

Fairfield Local High School

# **Class Scheduling Information and Course Catalog**

2020-2021 School Year

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## Graduation Requirements

Twenty-one (21) credits and a total of 18 end of course exam points OR an ACT score that is remediation free OR a State Board of Education approved industry-issued license for practice in a career and achieve a score that demonstrates workforce readiness and employability on a job skills assessment.

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
- ½ Data Processing
- 1 Fine Art

### OHIO HIGH SCHOOL HONORS DIPLOMAS

Criterion	Academic 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.
<b>Math</b>	4 units – Algebra I, Geometry, Algebra II, PreCalculus	4 units – Algebra I, Geometry, Algebra II, PreCalculus	5 units – Algebra I, Geometry, Algebra II, Precalculus, Calculus	4 units – Algebra I, Geometry, Algebra II, PreCalculus	4 units – Algebra I, Geometry, Algebra II, PreCalculus
<b>Science</b>	4 units	4 units	5 units	3 units	3 units
<b>Social Studies</b>	4 units	4 units	3 units	3 units	5 units
<b>World Languages</b>	3 units of one language, or two units each of two languages	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
<b>Fine Arts</b>	1 unit	N/A	1 unit	4 units	1 unit
<b>Electives</b>	N/A	4 units of Career-Technical lab	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
<b>GPA</b>	3.50	3.50	3.50	3.50	3.50
<b>ACT/WorkKeys</b>	27	27 ACT/WorkKeys – 6 Reading and 6 Math	27	27	27
<b>Field Experience</b>	N/A	Complete a field experience and document the experience in a portfolio specific to your area of focus.	Complete a field experience and document the experience in a portfolio specific to your area of focus.	Complete a field experience and document the experience in a portfolio specific to your area of focus.	Complete a field experience and document the experience in a portfolio specific to your area of focus.
<b>Portfolio</b>	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.	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.	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.	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.
<b>Additional Assessments</b>	N/A	Earn an industry-recognized credential or achieve proficiency benchmark.	N/A	N/A	N/A

## **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 85<sup>th</sup> 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-".

## **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. (2.5 credits per semester)
- 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 [www.ncaa.org](http://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 7<sup>th</sup> semester. The ACT is also required. ACT scores must be sent from ACT directly to 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 [www.PlayNAIA.org](http://www.PlayNAIA.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 graduating class. ACT scores must be sent from ACT directly to NCAA. Use code 9876.

### **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 1 of the preceding year in order to be eligible. Students may attend off-site or take on-site courses offered at Fairfield Local High School taught with Fairfield teachers through Southern State Community College (SSCC).

#### **Courses offered at Fairfield with Fairfield teachers:**

**MATH 1141, 1142** will be taught to those students who enrolled in the CCP program and have passed CP Algebra II with a “B” or higher. Both courses are in the transfer module.

**CHEM 1120** will be taught 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.

**FLNG 2220 (Intermediate Sign Language I)** This course has been designed to build upon the student's prior knowledge and experiences from Beginning American Sign Language I & II. This course focuses on building narrative skills and developing real-world conversational skills used in everyday discussions. Students will continue to acquire cultural information through immersion in the Deaf Community and through the stories presented in the text and live in class. Students will gain the skills needed to express ideas and concepts and illustrate how things work using American Sign Language. This class is for those who took ASL I and II during the 19-20 school year. ASL will no longer be offered at Fairfield after the completion of ASL III this fall semester.

#### **SSCC Agriculture Articulation Agreement**

Students who successfully complete an agriculture class each year grades 9-12 may receive articulated SSCC credit for AGRI 2200 upon completion of 9 semester hours at SSCC with a GPA of 2.5 within 24 months after program completion to be awarded credit.

## 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

**ARTH 1500** Art in History

**SOC 1750** Social Problems

**PSC 1200** Am. National Gov't

**ANTH 2800** Cultural Anthropology

**THR 1110** Intro to Theatre

**FILM 1310** Intro to Film

**SSCC: BIOL 1104** Human Biology I

**BIOL 2206** Anatomy & Physiology I

**ECON 2205** Principles of Microeconomics

**ENGL 1101** English Composition I

**ENGL 1102** English Composition II

**PSYC 1110** Principles of Psych

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## 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      C = 2.00  
A- = 3.66     C- = 1.66  
B+ = 3.33     D+ = 1.33  
B = 3.00      D = 1.00  
B- = 2.66     D- = 0.66  
C+ = 2.33     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). Often considered are extra-curricular activities and community service.

