

## COURSE DESCRIPTIONS - COMMUNICATIONS DEPARTMENT

### HONORS COMMUNICATIONS 9 – 0100

**Grade 9  
REQUIRED (1 credit)**

**Purpose:** Honors English 9 is a semester-long college preparatory course designed for freshmen who want to begin preparation for English Advanced Placement exams or for advanced students who want to take an accelerated English course. It is integrated with Honors Social Studies, which is also a semester-long course.

**Course Description:** This course emphasizes an American humanities approach, which ties together literature, history, culture, and the arts of the twentieth century. Honors Communication 9 also stresses the basics: development of reading, writing, speaking, and vocabulary skills. Because the course uses a historical and humanities approach, the curriculum demands that applying students think, interpret, and respond both globally and analytically.

**Requirements:** Students must be willing to challenge themselves to think and communicate on high levels. All students will complete at least one research project, including in-text citations and works cited, on some aspect of American society. Course assignments include frequent compositions, projects, and oral presentations for various purposes and audiences. Students read major works of American literature including novels, plays, short stories, and poetry, in addition to selected excerpts from an American literature text.

**Prerequisites:** Students with a 93% or above in eighth grade English are eligible to apply; however, a comprehensive assessment of the following criteria will determine placement in this course: previous courses taken/grades earned; teacher recommendation; PSSA reading and writing scores: Advanced; eighth grade classroom reading and writing pre- and post-test scores: Advanced; reading stanines: 7-9; required entrance essay submitted within timeline specified by Honors American Studies and communication teachers: Superior performance. *Students enrolled in Honors Communication 9 must also enroll in Honors Social Studies 9. Students must complete the summer reading assignments which will be assessed by performance on projects, online activities and discussion.*

### COLLEGE PREPARATORY COMMUNICATIONS 9 - 0101

**Grade 9  
REQUIRED (1 credit)**

**Purpose:** This freshman preparatory course is designed to familiarize the college-bound student with a variety of literary genres, composition techniques, and language and thinking skills.

**Course Description:** Emphasizing basic English skills and early American literature, this course is designed to provide students with a common background in reading, writing, speaking, and listening competencies. Additionally, SAT vocabulary development, reading, and information management will be stressed as skills necessary to prepare the student for college.

**Requirements:** Students will write numerous compositions emphasizing paragraphing skills and illustrating a variety of modes and styles. Each student will complete multi-paragraph formal reports based on reading and research activities. Other projects are also required. Literature study will focus on different genres of American Literature from 1600 to 1900 with each student reading selected short stories, poems, non-fiction works, and novels. In addition to composition and literature assessments, regular tests in vocabulary will be required.

**Prerequisite:** It is required that students requesting enrollment in this class have a combined score of 77% or above in eighth grade English and reading. Additionally, a comprehensive assessment of the following criteria will determine placement in this course: previous courses taken/grades earned; teacher recommendation; PSSA reading and writing scores: Proficient; eighth grade classroom reading and writing pre- and post-test scores: Proficient; reading stanines: 4-6.

## COLLEGE PREPARATORY COMMUNICATIONS 10 - 0105

*Grade 10  
REQUIRED (1 credit)*

**Purpose:** This sophomore preparatory course is designed to familiarize the college-bound student with a variety of literary genres, composition techniques, and language and thinking skills.

**Course Description:** Emphasizing twentieth and twenty-first century American literature, this course is designed to provide students with a common background in reading, writing, speaking, and listening skills. Additionally, test-taking skills, vocabulary development, reading skills, and information management skills will be stressed, as will the skills necessary to prepare the student for college.

**Requirements:** Composition skills will stress effective completion of multi-paragraph compositions. Each student will complete a literary analysis utilizing in-text citations and a works cited list. Literature study requires students to read novels, poetry, a Shakespearean drama and various shorter pieces of literature. In addition, focus on vocabulary development is required as growth of language skills is stressed. A variety of projects and presentations are also required. Students are expected to successfully complete homework, and pass quizzes, tests, and prepare written assessments.

