepts; graph on number line; graph lines, quadratics, absolute value equalities, and exponentials. Scientific calculator required.

Honors Geometry
.5 Weighted Course
Elective Course
Prerequisite: Must have achieved two of the three: Final grade of an B+ in 8th grade Algebra I; Blue in Spring MAPS test; or Advanced on Ohio State Test
Summer Math Requirement: Complete the Khan Academy “Get ready for Geometry Course” assigned on google classroom in June.
The Honors Geometry course is a comprehensive look at the study of geometric concepts including the basic elements of geometry, proofs, parallel and perpendicular lines, the coordinate plane, triangles, quadrilaterals, polygons, circles, trigonometry, congruence and similarity, surface area, volume and transformations. Students will use their mathematical knowledge to reason abstractly and quantitatively, construct viable arguments and critique the reasoning of others, use appropriate tools strategically, attend to precision, and look for and make use of structure. This full year course is an honor’s course and will proceed at an accelerated pace with advanced rigor. The Curriculum for this course requires 3-4 hours a week of independent practice such as homework, reading, and projects. This course will require students to take more responsibility for their own

learning, dedicate time outside of the classroom to complete practice of concepts and skills learned in class, and include deeper investigations of content and critical thinking practices. We will be following EnVision Geometry's recommended math curriculum. Every effort will be made to stay on pace with its scope & sequence of activities.

CP Geometry
Elective Course
Grades Offered: 9, 10, 11
Credit: 1
Prerequisite: "C+" or higher in CP Algebra I, or a "B" or higher in Algebra I
The CP Geometry course is a comprehensive look at the study of geometric concepts including the basic elements of geometry, proofs, parallel and perpendicular lines, the coordinate plane, triangles, quadrilaterals, polygons, circles, trigonometry, congruence and similarity, surface area, volume and transformations. Students will use their mathematical knowledge to reason abstractly and quantitatively, construct viable arguments and critique the reasoning of others, use appropriate tools strategically, attend to precision, and look for and make use of structure. This full year course is a college preparatory course. The Curriculum for this course requires 1-2 hours a week of independent practice such as homework, reading, and projects. This course will require students to take more responsibility for their own learning, dedicate time outside of the classroom to practice the concepts and skills learned in class, and include deeper investigations of content and critical thinking practices. We will be following EnVision Geometry's recommended math curriculum. Every effort will be made to stay on pace with its scope & sequence of activities.

Geometry
Required Course *(except for those taking CP Geometry or Honors Geometry)*
Grades Offered: 9, 10, 11
Credit: 1
Prerequisite: Algebra I
The Geometry course is a comprehensive look at the study of geometric concepts including the basic elements of geometry, proofs, parallel and perpendicular lines, the coordinate plane, triangles, quadrilaterals, polygons, circles, trigonometry, congruence and similarity, surface area, volume, transformations and probability. Students will learn to make sense of problems and persevere in solving them, attend to precision, reason abstractly and quantitatively, construct viable arguments and critique the reasoning of others, use appropriate tools strategically, attend to precision, and look for and make use of structure. We will be following EnVision Geometry's recommended math curriculum. Every effort will be made to stay on pace with its scope & sequence of activities. A select number of homework assignments will be assigned from the textbook.

Honors Algebra II
.5 Weighted Course
Elective Course
Grades Offered: 10, 11
Credit: 1
Prerequisite: Honors Geometry with a B- **and** EOC score of 4 or 5; CP Geometry with an A- **and** EOC score of 4 or 5.The CP Algebra II course is a comprehensive look at the study of functions including polynomial, exponential, rational and radical functions. Students will build and interpret functions that model a relationship between two quantities by analyzing key features of the graphs and equations. Students will make sense of periodic behavior as they study trigonometric functions and build fluency with values of sine, cosine, and tangent at various angle measures. Equation solving strategies are expanded to include higher degree polynomials and quadratics over the complex number system and exponential equations using the properties of logarithms. Coursework includes probability, statistics, matrices, modeling and applications with extensive use of the graphing calculator. Students will use their mathematical knowledge to reason abstractly and quantitatively, construct viable arguments and critique the reasoning of others, use appropriate tools strategically, attend to precision, and look for and make use of structure. This full year course is a college preparatory course. The Curriculum for this course requires 3-4 hours a week of independent practice such as

homework, reading, and projects. This course will proceed at a more accelerated pace, require students to take more responsibility for their own learning, and include deeper investigations of content and critical thinking practices. The Summer Assignment will include completing Algebra II on the Khan Academy website.