### Grading Scale

<u>Course</u>	<u>Letter Grade</u>	<u>Numerical</u>	<u>Credit</u>	<u>Quality Points</u>
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
			<u>4.00</u>	<u>12.82</u>

GPA = quality points divided by attempted credits:  $12.82 \div 4 = 3.205$

Each student's GPA is recalculated at the end of each semester (twice each year.)

Classes with grade of pass/fail are not entered into the GPA.

All Post-Secondary Options grades are entered into the GPA.

## **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 Technology - Collision, Automotive Technology – Mechanics, Aviation Maintenance Technician, Career X, Computer Service Technician and Networking, Construction Technologies, Cosmetology, Dental Assisting, Digital Arts and Design, Early Childhood Education, Equine (Horse) Science and Management, Exercise Science and Sports Medicine, Health Technology, Heavy Equipment Operations and Engineering, Industrial Diesel Mechanics, Web Applications and Game Development and Welding. Other career programs are available at other Great Oaks campuses. For a complete list go to [hs.greatoaks.com](http://hs.greatoaks.com).

Students at Laurel Oaks use labs, equipment and tools that are used in industry. For instance, Equine Science students care for and train horses in the Laurel Oaks stables; Aviation Maintenance students work on a variety of airplanes; Dental Assisting students learn in a dental office lab; etc.

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 (Dent) 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.

## **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: 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: 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 comprised 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 contest 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 where singing skills will be evaluated

The Fairfield High School Choir is open to and comprised of 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 Popular Music**

Elective Course

Grades Offered: 10, 11, 12

Credit: 1

The content of the course may include, but is not limited to, the history of music, the history of rock history, the sociological norms that brought on the "invention" of new music, the theory or mechanics of music, and some "hands on" experience.

### **Music Theory**

Elective Course

Grades Offered: 10, 11, 12

Credit: 1

Open to anyone interested in the nuts and bolts of how music works. Notes, chords, clefs, scales, transposition, analyzing chords, etc. Students should have basic knowledge of notes and note names. We will start at the beginning, and hopefully you will be writing a song for your final project.

## »»BUSINESS

### **Computer Science/Coding**

Elective Course

Grades Offered: 10, 11, 12

Credit: 1

This is an introductory course that introduces the students to the foundational concepts of computer science while challenging them to explore how computing and technology can impact the world.

### **Data Processing**

Required Course

Grades Offered: 9

Credit: ½

Prerequisite: None

During the first 9 weeks, the Data Processing course is designed to help the student become skilled in operating the letter keys by touch (without looking). Students will become familiar with other basic operations of the computer such as centering and the formatting and keying of documents in Microsoft Word. The keyboarding speed performance goal for this first 9 weeks is 20 gross words per minute for 3 minutes with no more than 5 errors. During the second 9 weeks, students will continue to improve their keyboarding speed and accuracy on 3 minute straight copy timings and the performance goal will increase as well. Students will key documents including memorandums, letters, and short reports.

### **Computer Applications**

Elective Course

Grades Offered: 10, 11, 12

Credit: ½

Prerequisite: Data Processing

Students will enhance word processing skills developed in the Data Processing class. They will learn the basic fundamentals of information processing. This course gives students an opportunity to solve application problems using the Microsoft Office programs. They will be introduced to spreadsheet, database, and PowerPoint design activities.

### **Advanced Technology Studies I and II**

Elective Courses

Grades Offered: 10, 11, 12

Credit: 1

Prerequisite: Data Processing & Computer Applications

In this course students will present school announcements to the student body. As time permits, students will also design and create high school and middle school web pages and enhance their computer application skills in Word and Excel. Database files will be designed and utilized to retrieve and store information. Students will be asked to occasionally attend Fairfield extracurricular activities such as sporting events or music concerts. Course may be repeated for credit.

### **Accounting**

Elective Course

Grades Offered: 11, 12

Credit: 1

This course teaches basic skills useful in gaining entry into the field of accounting. Students learn to keep accurate and complete records of transactions both manually and on the computer. In addition, students will learn to figure payroll of employees. Financial data is entered on the computer

to reinforce the accounting concepts. Students will learn about career and employment options and discover the significant role accounting plays in the business world.