**Prerequisites:** It is required that students requesting enrollment in this class have a score of 77% or above in College Prep Communication 9. Additionally, a comprehensive assessment of the following criteria will determine placement in this course: previous courses taken/grades earned; teacher recommendation; PSSA reading and writing scores: Proficient; ninth grade classroom reading and writing pre- and post-test scores: Proficient; reading stanines: 4-6.

## HONORS COMMUNICATIONS 10 - 0104

*Grade 10  
REQUIRED (1 credit)*

**Purpose:** Honors Communication 10 is a college preparatory course designed for sophomores who want to continue preparation for English Advanced Placement exam or for advanced students who want to take an accelerated English course.

**Course Description:** Emphasizing a world humanities approach, this course surveys representative literature from ancient myths to contemporary novels and poetry. Honors Communication 10 also stresses the basics: development of reading, writing, speaking, and vocabulary skills. Because the course uses a historical and humanities approach, the curriculum demands that applying students think, interpret, and respond both globally and analytically.

**Requirements:** Students must challenge themselves to think and communicate. All students will complete a multi-genre research paper, including in-text citations and works cited, on a world literature novel or play. Course assignments include frequent compositions, projects, and oral presentations for various purposes and audiences. Students read major works of world literature including novels, plays, short stories, and poetry, in addition to selected excerpts from a world literature text.

**Prerequisites:** Students who successfully completed Honors Communication 9 with a score of 85% or above and students who earned a 93% or above in ninth grade College Prep Communication are eligible to apply; however, a comprehensive assessment of the following criteria will determine placement in this course: previous courses taken/grades earned; teacher recommendation; PSSA reading and writing scores: Advanced; ninth grade classroom reading and writing pre- and post-test scores: Advanced; reading stanines: 7-9. While some students may have the potential for honors work, they are accepted into the program on the basis of their academic performance during freshman year. Students must complete the summer reading assignments which will be assessed by performance on projects, and online activities and discussion.

**COLLEGE PREPARATORY COMMUNICATIONS 11 - 0109****Grade 11  
REQUIRED (1 credit)**

**Purpose:** This junior preparatory course will enhance reading, speaking, writing, listening and thinking skills through a study of world literature.

**Course Description:** Encompassing world literature, this course is designed to provide language and composition skills necessary for the successful college-bound student. Vocabulary, grammar, and rhetorical skills will be evaluated in the classroom through a multitude of assessments

**Requirements:** All students will be required to successfully complete classic readings of both ancient and contemporary relevance, short stories, essay and objective tests, and quizzes as assigned. In addition, students will be assigned vocabulary activities, compositions, research projects and novels. Critical reading, composition and language skills will be stressed.

**Prerequisites:** It is required that students requesting enrollment in this class have a score of 85% or above in College Prep Communication 10. Additionally, a comprehensive assessment of the following criteria will determine placement in this course: previous courses taken/grades earned; teacher recommendation; PSSA reading and writing Scores: Proficient; tenth grade classroom reading and writing pre- and post-test scores: Proficient; reading stanines: 4-6.

**ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION II - 0117****Grade 11  
REQUIRED (1 credit)**

**Purpose:** This course continues the Honors 9 and 10 Communication program. Its purpose is to challenge and improve students' reading, writing, speaking, and critical thinking skills through literary analysis, writing, discussion, and creative projects. This course is designed for the highly motivated student who possesses an excellent command of reading and writing skills.

**Course Description:** This course seeks to improve students' communication skills by examining elements of discourse and rhetorical strategies in non-fiction selections. This course also includes vocabulary development and SAT and A.P. preparation.

**Requirements:** Students must be willing to challenge themselves to think and communicate on higher levels. This course requires students to understand and implement the elements of rhetoric and argument through readings of non-fiction and writings that are analytical, personal, and reflective. Students will utilize the writing process and vocabulary development in their research and analysis of the elements of rhetoric.