CP Algebra II
Required Course
Grades Offered: 10, 11, 12
Credit: 1
Prerequisite: "C+" or higher in CP Geometry or a "B" or higher in Geometry
(If students had difficulty in Algebra I, it is highly recommended that they take Algebra II)
The CP Algebra II course is a comprehensive look at the study of functions including polynomial, exponential, rational and radical functions. Students will build and interpret functions that model a relationship between two quantities by analyzing key features of the graphs and equations. Students will make sense of periodic behavior as they study trigonometric functions and build fluency with values of sine, cosine, and tangent at various angle measures. Equation solving strategies are expanded to include higher degree polynomials and quadratics over the complex number system and exponential equations using the properties of logarithms. Coursework includes probability, statistics, matrices, modeling and applications with extensive use of the graphing calculator. Students will use their mathematical knowledge to reason abstractly and quantitatively, construct viable arguments and critique the reasoning of others, use appropriate tools strategically, attend to precision, and look for and make use of structure. This full year course is a college preparatory course. The Curriculum for this course requires 3-4 hours a week of independent practice such as homework, reading, and projects. This course will proceed at a more accelerated pace, require students to take more responsibility for their own learning, and include deeper investigations of content and critical thinking practices.
We will be following EnVision Algebra 2's recommended math curriculum. Every effort will be made to stay on pace with its scope & sequence of activities.

Algebra II
Required Course (Except for those taking CP Algebra II)
Grades Offered: 10, 11, 12
Credit: 1
Prerequisite: Geometry
The CP Algebra 2 course is a comprehensive look at the study of functions including polynomial, exponential, rational and radical functions. Students will build and interpret functions that model a relationship between two quantities by analyzing key features of the graphs and equations. Students will make sense of periodic behavior as they study trigonometric functions and build fluency with values of sine, cosine, and tangent at various angle measures. Equation solving strategies are expanded to include higher degree polynomials and quadratics over the complex number system and exponential equations using the properties of logarithms. Coursework includes probability, statistics, matrices, modeling and applications with extensive use of the graphing calculator. Students will use their mathematical knowledge to reason abstractly and quantitatively, construct viable arguments and critique the reasoning of others, use appropriate tools strategically, attend to precision, and look for and make use of structure. This full year course is a college preparatory course. The Curriculum for this course requires 2-3 hours a week of independent practice such as homework and reading. We will be following EnVision Algebra 2's recommended math curriculum. Every effort will be made to stay on pace with its scope & sequence of activities.

Honors Pre-Calculus
.5 Weighted Course
Elective Course
Grades Offered: 11, 12
Credit: 1
Prerequisite: B" or higher in CP Algebra II, or a "B-" or higher in Honors Alg II
Pre-Calculus is an advanced math course that weaves together previous study of algebra, geometry, and mathematical functions into a preparatory course for calculus. The course focuses on mastery of critical skills

and exposure to new skills necessary for success in subsequent math courses. Throughout the course, Common Core standards are taught and reinforced. Topics include fundamental concepts of algebra, functions and graphs, polynomials and rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, topics in trigonometry, systems of equations and inequalities. There will be summer assignments due at the beginning of school.

Calculus
Elective Course
Grades Offered: 12
Credit: 1
Prerequisite: “B” or higher in Pre-Calculus
(If a CCP Calculus course is available) "5 credits | Prerequisite: Student must meet one of the following criteria to register for this course: Math 1141 with a grade of B or higher and Math 1142; Four High school STEM or Core Math courses with grades A, A, B, B or higher; this must include a course covering trigonometry; or ACT Math score of 26 or above. This course introduces calculus using analytic geometry and transcendental functions. Topics include limits and continuity, derivatives, optimization, related rates, graphing and other applications of derivatives, definite and indefinite integrals and numerical integration."