### **Career Exploration**

Elective Course

Grades Offered: 10, 11, 12

Credit: ½

This course is designed to prepare students for a successful career. Students discover the many possible career choices available to workers in today's market. Students research career options including availability, expected salary, working conditions, and other related information.

Employee/employer relationships, work ethics, and budgeting are covered. Students are also trained to become financially responsible adults.

### **Business Economics**

Elective Course

Grades Offered: 10, 11

Credit: ½

This course develops student's abilities to make wise economic decisions related to their personal financial affairs, the successful operation of organizations, and the economic activities of the country.

Content is based on National Business Education Association (NBEA) content standards.

### **Personal Finance**

Elective Course

Grades Offered: 9, 10, 11, 12

Credit: ½

Students will develop and utilize rational decision-making processes to form personal financial decisions in their roles as citizens, workers, and consumers. Content is based on NBEA content standards.

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

### **CP English 9**

Elective Course

Credit: 1

Prerequisite: B average in English 8 and Reading 8. End of course exam in English 8 must be passing grade of "3" or higher.

Students are introduced to basic language arts skills including parts of speech, sentence parts, sentence types and punctuation. Students will read a variety of literature including short stories, pieces of nonfiction, dramas and novels. Students will read and analyze Lois Lowry's *The Giver*, William Shakespeare's *The Tragedy of Romeo and Juliet* and William Golding's *The Lord of the Flies*. Students will be required to compose literary analysis essays, personal narratives, expository and persuasive essays. Students will also write thoughtful responses to sample Ohio Graduation Test writing prompts.

### **English 9**

Required Course (*except for those taking CP English 9*)

Credit: 1

This course allows students to explore English Language Arts in a student-centered learning environment. Students receive a workbook and can access all learning material online. Students will establish individual goals, participate in whole-class learning, small-class learning and independent learning. Focused areas of study are language development, analyzing text, citing evidence and

applying critical thinking skills. These areas will enable students to successfully complete performance based assessments.

### **CP English 10**

Elective Course

Credit: 1

Prerequisite: CP English 9 with C or above

In this class, students will examine various areas of studies which will be beneficial in college. Appropriate punctuation, agreement, pronoun cases, and other topics will be studied and then applied to different writing assignments, such as personal narratives and informal essays. In addition to these areas, oral communication will be examined; CP English 10 includes a survey of world literature. Students will read and analyze Steinbeck's *Of Mice and Men*, Lee's *To Kill a Mockingbird* and numerous pieces of nonfiction, along with a variety of other works. A research project is also required in this course. In order for students to improve their skills in speaking, reading, and writing, they will need not only to pay attention and participate in class, but also to complete assignments and projects in a serious manner.

### **English 10**

Required Course (*Except for those taking CP English 10*)

Credit: 1

Prerequisite: General English 9

This course allows students to explore English Language Arts in a student-centered learning environment. Students receive a workbook and can access all learning material online. Students will establish individual goals, participate in whole-class learning, small-class learning and independent learning. Focused areas of study are language development, analyzing text, citing evidence and applying critical thinking skills. These areas will enable students to successfully complete performance based assessments.

### **CP English 11**

Elective Course

Credit: 1

Prerequisite: CP English 10 with C or above

In this class, students will study a variety of language arts concepts in preparation for college. Students will learn and apply many aspects of mechanics and grammar through a variety of writing types. Students will be expected to compose personal narratives, persuasive essays, multiple literary analysis essays, and formal research papers. CP English 11 is an extensive study of America literature following the historical events of American history. Students will read a variety of literary types including poems, short stories, expository essays, persuasive speeches, dramas and novels. Students will read and analyze Arthur Miller's *The Crucible*, F. Scott Fitzgerald's *The Great Gatsby*, John Steinbeck's *The Grapes of Wrath* and Neil Simon's *Lost in Yonkers*. Students will be required to complete projects, assignments and participate in class to improve their skills in speaking, reading and writing.

### **English 11**

Required Course (*except for those who take CP English 11*)

Credit: 1

Prerequisite: English 10

This course allows students to explore English Language Arts in a student-centered learning environment. Students receive a workbook and can access all learning material online. Students will establish individual goals, participate in whole-class learning, small-class learning and independent learning. Focused areas of study are language development, analyzing text, citing evidence and

applying critical thinking skills. These areas will enable students to successfully complete performance based assessments.