**Prerequisites:** Students who successfully completed Honors Communication 10 with a score of 85% or above and students who earned a 93% or above in tenth grade College Prep Communication are eligible to apply; however, a comprehensive assessment of the following criteria can determine placement in this course: previous courses taken/grades earned; teacher recommendation; PSSA reading and writing scores: Advanced; tenth grade classroom reading and writing pre- and post-test scores: Advanced; reading stanines: 7-9. While some students may have the potential for honors work, they are accepted into the program on the basis of their academic performance during freshman and sophomore years. Students must complete the summer reading assignments given the preceding spring and be ready for an assessment of their reading during the summer and the first two weeks of the course.

**ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION – 0112****Grade 12  
REQUIRED (1 credit)**

**Purpose:** This course continues the Honors 9, 10, and 11 Communication program. Its purpose is to challenge and improve students' reading, writing, speaking, and critical thinking skills through college-level literary analysis, writing, discussion, and creative projects. This course is designed for the highly motivated student who possesses an excellent command of reading and writing skills.

**Course Description:** This course seeks to improve students' communication skills by examining British and world literature and humanities from the Renaissance to modern times. This course includes vocabulary development and preparation for the Advanced Placement examination.

**Requirements:** Students must be willing to challenge themselves to think and communicate on higher levels. They will read British and world novels, drama, short stories, and poetry from the Renaissance to modern times. Students will write creative and expository compositions and a research paper. Students will have vocabulary development and preparation for the Advance Placement test, which all students are expected to take (as part of the final exam or in May). Students are encouraged to take Advanced Placement European History 12, which provides historical analysis of the eras studied in this course.

**Prerequisites:** Students who successfully completed AP English Language and Composition 11 with a score of 85% or above and students who earned a 93% or above in eleventh grade College Prep Communication are eligible to apply; however, a comprehensive assessment of the following criteria can determine placement in this course: previous courses taken/grades earned; teacher recommendation; PSSA reading and writing scores: Advanced; eleventh grade classroom reading and writing pre- and post-test scores: Advanced; reading stanines: 7-9. While some students may have the potential for honors work, they are accepted into the program on the basis of their academic performance during freshman, sophomore, and junior years. Students must complete the summer reading assignments given the preceding spring and be ready for an assessment of their reading during the summer and the first two weeks of the course.

#### **COLLEGE PREPARATORY COMMUNICATIONS 12 - 0113**

**Grade 12  
REQUIRED (1 credit)**

**Purpose:** This senior preparatory course will prepare students for their future collegiate careers, focusing on various composition skills, reading strategies, speaking techniques, and research skills.

**Course Description:** Emphasizing world literature, this course is designed to provide language and composition skills necessary for the college bound student. This course will integrate the following skills: literary analysis, composition, vocabulary, basic language skills, and technology.

**Requirements:** The students will be required to write literature based, research-oriented critical reviews and short compositions (both creative and expository). In addition, students will read selected pieces from world literature in all literary genres. Project work on major units will be required. Frequent quizzes, unit tests, demonstration of skills, and digital portfolio work will assess student progress. Development of basic language and computer application skills will also be expected.

**Prerequisites:** It is required that students requesting enrollment in this class have a combined score of 77% or above in College Prep Communication 11. Additionally, a comprehensive assessment of the following criteria will determine placement in this course: previous courses taken/grades earned; teacher recommendation; PSSA reading and writing scores: Proficient; eleventh grade classroom reading and writing pre- and post-test scores: Proficient; reading stanines: 4-6.

#### **HONORS ACADEMIC DECATHLON – 0320**

**Grades 9, 10, 11, 12  
ELECTIVE – FALL Semester (1 credit)**

**Purpose and Course Description:** This course will prepare the student to participate in the Academic Sports League and Academic Decathlon Programs. Specific class work and lessons will highlight the study areas for the year's competition. Students will study art, music, literature, science, and social studies. Students will also be instructed in speech writing and delivery, and skills necessary to participate in an interview. Attendance at three [3] Saturday competitions is required.