Advanced Math
Elective Course
Grades Offered: 11, 12
Credit: 1
Prerequisite: Algebra II
The Advanced Math course is designed to lead students to develop and reinforce their mathematical concepts and skills. This course focuses on the strengthening and enrichment of student’s algebraic, graphical, and trigonometric problem solving skills and is intended to prepare students for college-level mathematics. Students will gain mathematical literacy in the real world while building a sound mathematical foundation. Students will study the areas of function sense, the algebra of functions, exponential and logarithmic functions, quadratic and high-order polynomial functions, rational and radical functions, and an introduction to trigonometric functions. Students will use their mathematical knowledge to reason abstractly and quantitatively, construct viable arguments and critique the reasoning of others, use appropriate tools strategically, attend to precision, and look for and make use of structure. We will be following Pearson’s Mathematics in Action recommended math curriculum. Every effort will be made to stay on pace with its scope & sequence of activities.

Mathematical Modeling and Reasoning
Elective Course
Grades Offered: 11, 12
Credit: 1
Prerequisite:
The Mathematical Modeling and Reasoning (MMR) course is an advanced quantitative reasoning course. Quantitative Reasoning (QR) is the application of basic mathematics skills, such as Algebra, to the analysis and interpretation of quantitative information (numbers and units) in real-world contexts to make decisions relevant to daily life. Critical thinking is its primary objective and outcome. It emphasizes interpretation, representation, calculation, analysis/synthesis, assumptions and communication. The MMR course is designed to promote reasoning, problem-solving, and modeling through thematic units focused on mathematical practices, while reinforcing and extending content in Number and Quantity, Algebra, Functions, Statistics and Probability, and Geometry. *This course serves as a math transition course to prepare Ohio high school students who have not earned a remediation-free score for a college entry-level mathematics course. This course has been modified from a fourth-year transition course to an Algebra II equivalent course and satisfies the credit requirement for Algebra II. Students who succeed in this course may take an Algebra II course, College Credit Plus course or AP math course their fourth year.*

Consumer Math
Elective Course
Grades Offered: 12
Credit: 1
Consumer math is designed to prepare the student to successfully participate in finances in the adult world. The students use mathematical calculations to figure interest, balance a checkbook, calculate income tax, to become knowledgeable concerning salaries including withholdings, and to plan a budget.

»»ENGINEERING

Automation and Robotics
Elective Course
Grades Offered: 9-12
Credit: 1
Students take a hands-on approach to learning about the functionality and practical use of robotics and automation. Students will have the opportunity to learn how to create and code robots in order to complete a designated task. During this course students will learn collaboratively about energy transfer, mechanics, basic coding, and more. Students will work together to create new innovative strategies that solve modern real-world problems.

Engineering Essentials
Elective Course
Grades Offered: 9-12
Credit: 1
Engineering Essentials offers students an early look into the career of an engineer. In this course students work collaboratively to develop solutions to modern problems while being exposed to the wide variety of engineering fields available as future careers. Students will explore coding, electrical engineering, 3D design and modeling, as well as the sustainability and accuracy of engineering designs. This course is designed to be the first step into the high school engineering program.

Introduction to Engineering
Elective Course
Grades Offered: 9-12
Credit: 1
Prerequisite: Engineering Essentials
In Introduction to Engineering students will explore advanced design and modeling techniques. Students will learn how to use 3D modeling software to develop and create complex designs that can be used in real world applications. Students will also learn how to animate multiple 3D models to show how parts interact with one another. The course will teach students how to be proficient in hand-drawn and computer aided technical design, and thrive in a collaborative setting.

»»SCIENCE (3 credits required for graduation)

Honors Physical Science
.5 Weighted Course
Elective Course
Grades Offered: 9
Prerequisite: Must have achieved two of the three: Final grade of an A- in 8th grade Science and a B+ in 8th grade math; Blue in Spring MAPS test; or Advanced on Ohio State Test Honors physical science is an advanced first year course for high school freshmen. Emphasizes advanced application and science skills needed to understand the physical worlds we live in. Students will utilize technology, laboratory activities, problem-solving and critical-thinking skills to enhance understanding and application of scientific reasoning.

This course will cover topics in physics, Earth and space science, and chemistry. Students will learn the basic concepts of Newton's laws, energy, light, structure of matter, chemical equations, etc. Enrolled students will be required to complete at least one research project or paper that may be entered into a science competition. Extensive independent research and preparation will be expected of all students enrolled in this course. There will be an average of 5 hours of out of class work every week. Outside classwork is expected to be completed before coming to class in order to take a deeper dive into the world of the physical sciences. Summer Science Requirement: Define vocabulary words as well as answering generalized science questions via Google Classroom.