### **CP English 12**

Elective Course

Credit: 1

Prerequisite: CP English 11 with C or above

In this challenging class students will study various areas of language arts which will be helpful in college. Complex sentence structures, parallelism, and other aspects of mechanics and grammar will be examined and then applied to different writing assignments, such as comparison/contrast essays and research projects. Also included in this class will be group projects that will be orally presented. CP English 12 will be based on a survey of British literature. Students will read and analyze George Orwell's *1984*, Shakespeare's *Macbeth*, and Shelley's *Frankenstein* along with a variety of other works. In order for students to enhance their skills in speaking, reading, and writing, they will need not only to pay attention and participate in class but also to complete assignments and projects in a serious manner.

### **English 12**

Required Course (*except for those who are taking CP English IV*)

Credit: 1

Prerequisite: English 11

This course allows students to explore English Language Arts in a student-centered learning environment. Students receive a workbook and can access all learning material online. Students will establish individual goals, participate in whole-class learning, small-class learning and independent learning. Focused areas of study are language development, analyzing text, citing evidence and applying critical thinking skills. These areas will enable students to successfully complete performance based assessments.

## **»»FOREIGN LANGUAGE**

### **Spanish I**

Elective Course

Grades Offered: 9

Credit: 1

Prerequisite: B or above in 8<sup>th</sup> grade English and Reading (or previous English Class). End of course exam in English 8 must be passing grade of "3" or higher. Concurrent enrollment in College Prep English is required.

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, daily homework and tests, 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

Credit: 1

Prerequisite: C or above in Spanish I during 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

Credit: 1

Prerequisite: C or above in Spanish II during 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, quizzes continue as in previous levels. There are also occasional writing assignments and projects. Students are required to keep a neat well-organized notebook.

### **Spanish IV**

Elective Course

Grades Offered: 12

Credit: 1

Prerequisite: C or above in Spanish III during 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 during one academic school year 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 of 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:  $\frac{1}{2}$

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:  $\frac{1}{4}$

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:  $\frac{1}{4}$

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:**

Advanced College Prep: CP Algebra I (gr.8), CP Geometry, CP Algebra II, PreCalc, Calculus

College Prep: CP Algebra I (gr.9), CP Geometry, Algebra II or CP Algebra II, Advanced Math or PreCalculus

General: Algebra I (gr.9), Geometry, Algebra II, Advanced Math or Consumer Math

### **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 OGT calculator required.

### **Transitional Math**

Required Course (*except for those students taking Algebra I or CP Algebra I*)

Grades Offered: 9, 10

Credit: 1

This course breaks the Algebra I curriculum into two years. This course covers the following concepts in year one: computations with real numbers, order of operations, comparing real number systems, algebraic properties, solving linear equations and inequalities, solving systems of equations, graphing linear relations, evaluating functions, finding slope, calculating midpoint, solving related rate and weighted average problems, add, subtract, multiply and divide monomials and polynomials, and solving simple quadratic equations. This course covers the following concepts in year two: graphing quadratics, solving quadratic equations by completing the square and using the quadratic formula, simplifying radical expressions, operations with rational expressions, graphing exponential functions, solving simple exponential equations, growth and decay, transformations of parent graphs, comparing families of functions, and simple data analysis. A scientific calculator is required.

### **CP Algebra I**

Elective Course

Grades Offered: 9

Credit: 1

The same concepts will be covered as in Algebra I with additional enrichment homework assigned. Scientific OGT calculator required.

### **Geometry**

Required Course (*except for those taking CP Geometry*)

Grades Offered: 10

Credit: 1

This course covers the following concepts: lines, parallel lines, perpendicular lines, skew lines, angles, triangles, congruent triangles, quadrilaterals, polygons, similar polygons, circles, perimeter, circumference, area surface area, volume, proofs, transformations (reflection, rotations, translation), and symmetry, trigonometry, roots, functions (linear, quadratic, exponential, square root, cubic, absolute value), solve equations/formulas/inequalities, measure of center, range, scatter plots, box-and-whisker plots, histograms, tables, charts, geometric probability, odds, permutations, combinations, sequences, and series. Scientific OGT calculator required. The student is to maintain a 3-ring notebook.

### **CP Geometry**

Elective Course

Grades Offered: 10

Credit: 1

The same concepts will be covered as in Geometry with additional enrichment homework assigned. Scientific OGT calculator required. The student is to maintain a 3-ring notebook.