**Prerequisites:** None

**COURSES IN RED ARE NEW THIS YEAR**

**NOTE:** Students may *not* fulfill their English credit obligation by taking this elective course. Students may take this course and not compete on the team or students may be on the team but not take this course. This course may be taken multiple years.

**SCHOOL PUBLICATIONS I – 0132**

**Grades 9, 10, 11, 12**  
**ELECTIVE – (1 credit)**

**Description:** School Publications Seminar is a class for students who serve as designers/writers of the Fairview High School yearbook and newspaper. Students will produce these publications using current professional journalism methods and state-of-the-art desktop publishing software including but not limited Adobe Suite. Individual work will be evaluated using performance-based authentic assessment procedures. Courses such as photography, communications, and computer applications provide a background for this class. Students are required to participate in an advertising campaign for the yearbook.

**Prerequisite:** Completed application, faculty review, and an interview.

**NOTE:** This course may be repeated throughout the high school career in the *elective* category. Students may *not* fulfill their English credit obligation by taking this elective course.

**SCHOOL PUBLICATIONS II - 0134**

**Grades 10, 11, 12**  
**ELECTIVE – (1 credit)**

**Description:** Publications Seminar II is a year-long workshop class for students in grades 10, 11 and 12 who have successfully completed Publications Seminar I. Students will provide leadership in such positions as editor-in-chief, assistant editor, photography editor, business manager, etc., to produce the official Fairview High School yearbook and newspaper. Editorial positions are competitive based on a portfolio, essay, and interview. This class is scheduled with the Publications Seminar I students. Students in this section will be responsible for content of the yearbook and newspaper as well as provide funding for the publication using current advertising and marketing techniques.

**Prerequisite:** Successful completion of Publications Seminar I or teacher recommendation.

**NOTE:** This course may be repeated throughout the high school career in the *elective* category. Students may *not* fulfill their English credit obligation by taking this elective course.

**APPLIED COMMUNICATIONS 9, 10, 11, 12 - 0102 (grade 9)**  
**12**

**Grades 9, 10, 11, and**

**credit)**

**- 0106 (grade 10)**

**REQUIRED (1**

**- 0110 (grade 11)**

**- 0114 (grade 12)**

**Purpose:** These courses are designed to introduce, develop, reinforce, and apply basic skills in reading, writing, listening, and speaking. Effective communication skills for the workplace are emphasized.

Vocabulary development of SAT and PSSA test preparation practice are also elements of the courses. The student enrolled in these courses will be prepared either to enter post-secondary schools, technical institutions, or community colleges where degrees and/or diplomas are awarded for those preparing for high-tech careers

**Course Description:** The courses focus on oral and written communication skills, covering the following areas: composition, grammar, literature, vocabulary and speech as related career-oriented communication skills.

**Requirements:** Career-related communication will be stressed. Students will write various compositions and read literature from a variety of time periods and genres. Oral and other projects will also be required.

**Prerequisites:** Those students who meet the following criteria, based on a comprehensive assessment, are required to enroll in the appropriate Applied Communication course: Classroom pre- and post-test scores: Basic or Below Basic; PSSA reading and writing scores: Basic or Below Basic; reading stanines:

below 4. Previous course  
be taken into consideration

**COURSES IN RED ARE NEW THIS YEAR**

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### **ADVANCED CREATIVITY - 0112**

**Grades 9, 10, 11, 12**  
**ELECTIVE – (1 credit)**

**Purpose/Goal:** This program provides creative, public venues in which students will publish their art, music, creative writing, dramatic performances, speeches, informative announcements and other products

**Course Description:** This course fosters creative work that students will publish using web 2.0 tools and other digital and print media for Fairview High School students and staff and for the global community.