CP Physical Science
Elective Course
Grades Offered: 9
Credit: 1
Prerequisite: "B" or higher in 8th grade Science and a 3 on End of Course Exam
Physical science concepts include the nature of matter and energy; identifiable physical properties of substances; and properties of forces that act on objects. Ninth graders learn about forces and motions, structures and properties of atoms, how atoms react with each other or other atoms. Students develop a deeper understanding of the processes of scientific inquiry and how these processes use evidence to support conclusions based on logical reasoning. Students investigate ways in which science and technologies combine to meet human needs and solve human problems. Ninth graders trace the historical development of scientific theories and ideas, explore scientific theories, and develop their scientific literacy to become knowledgeable citizens. The same concepts will be covered as in Physical Science with additional enrichment lab activities and inquiry work.

Physical Science
Required Course (except those who are taking CP Physical Science or Honors Physical Science)
Grades Offered: 9
Credit: 1
The same concepts will be covered as in CP Physical Science with additional enrichment lab activities and inquiry work.

Honors Biology
.5 Weighted Course
Elective Course
Credit: 1
Prerequisite: Honors Physical Science with a B- or better or CP Physical Science with an A- or better.
Honors Biology provides an advanced study of life science concepts such as cells and their structure and function, the genetic and molecular bases of inheritance, biological evolution and the diversity and interdependence of life. Students explain the Earth's history using geologic evidence, identify the Earth's resources, and explore processes that shape the Earth. The flow of energy and the cycling of matter through biological and ecological systems are addressed in the tenth grade. Embedded throughout this study, are the basic science processes of inquiry, modeling investigations, and the nature of science. Students learn to trace the historical development of scientific theories, ideas, ethical guidelines in science, the interdependence of science and technology and the study of emerging issues. Honors Biology provides students with inquiry labs and advanced critical thinking assessments.

CP Biology
Elective Course
Credit: 1
Prerequisite: CP Biology with a C+ or better or Biology with an B+ or better.
CP Biology provides an advanced study of life science concepts such as cells and their structure and function, the genetic and molecular bases of inheritance, biological evolution and the diversity and interdependence of life. Students explain the Earth's history using geologic evidence, identify the Earth's resources, and explore

processes that shape the Earth. The flow of energy and the cycling of matter through biological and ecological systems are addressed in the tenth grade. Embedded throughout this study, are the basic science processes of inquiry, modeling investigations, and the nature of science. Students learn to trace the historical development of scientific theories, ideas, ethical guidelines in science, the interdependence of science and technology and the study of emerging issues. CP Biology provides students with inquiry labs and critical thinking assessments.

Biology
Required (unless taking CP or Honors Biology)
Credit: 1
Biology provides an advanced study of life science concepts such as cells and their structure and function, the genetic and molecular bases of inheritance, biological evolution and the diversity and interdependence of life. Students explain the Earth's history using geologic evidence, identify the Earth's resources, and explore processes that shape the Earth. The flow of energy and the cycling of matter through biological and ecological systems are addressed in the tenth grade. Embedded throughout this study, are the basic science processes of inquiry, modeling investigations, and the nature of science. Students learn to trace the historical development of scientific theories, ideas, ethical guidelines in science, the interdependence of science and technology and the study of emerging issues. Labs are an important aspect of this course.

Honors Chemistry
.5 Weighted Course
Elective Course
Grades offered: 11, 12
Credit: 1
Chemistry is the study of matter. This course will focus on the following chemistry concepts: science processes and skills; historical perspectives and chemistry careers; measurement and mathematical expression; matter and energy relationships; classification of matter and its changes; atomic theory and structure; electron configuration; periodic table and periodic law; chemical bonding; concepts of chemical composition; chemical equations; behavior of gases; the nature of water; the solution process; acids, bases, and salts; oxidation-reduction reactions. The grade will be based on homework, tests, labs, notebooks, and exams. Students will have a summer assignment/project to complete.