## **CP Algebra II**

Required Course

Grades Offered: 11

Credit: 1

Prerequisite: Algebra and Geometry

Advanced Algebra II topics studied include relations and functions, linear systems, systems of inequalities, radicals, complex numbers, quadratic and exponential equations, and fractional expressions. Scientific calculators are required. Students maintain a 3-ring notebook.

## **Pre-Calculus (CCP On-Site MATH 1141 and 1142)**

Elective Course

Grades Offered: 11, 12

Credit: 1

Prerequisite: CP Algebra II with a B or higher and acceptance to SSCC's CCP program

### **College Algebra (1141) 3 semester hours**

This course includes a study of algebra and analytic geometry with an emphasis on functions. Topics include linear, quadratic, rational equations, analytic geometry, linear quadratic, logarithmic, exponential functions. This course is recommended for students who need to prepare for calculus.

### **College Trigonometry (1142) 4 semester hours**

This course includes a study of trigonometric functions and their applications. Topics include circular functions, trigonometric functions, trigonometric identities, vectors, the complex plane, polar coordinates, and conic sections. Scientific calculator is required (TI-84 Plus Silver Edition Graphing Calculator). The student is to maintain a 3-ring notebook.

## **Advanced Math**

Elective Course

Grades Offered: 11, 12

Credit: 1

Prerequisite: Algebra II

Students will interpret real-life data verbally, numerically, symbolically, and graphically. Students will explore linear, quadratic, exponential, and trigonometric models. Hands-on activities will include using CBL's, motion detectors, graphing calculators, and computers to collect and analyze data. This class will not be counted toward an Honors Diploma.

## **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.

## **Robotics**

Elective Course

Grades Offered: 11, 12

Credit: 1

Prerequisite: B or higher in Algebra II, or teacher/counselor recommendation

A college preparatory course that includes following blueprints and building robots from kits, using small hand tools, matching parts with descriptions, and installing pre-fabricated sensors, motors, and other mechanisms. Once robot is finished, the course moves to task-based programming. Students will construct autonomous programs for the robots in Robot-C simple language as well as regular C-language. Programs will be run in Virtual Worlds (computer settings with robot avatars) as well as be downloaded to physical robots. Data will be collected from sensors and used in programming autonomous tasks. Students will also program remote controls and perform tasks manually with the robots.

## »»**SCIENCE (3 credits required for graduation)**

### **Physical Science**

*Required Course (except those who are taking CP Physical Science)*

Grades Offered: 9

Credit: 1

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.

### **CP Physical Science**

Elective Course

Grades Offered: 9

Credit: 1

The same concepts will be covered as in Physical Science with additional enrichment lab activities and inquiry work.

### **Biology**

*Required Course (except those taking CP Biology)*

Grades Offered: 10

Credit: 1

Students study 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**

Elective Course

Grades Offered: 10

Credit: 1

The same concepts will be covered as in Basic Biology with additional enrichment lab activities and inquiry work.

### **Chemistry**

Elective Course

Grades Offered: 1

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. Enrollment in this class may earn CCP students college credit from SSCC. The 5 college credits earned for CHEM 1120 is equivalent to high school chemistry

### **Environmental Biology**

Elective Course

Grades Offered: 11

Credit: 1

Prerequisite: Biology

Environmental Science is the investigation and recognition of interrelationships of living things within a given system. This course will focus on the following environmental science concepts: science processes and skills; characteristics of living things; energy relationships; energy sources and supply; conservation of natural resources; environmental science work applications. Grades are based on homework, tests, labs, notebooks, and exams.

### **Human Anatomy**

Elective Course

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.

### **Physics**

Elective Course

Grades Offered: 12

Credit: 1

Prerequisite: C or higher in Chemistry and concurrent enrollment in Pre-Calculus.

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.

### **Zoology**

Elective Course

Grades Offered: 10, 11, 12

Credit: 1

Prerequisite: C or higher in Biology

A study of the major groups from the animal kingdom. Emphases include: biological principals 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.

**»»SOCIAL STUDIES (3 credits required 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 Renaissance to the present. As students study historic eras, they consider the influence of geographic settings, cultural perspectives, economic systems and various forms of government. Students gain a deeper understanding of the role of citizens and continue to develop their research skills. Written reports and/or projects are required.

**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.

**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 survey course studies the development of our federal government. Students understand how the present government has developed with special emphasis on citizenship and how they can participate in the political processes. Written reports and/or projects 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.