**Prerequisite:** None required

**Requirements:** All students will create and develop multiple pieces in a variety of genres for digital publication and will prepare for and present live and/or recorded video and audio public announcements and projects.

Options for Achieving Course Objectives:

- All students will create and compose original oral, written, musical, and/or artistic presentations that are designed to persuade, inform, entertain, or describe.
- All students will use effective research and information management skills, including locating primary and secondary sources of information with traditional and emerging technologies.
- All students will respond to information and ideas gained by reading narrative and informational texts and will use information and ideas to publish those responses in digital, public forums.
- All students will analyze and make critical judgments about various forms of communication, separating fact from opinion, recognizing propaganda, stereotype and statements of bias, recognizing inconsistencies and judging the validity of evidence.
- All students will exchange information orally, including understanding and giving spoken instructions, asking and answering questions appropriately and promoting effective group communications.
- All students will publish acceptable, original work in a public venue.

### **FILM STUDY - 0127**

**Grades 11, 12**  
**ELECTIVE (1 credit)**

**Purpose and Course Description:** Film Study is designed to help students better understand and appreciate film and filmmaking. Content highlights film structure, cinematography, production design, editing, sound design, narrative, foreign film, Hollywood history, film criticism and film theory.

**Requirements:** Students taking film study are required to watch films both in and out of school, conduct and report on research, write about and discuss film and potentially work through the process of creating an original film.

**Prerequisite:** Students must complete the summer reading/watching assignment given the preceding spring and be ready for an assessment of their reading/watching during the first two weeks of the course.

Students may repeat Film Study for credit.

**NOTE:** Students may *not* fulfill their English credit obligation by taking Film Study.

**SAT Math-Verbal - 4010**

**Grade 11**  
**REQUIRED (.5 credit) Offered FALL only**

**SAT Description:** The purpose of this course is to provide students with an introduction to the strategy, format, and content of the SAT college board verbal exam. It is highly recommended that all students taking **SAT MATH-VERBAL, continued**

this course register to take the SAT on the first test date scheduled following the completion of the course. The test dates usually fall on the first Saturday in November and the third Saturday in January. In addition, students will explore the college selection and application process.

**Prerequisites: SAT Verbal:** Students must have completed two credits of college-bound or honors communications with passing grades. **SAT Math:** Students must have completed one credit of algebra and one credit of geometry or higher with passing grades. Students must provide their own calculator. A TI 30x or above is recommended.

**NOTE:** Students may *not* fulfill their English credit obligation by taking this course.

**THEATRE STUDIES I – 0115**

**Grades 9, 10, 11, 12**  
**ELECTIVE (1 Credit)**

**Purpose and Description:** Theatre Studies I is designed to acquaint students with the foundations of theatre. Topics covered will include but not be limited to: improvisation, playwriting, technical theatre, musical theatre, theatre research and history, dramatic literature, movement, and acting.

**Requirements:** Students taking Theatre Studies I are required to complete daily activities concerning theatre. This is an active class – students must be willing to participate.

**NOTE:** Students may *not* fulfill their English credit obligation by taking this course.

**THEATRE STUDIES II – 0116**

**Grades 10, 11, 12**  
**ELECTIVE (1 Credit)**

**Purpose and Description:** Theatre Studies II is a continuation of Theatre Studies I, covering more in-depth the following topics: improvisation, playwriting, technical theatre, musical theatre, theatre research and history, dramatic literature and acting.

**Requirements:** Students taking Theatre Studies II are required to complete daily activities concerning theatre. This is an active class – students must be willing to participate.

**Prerequisites:** Theatre Studies I

**NOTES:** Students may not fulfill their English credit obligation by taking this course.

Theatre Studies II may be repeated for credit.