Chemistry
Elective Course
Grades Offered: 11, 12
Credit: 1
Prerequisite: C or higher in Biology & concurrent enrollment in Algebra II
Chemistry is the study of matter. This course will focus on the following chemistry concepts: science processes and skills; historical perspectives and chemistry careers; measurement and mathematical expression; matter and energy relationships; classification of matter and its changes; atomic theory and structure; electron configuration; periodic table and periodic law; chemical bonding; concepts of chemical composition; chemical equations; behavior of gases; the nature of water; the solution process; acids, bases, and salts; oxidation-reduction reactions. The grade will be based on homework, tests, labs, notebooks, and exams.

Conservation Science
Elective Course
Grades Offered: 11, 12
Credit: 1
Prerequisite: Biology
Students will develop skills, build an understanding of science and learn scientific techniques taught through the lens of conservation with an emphasis on hands-on, real-world activities. The curriculum focuses on wildlife conservation and the outdoor recreational activities that financially support the North American Model of Wildlife Conservation, such as hunting, fishing, trapping, conservation work, shooting sports and boating.

Conservation Science gives students a foundational basis for how these activities directly benefit habitat acquisition, enhancement and protection, as well as wildlife management, including game, nongame and endangered species. Students are not required to participate in these activities, but rather the lessons relate to these recreational activities. Some examples include:

- **Conservation Work**: Investigating the effects of trash on wildlife and habitat while conducting a cleanup project.
- **Fishing**: Applying scientific methods and writing a formal lab report while testing the breaking strength of fishing knots.
- **Hunting**: Learn anatomy standards during the processing of a game animal, such as a pheasant, rabbit or deer.
- **Shooting Sports**: Applying physics standards related to force, acceleration, aerodynamics, projectile motion, etc. to the flight path of an arrow.
- **Boating**: Learning about hydrology while applying physics standards, such as buoyant force, average density, volume, etc., to kayaking.

Honors Human Anatomy
.5 Weighted Course
Elective Course (offered every other year)
Grades Offered: 11, 12
Credit: 1
Prerequisite: Students must have taken or be concurrently enrolled in Chemistry.
Instructional objectives for this course include: application of the scientific processes; and investigation of the cell theory: the skeletal, muscular, endocrine, nervous, circulatory, respiratory, digestive, and excretory systems. Dissection labs required.

Zoology
Elective Course (offered every other year)
Grades Offered: 11, 12
Credit: 1
Prerequisite: C or higher in Biology
A study of the major groups from the animal kingdom. Emphases include: biological principles of taxonomy, structure, physiology, ecology, adaptation, and population dynamics. Laboratory focus will be on dissection so that the students can complete comparative anatomy studies on the different phyla covered in lecture.

Physics
Elective Course
Grades Offered: 12
Credit: 1
Prerequisite: C or higher in Chemistry and concurrent enrollment in Pre-Calculus or have completed College Algebra (CCP course)
This intensive college prep course will include instruction in the following areas: science processes and skills; physics work application; measurement and mathematical expression; vectors; kinematics and dynamics; energy, work and power; Law of Conservation of Momentum; behavior of fluids, waves, sound, and light; The Kinetic Theory; heat, temperature, and heat transfer; static charges; direct currents/electric circuits; magnetism and astrophysics.

»»SOCIAL STUDIES (3 credits req. for graduation - World Studies, American Studies, Government)

World Studies
Required Course
Grades Offered: 9

Credit: 1
This course provides a chronological study of world history from the Scientific Revolution (1550) to the present. As students study historic eras, they consider the influence of geographic settings, cultural perspectives, economic systems and various forms of governments. Students gain a deeper understanding of the world around them and their role as citizens in an ever-changing world.

American Studies
Required Course
Grades Offered: 10
Credit: 1
This course is designed to cover American history from Reconstruction to the present era. It incorporates each of the seven standards. Students will study the influence of geographic settings, cultural perspectives, economic influence, changes in American democracy, and the contributions of men and women to our nation. The study of economics and financial literacy is also included.

American Government
Required Course
Grades Offered: 11
Credit: 1
This course will cover material ranging from the writing of the Declaration of Independence and the Constitution, to the duties and functions of the three branches of government, to how federal, state and local governments operate and affect citizens' everyday lives. Special emphasis will be placed on students understanding the political process and why their involvement is of utmost importance.

Financial Literacy
Required Course (Class of 2026 and beyond)
Grades Offered: 11
Credit: ½
This course prepares students to understand financial literacy concepts and helps them to become savvy consumers who can avoid scams, prepares students to make sound financial decisions, provides an overview of different types of insurance and how they protect individuals, explains how to create budgets and plan for unexpected expenses and provides an introduction to investing.