## **»»VOCATIONAL AGRICULTURE**

### **General Requirements for Participation in any Vocational Agriculture 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. FFA members will be required to attend two summer FFA meetings and have a project at the Highland County Fair. 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 increasing 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. FFA dues, record books, notebooks, and some consumable supplies such as nails, glue and paint will be supplied through a \$20 lab fee. Enrollment in all Ag classes is limited to 16 students without written permission from the instructor.

### **Agriculture Articulation Agreement with SSCC**

Students who successfully complete an agriculture class each year in grades 9-12 may receive articulated SSCC credit for AGRI 2200 upon completion of 9 semester hours at SSCC with a GPA of 2.5 within 24 months after program completion to be awarded credit.

### **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

Credit: 1¼

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

This class is for elected FFA officers. 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. These can take the form of mentorship employment, cooperative education, apprenticeships and internships.

### **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 identify, diagnose, and maintain 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.

### **Business Management for Agricultural and Environmental Systems**

Elective Course

Grades Offered: 12

Credit: 1¼

In order to take this class, students must be currently employed in an agricultural related field. Students must also complete and return an application in order to be considered. 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.

### **Agronomic Systems**

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.

### **Science & Technology of Food**

Elective Course

Grades Offered: 11, 12

Credit: 1¼

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.

## **ON-LINE ELECTIVE COURSES**

Fairfield Local High School is excited to offer additional electives through VLA (Virtual Learning Academy) to our juniors and seniors who have a minimum cumulative GPA of 2.50. This opportunity is for students to choose an elective of interest.

### **»»CAREER TRAINING**

#### **Agriculture**

Credit: ¼

In this nine week course, students will look at careers in the agriculture and environmental systems cluster. Jobs in this cluster usually involve the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products and resources.

#### **Business Administration**

Credit: ¼

In this nine week course, students will learn what it means to have a career in business. They will also research 8 careers in the "business cluster," as well as search for information regarding these careers of the ohio means jobs website. Students will be introduced to business ethics, information technology, human resources, communications, accounting/finance, sales and project management.

#### **Career Planning**

Credit: ½

The process of finding a job can be overwhelming and a little intimidating. This semester course will guide students step by step through the process, from applying, to accepting, to keeping a job. A good start is to decide what type of job is right for each student. By looking at some questions, and thinking about past experiences, students can find what career will best suit them. They will also learn about creating a resume, and the interview process.

### **Oil & Gas**

Credit: ¼

This nine-unit course is designed to give an introduction to the oil and gas industry through the Ohio Oil and Gas Energy Education Program (OOGEEP) website. Students will explore the history of oil and gas in Ohio and will use the OOGEEP website to watch videos and engage in interactive activities. At the completion of this course, students will have a better understanding of the workings of the oil and gas business, not only in Ohio but throughout the United States.

### **Medical Terminology**

Credit: ¼

In this eighteen-unit course, students learn the basics of medical terminology. They study the scientific language that is used to describe the human body, medical conditions, and hospital procedures. The course also stresses the importance of recognizing root words, prefixes, and suffixes.

### **Public Safety**

Credit: ¼

In this nine week course, students will learn about and research careers in law, public safety, corrections and security job cluster. Students will also research 8 careers in the “public safety” cluster, as well as search for information regarding these careers on the Ohio Means Jobs website. They will learn more about the careers police officer, firefighter, EMT/paramedic, probation officer, judge, paralegal and park ranger.

### **Student Leadership**

Credit: ½

This eighteen-unit course is designed to prepare students for leadership roles and responsibilities. Students should also be able to apply leadership principles and skills in their everyday lives. They will study theories and styles of leadership along with goal setting, time management, and decision making.

## **»»ENGLISH LANGUAGE ARTS**

### **Greek Mythology**

Credit: ½

Greek mythology is a semester elective course. Since we find many references to mythology in literature, music, the arts, advertising, history, and language, Greek mythology serves as a background for multi-disciplinary curricula. Myths focusing on major Greek gods, goddesses, and heroes encourage and motivate students to read and explore classical mythology. Students read several myths, use the writing process to respond to each selection, and independently research several mythical characters

### **Poetry**

Credit: ½

Poetry is a semester elective course. Poems were selected to encourage and motivate students to read and enjoy American poetry. Students read and analyze poems and use the writing process to respond to poems. They also study literary terms related to each selection.