## COURSE DESCRIPTIONS – WORLD LANGUAGE

**NOTE:** COLLEGE PREP AND HONOR STUDENTS MUST COMPLETE A 2-YEAR SEQUENCE OF EITHER FRENCH OR SPANISH AT FAIRVIEW HIGH SCHOOL. [ONE YEAR OF EACH LANGUAGE DOES NOT FULFILL THE REQUIREMENT.]

IDEALLY LEVELS I AND II SHOULD BE TAKEN IN CONSECUTIVE SEMESTERS.

### FRENCH I - 0200

*Grades 9, 10, 11, 12  
REQUIRED – (1 credit)*

**Course Description:** This course examines the people, language, culture, history, geography, and daily customs for French speaking countries. Emphasis is on acquiring basic communicative skills of listening, speaking, reading, and writing.

**Course Outcomes:** The French I student does the following: identifies French speaking countries, capitals, and their location, reproduces French sound system, spells with French alphabet, uses basic vocabulary to list, describe, and ask and answer questions, forms sentences with simple grammatical structures, both orally and in writing, reacts appropriately to classroom commands, compares various aspects of French culture to her/his own, demonstrates understanding of variety of reading sources, discerns main idea of language produced by native speakers, utilizes strategies such as recognizing cognates and meaning from content to enlarge vocabulary, interacts in pairs and groups through meaningful exchanges.

**Requirements:** Students are responsible for daily homework, projects, class activities, quizzes, tests and final exams.

**NOTE:** Advancement to French II requires at least a 77% in French I.

### FRENCH II - 0201

*Grades 9, 10, 11, 12  
REQUIRED – FALL ONLY (1 credit)*

**Course Description:** This course examines the people, language, culture, history, geography, and daily customs of French speaking countries. Emphasis is on acquiring basic communicative skills of listening, speaking, reading, and writing.

**Course Outcomes:** The French II student does the following: identifies French speaking countries and discusses key facts pertaining to them., approximates authentic pronunciation, demonstrates understanding of native speakers and a variety of written material, utilizes strategies such as recognizing cognates and meaning from content to enlarge vocabulary, uses basic vocabulary to list, describe, ask and answer questions, will begin to utilize synonyms, forms more grammatically complex sentences both orally and in writing, reacts appropriately to and gives commands, compares various aspects of French culture to her/his own, interacts in pairs and groups through meaningful exchanges.

**Requirements:** Students are responsible for daily homework, projects, class activities, quizzes, tests, and final exams.

**Prerequisites:** Advancement to French III requires at least a 77% in French II.

### HONORS FRENCH III - 0202

*Grades 10, 11, 12  
ELECTIVE (1 credit)*

**Course Description:** This course examines the people, language, culture, history, geography, and daily customs of French speaking countries. Students will refine listening, speaking, reading, and writing skills; increase both active and passive vocabulary; integrate more complex grammatical structures; and expand knowledge of art, music, and literature.

## HONORS FRENCH III, continued

**Course Outcomes:** the French III student does the following: discusses current events pertaining to French speaking countries, approximates authentic pronunciation, demonstrates understanding of native speakers and a variety of written materials, expands passive and active vocabulary, uses oral and written language to describe, make inquiries, express opinions, draw conclusions, analyze and evaluate, forms grammatically complex sentences orally and in writing, shows familiarity with and discusses French customs, identifies highlights of French art, music, and literature, interacts in pairs and groups through meaningful exchanges.

**Requirements:** Students are responsible for daily homework, projects, class activities, quizzes, tests, and final exams.

**Prerequisites:** Advancement to French IV requires at least a 77% in French III.

## HONORS FRENCH IV - 0203

**Grades 10, 11, 12**  
**ELECTIVE (1 credit)**

**Course Description:** This course examines the people, language, culture, history, geography, and daily customs for French speaking countries. Students will refine listening, speaking, reading, and writing skills; increase both active and passive vocabulary; integrate more complex grammatical structures; and expand knowledge of art, music, and literature.