Psychology
Elective Course
Grades Offered: 11, 12
Credit: 1
This survey course introduces the student to the study of psychology and what psychologists do. We shall examine methods of research, learning, thought and language processes, motivation, emotion, human development, personality and abnormal behavior. Individual research and written reports are required.

European History
Elective Course
Grades Offered: 11, 12
Credit: 1
European history is a full year course designed to give students insight into historical events that continue to define Europe and the World. In this course students will investigate significant events, individuals, developments and processes from 1450 to the present. While this is a lecture based class students will develop and use the same skills as employed by historians: analyzing primary and secondary resources, developing historical arguments and making historical comparisons. Major topics studied in the course are developments in social, economic, and political thought, the rise and functioning of the modern state in its various forms. In researching these major topics students will be able to have frequent practice in writing analytical and interpretive essays such as document based questions.

World Geography
Elective Course
Grades Offered: 11, 12
Credit: 1
The study of World Geography focuses on the relationships among people, places, and environments. Students will learn about landforms, climates, and natural resources, as well as cultural, political, economic, and religious characteristics of the world regions. There will be a heavy focus on map usage & knowing the locations of the various areas discussed within the course.

Current Events A and B
Elective Course
Grades: 10, 11, 12
Credit: ½
Current Events will be offered as a semester course; if you would like to take a full year, you will register for Current Events I and Current Events II. This course is designed to provide students with the opportunity to discuss, understand, and explore local, national, international, political, economic and social issues in a respectful and meaningful way. This will be done through reading, video, lecture, discussion, and research. Students will stay up to date on current issues and trends. Students will present their findings on their topic to elicit conversation.If you like following the news, the course is for you!

Sociology A and B
Elective Course
Grades: 10, 11, 12
Credit: ½
Sociology will be offered as a semester course; if you would like to take a full year, you will register for Sociology A and Sociology B. Sociology is the study of human society and group behavior. Students will study the origins of sociology along with specific topics of culture, gender, social structure and related sociological phenomena. Through a variety of methods students will explore different sociological ideas from an educational perspective in order to develop their own social perspectives and critical thinking skills.

»»VOCATIONAL AGRICULTURE
General Requirements for Participation in any Agricultural Education Class

Students entering the agriculture science, production, and business programs at Fairfield High School will be required to be members of the local FFA chapter and maintain a quality SAE program. SAE, record books, and fair projects are all part of Fairfield's Agriculture Program and must be present to receive class credit. Business and sales skills are increasingly important to the agriculture industry. To develop these skills, every student is required to participate in various sales activities. "Fruit and Greenhouse sales" members of the Fairfield agriculture program plan production and packaging as well as wholesale and retail sales of agricultural products.

Agriculture, Food and Natural Resources
Elective Course
Grades Offered: 9
Credit: 1¼
This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry.

Animal and Plant Science
Elective Course
Grades Offered: 10, 11, 12
Credit: 1¼
Prerequisite: Successful completion of AFNR course
Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined.

Agricultural and Environmental Systems Capstone I, II, III
Elective Course
Grades Offered: 10, 11, 12
Credit: 1¼
Students apply Agricultural and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. This class will follow S.M.A.R.T. goal setting and challenge students to create their own project based learning opportunities.

Mechanical Principles
Elective Course
Grades Offered: 11, 12
Credit: 1¼
Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identifying, diagnosing, and maintaining small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.

Livestock Selection, Nutrition and Management
Elective Course
Grades Offered: 11, 12
Credit: 1¼
Students will identify and apply principles and routine husbandry practices to production animal populations. Topics will include principles of nutrition, feed utilization, animal welfare, selection and management of facilities and herd populations. Students will apply knowledge of production animal care to enhance animal growth, selection of breeding stock, and management practices. Throughout the course, students will develop management plans reflecting practices for care and legal compliance.

Agronomic Systems (Offered every other year with Greenhouse)
Elective Course
Grades Offered: 11, 12
Credit: 1¼
Students will apply knowledge and skills required to research, develop, produce and market major agricultural and horticultural crops. Cultural and sustainable production practices will be examined while students apply scientific knowledge of plant development, nutrition and growth regulation. The knowledge and skills needed to manage water, soils, and pests related to agronomic crops will be assessed. Students will employ technological advances, communication, business, and management strategies appropriate for the industry.