### **Roman Mythology**

Credit: ½

Roman mythology is a semester elective course. Since we find many references to mythology in literature, music, the arts, advertising, history, and language, roman mythology serves as a



background for multi-disciplinary curricula. Myths focusing on major roman gods, goddesses, and heroes encourage and motivate students to read and explore classical mythology. Students read several myths, use the writing process to respond to each selection, and independently research several mythical characters.

### **Short Stories**

Credit: ½

American short stories is a semester elective course. Stories were selected to encourage and motivate students to read and enjoy American literature. Students read several short stories and use the writing process to respond to each selection. They write a short story and independently complete research.

## **»»FINE ARTS**

### **Art History**

Credit: ½

In art history, students use the elements of art and the principles of design. Although many elements and principles were never recorded nor even acknowledged throughout history, students may still use the ideas to study the rich diversity of art work. The elements of art are line, shape, color, value, shape, form, texture, and space. The principles of design are balance, emphasis, movement, harmony, contrast, pattern, proportion, and unity. In each unit, students examine an element and a principle using several masters of the renaissance, Claude Monet, Picasso and Matisse.

### **History of Jazz**

Credit: ½

In the history of jazz, students will begin the course with a brief lesson in basic music terminology that will help them understand the development of this American popular music genre. They will then study the origins of jazz in the nineteenth century and the numerous musical style developments including, ragtime, swing music, bebop, cool jazz, free jazz, fusion, and modern jazz. Students will also get an in-depth look at some of the biggest names in the development from Louis Armstrong and Duke Ellington to Miles Davis, and Wynton Marsalis. Numerous video and audio recordings will be used throughout the class as a resource to truly understand the development of this genre of music.

### **Renaissance Art**

Credit: ½

In renaissance art, students learn about the rebirth of ideas and art from the classical period of the Greeks and Romans. They study the lives and works of Michelangelo, Da Vinci, and Raphael, three primary artists featured in this course, and learn that versatility was a key to the greatness of renaissance artists who were also writers, scientists, and mathematicians. Students learn how the arts flourished during the renaissance period and about artists who were often individuals of great social stature, wealth and influence.

## **»»SOCIAL STUDIES**

### **Games through the Ages**

Credit: ½

In this eighteen-unit course, students will learn that games reflect the social, religious, political and economic elements of every society's culture. They will also have the opportunity to construct game boards developed by ancient civilizations and to demonstrate a knowledge of game rules by

accurately applying them. The designs of new and old games will be compared and contrasted. The course includes a number of projects that students must photograph and send to the instructor.

### **Geography**

Credit: ½

In this course, students will have the opportunity to study the interaction of people and cultures, as well as natural and physical environments in the major areas of the world. The course is designed to familiarize students with the world and how they, along with their community, can play a role in the development of the world. Students will also study and develop an understanding of various regions of the world and will focus on several geographic topics in each region. In addition, students should develop an understanding of how physical geography impacts the way humans live and interact with their world and how humans have changed the world's physical geography. As citizens our lives are greatly impacted by the rest of the world and this is our opportunity to learn about many of these places and issues.

### **Sociology**

Credit: ½

This course is an introduction to the field of sociology. Students will have the opportunity to explore the study of social relationships in a variety of areas. The students begin by understanding what sociology is, then learn how sociology applies to real life. Students examine topics that they can relate to, such as cultural diversity, adolescent development, and society's rules. Students gain an understanding of society's functions and how people function in society. At the conclusion of this course, students will have insight to themselves, to other people in their lives, and to their world as a whole.

## **»»ENTERTAINMENT TECHNOLOGY**

### **Games through the Ages**

Credit: ½

\*This course is a prerequisite to all other entertainment technology courses.

Whether we play alone or with friends, almost everyone enjoys a good game. From Candyland to fantasy football, games entertain us and challenge us, but their impact throughout history goes much deeper. In this course, you will learn that games reflect the social, religious, political and economic elements of every society's culture. You will also have the opportunity to construct game boards developed by ancient civilizations and to demonstrate knowledge of game rules by accurately applying them. The designs of new and old games will be compared and contrasted.

### **Game Design Studio**

Credit: ½

Prerequisite: Games through the Ages

Welcome to game design studio! This course will show students what it takes to play and create their own complex games. Students who are interested in entering the industry will benefit from this in-depth approach. Planning, organization, and writing skills will be emphasized, and projects will accompany what is covered in every unit. The game designs in this course will be "pencil-and-paper" games, built as hands-on prototypes. This will allow you to concentrate on game design, rather than learning a new [digital] tool. Using standard art supplies will allow you to rapidly prototype, playtest, and revise your games much faster than any other way.