**Course Outcomes:** The French IV student does the following: discusses current events pertaining to French speaking countries, approximates authentic pronunciation, demonstrates understanding of native speakers and a variety of written materials, expands passive and active vocabulary, uses oral and written language to describe, make inquiries, express opinions, draw conclusions, analyze and evaluate, forms grammatically complex sentences orally and in writing, shows familiarity with and discusses French customs, identifies highlights of French art and music, reads and critiques excerpts from French literature, interacts in pairs and groups using meaningful exchanges.

**Requirements:** Students are responsible for daily homework, projects, class activities, quizzes, tests, and final exams.

**Note:** Students are encouraged to take the College Board achievement test in French as seniors and to ask instructors about the A.P. exam.

## AP FRENCH V - 0204 and FRENCH VI - 0205

**Grades 11, 12**  
**ELECTIVE (1 credit)**

**Course Description:** In this advanced level course, the students will continue to examine the people, language, culture, history, and geography of France and other French speaking countries. Students will continue to refine the communication skills (listening, speaking, reading, and writing) by engaging in impromptu conversations, watching movies and other videos/DVDs, reading novels, writing weekly journal entries, writing compositions, and various other methods. For students interested in taking the AP French

### AP

Language exam, the above methods will be supplemented with materials more specific to the AP exam.

**Course outcomes:** The French V student does the following: discuss current events pertaining to French speaking countries, approximate authentic pronunciation, demonstrate understanding of native speakers and a variety of written materials, expand passive and active vocabulary, use oral and written language to describe, make inquiries, express opinions, draw conclusions, analyze and evaluate, forms grammatically complex sentences orally and in writing, show familiarity with and discusses French customs, identify highlights of French art and music, read and critiques excerpts from French literature, interact in pairs and groups using meaningful exchanges.

**Requirements:** Students are responsible for daily homework, projects, class activities, quizzes, tests and

final exams.

**SPANISH I – 0206**

**Grades 9, 10, 11, 12  
REQUIRED (1 credit)**

**Course Description:** This course examines the people, language, culture, history, geography, and daily customs of Hispanic countries. Emphasis is on acquiring basic communicative skills of listening, speaking, reading, and writing.

**Course Outcomes:** The Spanish I student does the following: identifies Hispanic countries, capitals, and their locations, reproduces Spanish sound system, spells with Spanish alphabet, uses basic vocabulary to list, describe, ask and answer questions, form sentences with simple grammatical structures, both orally and in writing, reacts appropriately to classroom commands, compares varieties of Hispanic culture to their own, demonstrates understanding of variety of reading sources, discerns main idea of language produced by native speakers, utilizes strategies such as recognizing cognates and meaning from content to enlarge vocabulary, interacts in pairs and groups through meaningful exchanges.

**Requirements:** Students are responsible for daily homework, projects, class activities, quizzes, tests, and final exams.

**SPANISH II – 0207**

**Grades 9, 10, 11, 12  
REQUIRED (1 credit)**

**Course Description:** This course examines the people, language, culture, history, geography, and daily customs of Hispanic countries. Emphasis is on acquiring basic communicative skills of listening, speaking, reading, and writing.

**Course Outcomes:** The Spanish II student does the following: identifies Hispanic countries and discusses key facts pertaining to them, approximates authentic pronunciation, demonstrates understanding of native speakers and a variety of written material, utilizes strategies such as recognizing cognates and meaning from content to enlarge vocabulary, uses basic vocabulary to list, describe, ask and answer questions will begin to utilize synonyms, forms more grammatically complex sentences both orally and in writing, reacts appropriately to and gives commands, compares varieties of Hispanic culture to her/his own, interacts in pairs and groups through meaningful exchanges.

**Requirements:** Students are responsible for daily homework, projects, class activities, quizzes, tests, and final exams.