Greenhouse and Nursery Management (Offered every other year with Agronomic Systems)
Elective Course
Grades Offered: 11, 12
Credit: 1¼
Students will learn the operational practices needed for the successful growth of nursery stock and/or greenhouse plants. They will learn essential greenhouse practices including water and fertilizer distribution, lighting, ventilation and temperature control. Students will learn pest and disease identification and control along with bio-security practices. Students will demonstrate knowledge of propagation methods, plant health, nutrition, and growth stimulation. Throughout this course, business and employability skills will be emphasized.

Science & Technology of Food (Offered every other year with Meat Science)
Elective Course
Grades Offered: 11, 12
Credit: 1¼
Prerequisite: Successful completion of Chemistry or concurrent enrollment in Chemistry
Students will examine the research, marketing, processing and packaging techniques applied to the development of food products. Learners will examine nutrient content and their chemical makeup, while applying principles of chemistry to the development of food products. They will examine and implement food safety, sanitation, and quality assurance protocols. Government regulations and food legislation will be examined and the implications to food science and technology will be identified.

Meat Science and Technology (Rotates every other year with Food Science)
Elective Course
Grades Offered: 11, 12
Credit: 1¼
Students will apply food chemistry and microbiology to processing, preservation, packaging, storage and marketing of meat products. Students will design and implement a quality assurance program that meets legal compliance and demonstrates knowledge of safe operation and maintenance of equipment and facilities. Students will evaluate carcass composition, assign quality grades, and examine valued added products. Throughout the course, students will demonstrate customer service and sales techniques while understanding the scope and importance of business and safety regulations.

AGRI1107 - Principles of Animal Science
Elective Course ***Must be accepted into SSCC CCP (College Credit Plus) program*
Grades Offered: 11,12
Credit: 1 (CCP - 4 credits)
Prerequisite: passed two previous Ag Ed Courses with a “B” or higher.
Selection, breeding, feeding, management, and marketing of beef, sheep, swine, equine, and poultry. Emphasis placed on livestock systems and current production technologies. Course also covers principles of livestock breeding/genetics, reproduction, and feed management.

AGRI1126 - Livestock Feeds & Feeding
Elective Course ***Must be accepted into SSCC CCP (College Credit Plus) program*
Grades Offered: 11,12
Credit: 1 (CCP - 4 credits)
Prerequisite: passed two previous Ag Ed Courses with a “B” or higher.
A study of fundamental principles of feeds and feed use in farm livestock to meet nutritional and dietary requirements of farm animals. Digestive physiology will be introduced. This course includes study of specific nutrients and feedstuffs as related to domestic farm livestock. Feedstuffs will be studied in relation to value added to a ration. Ration formulation will be introduced.

Business Management for Agricultural and Environmental Systems
Elective Course
Grades Offered: 12
Credit: 1¼
Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified.

Ag Co-Op (Work Release)
Elective Course
Grades Offered: 12
Credit: 3.25
Prerequisite: Concurrent enrollment in Business Management for Ag; Instructor permission
Students must have an Ag related job that they will attend after school dismissal at 10:00 a.m. for this Agricultural Work-Based Learning Program. Students are expected to work at least 540 hours throughout the school year. This course will include site-visits to area business and industry and interaction with adults and other students outside of the immediate control of the school. The purpose of these activities is to help students acquire a better understanding of the overall work environment, potential careers, and skills/education required for entry and the advancement within the Agricultural Industry.

»»STUDY SKILLS

ACT Test Prep
Elective Course
Grades Offered: 11, 12
Credit: ½
ACT Prep- ACT Prep is a semester-long course designed to engage students in 36 self-paced lessons. The lessons are divided into sections based on the 5 tests: English, Writing, Reading, Mathematics, and Science. The same format of the ACT is followed in each section and there are many opportunities for practice tests. Test taking and study skills are emphasized throughout the lessons as well.

Reading
Elective Course
Grades: 9-12
Credit: ½
This course will provide students an opportunity to increase reading, writing, test taking, and study skills at students' instructional level. Students will participate in reading a variety of skill appropriate genres of literature to improve their skills. Throughout the semester, students will gain confidence and their skills will improve through a variety of practices.