### **Game Production and Marketing**

Credit: ½

Prerequisite: Games through the Ages

This course is for individuals who wish to understand the entire process of designing a game, marketing a game and, finally, getting that game into the hands of customers who wish to play the game. With the rise of the video game industry, many gamers are inspired to work in that industry. Some people may believe there is really only one job in the industry, that of game designer/programmer. While that job is crucial (and really is two jobs: game designer and game programmer) there are, in actuality, many other jobs in the business. During this course you will have the opportunity to investigate team roles and collaboratively create a game. You'll not only try out team roles to see what they are like, but throughout this course you'll also gain a greater understanding of where the roles fit in the business of producing and marketing games

### **Modern Storytelling**

Credit: ½

Prerequisite: Games through the Ages

This course teaches the fundamentals of dramatic storytelling. Stories that you read work very differently than stories you see. For example, novels work very differently than films, plays, television shows, or games. Each of the visual mediums works slightly differently, yet all of them share more similarities when compared to written fiction.

## **»»SCIENCE**

### **Advanced Biology**

Credit: 1

This advanced biology elective course emphasizes the concepts, principles, and theories that enable people to understand the living environment. This course will have students further develop their basic biological knowledge, in addition to, demonstrating the application of biological concepts such as the structure, function, and processes of cells, the genetic and molecular basis of inheritance, biological evolution of various species, and the diversity and interdependence of life. This course also provides an emphasis on the six kingdoms of classification of living organisms, relating to the concepts of evolution, and the diversity and interdependence of life. Embedded throughout this study are the basic scientific processes of inquiry, modeling investigations, and the nature of science. Students will learn to trace the historical development of scientific theories, ideas, and ethical guidelines in science. This course will also address the interdependence of science and technology, and the study of emerging issues to become scientifically literate citizens.

### **Forensic Science**

Credit: ½

Forensic science will allow students opportunities to develop and extend scientific skills and processes through problem-based learning. Students will engage in activities that will relate to other subject areas such as: biology, chemistry, physics, mathematics, sociology, archaeology, anthropology, anatomy, health, and writing. Forensic science will connect these subject areas to real-life applications used in criminal investigations.

### **Marine Biology**

Credit: ½

Marine biology is the study of all things pertaining to the oceans, both living and non-living. Marine biology is a survey course designed for students who already have had a successful foundation in biology. The first part of the course focuses on oceanography and looks at physical aspects like

tectonics, tides, and currents. The second half of the course deals with living components, starting with microscopic life and moving forward to advanced animals.

## **»»TECHNOLOGY**

### **Digital Skills**

Credit: ½

This course focuses on the skills that students will need to be successful as digital citizens in a global economy. The topics that this course will cover have been selected to give the student an understanding of technology and the ability to productively use technology in their daily lives. Students graduating from high school today will need to have the ability to analyze a problem, and then apply the appropriate technological approach to solving that problem. This will be the case in most fields that students will be entering. Additionally, some students will need the ability to use technology to create. In this course, students will be asked to create original works using various technologies. After completion of this course, students will be more prepared to compete and thrive in an increasingly digital and global economy.

### **Digital Citizenship**

Credit: ½

Students in Elementary Digital Citizenship – Part I will explore ways to become a good digital citizen in today's world. In each unit students will be introduced to various digital citizenship elements: digital literacy, digital access, digital rights and responsibilities, and most importantly digital safety. Throughout this course students will have opportunities to watch videos, listen to sound clips, and complete activities.

## **»»TEST PREPARATION**

### **Study Skills**

Credit: ½

The study skills and strategies course is broken into two 9 unit sections. The first nine weeks concentrate on student learning styles, management of study time and routines, note taking strategies from textbooks, classes, and presentations, and ends with test taking tips strategies. The second nine weeks concentrate on using reference sources, remembering strategies, standardized test taking strategies, building vocabulary through clues, and ends with the final exam and college preparation strategies. Each unit consists of Prezi or Power Point lectures. Students will encounter different types of activities and video presentations as they follow along with the lecture. A concept check is administered to assess student content knowledge at the end of each unit. As the students finish course, they will be asked to complete a study skills and strategies portfolio. This portfolio will be used as a reference source for the rest of their high school and college careers.