**Prerequisite:** Advancement to Spanish II requires at least a 77% in Spanish I.

**HONORS SPANISH III – 0208**  
**12**

**Grades 10, 11,**

**ELECTIVE (1 credit)**

**Course Description:** This course examines the people, language, culture, history, geography and daily customs of Hispanic countries. Students will refine listening, speaking, reading and writing skills; increase both active and passive vocabulary; integrate more complex grammatical structures; and expand knowledge of art, music and literature.

**Course Outcomes:** The Spanish III student does the following: discusses current events pertaining to Hispanic countries, approximates authentic pronunciation, demonstrates understanding of native speakers and a variety of written materials, expands passive and active vocabulary, uses oral and written language to describe, make inquiries, express opinions, draw conclusions, analyze and evaluate, forms grammatically complex sentences orally and in writing, shows familiarity with and discusses Hispanic customs, identifies highlights of Hispanic art, music and literature, interacts in pairs and groups through meaningful exchanges.

**Requirements:** Students are responsible for daily homework, projects, class activities, quizzes, tests, and

final exams.

**Prerequisite:** Advancement to Spanish III requires at least a 77% in Spanish II.

**HONORS SPANISH IV – 0209**  
**12**

**Grades 10, 11,**

***ELECTIVE (1 credit)***

**Course Description:** This course examines the people, language, culture, history, geography, and daily customs of Hispanic countries. Students will refine listening, speaking, reading and writing skills; increase both active and passive vocabulary; integrate more complex grammatical structures; and expand knowledge of art, music and literature.

**Course Outcomes:** The Spanish IV student does the following: discusses current events pertaining to Hispanic countries, approximates authentic pronunciation, demonstrates understanding of native speakers and a variety of written materials, expands passive and active vocabulary, uses oral and written language to describe, make inquiries, express opinions, draw conclusions, analyze and evaluate, forms grammatically complex sentences orally and in writing, shows familiarity with and discusses Hispanic customs, identifies highlights of Hispanic art and music, reads and critiques excerpts from Hispanic literature, interacts in pairs and groups by meaningful exchanges.

**Requirements:** Students are responsible for daily homework, projects, class activities, quizzes, tests, and final exams.

**Prerequisite:** Advancement to Spanish IV requires at least a 77% in Spanish III.

**SPANISH V – 0210**

**Grades 11, 12**  
***ELECTIVE (1 credit)***

**Course Description:** This advanced level course is conducted using a seminar approach common in upper division college classes and will utilize post-secondary level materials. The class is taught almost entirely in the target language. It will continue the examination of the people, language, culture, history, geography and daily customs for Spanish-speaking countries. Students will continue to refine listening, speaking, reading and writing skills with expanded use of extemporaneous conversation (a skill needed for the AP Spanish knowledge of Hispanic art, music and literature). Technology will be utilized in the class via PowerPoint presentations and on-line research and interactive language practice. All students will be given guidance and considerable practice for the AP exam, including the use of sample tests, and may decide to take the exam. An authentic Mexican soap opera series is viewed to provide extensive exposure to day-to-day culture and communicative situations and the different types of language functions that are appropriate for them. Prepare and present a final project.

**Course Outcome:** The Spanish V student does the following: discuss elements that pertain to life in Hispanic countries, including customs, history, the arts and current events, approximate authentic pronunciation, demonstrate understanding of native speakers and a variety of written materials, expand passive and active vocabulary, use oral and written language to describe, make inquiries, express opinions, draw conclusions, analyze and evaluate via grammatically complex sentences with developed vocabulary, read and critique excerpts from Hispanic literature, watch and critique a television series, interact spontaneously in pairs and groups using meaningful exchanges.

**Requirements:** Students are responsible for daily homework, projects, class activities, quizzes, tests, and final exams.

**Prerequisite:** Advancement to this level requires at least an 85% in Spanish IV.

**AP SPANISH VI - 0211**  
***Independent Study***

***Grades 11, 12***  
***ELECTIVE – SPRING ONLY (1 Credit)***

**Description:** The purpose of this advanced course is to continue the student's progress in Level V with the goal of achieving an ever-higher level of fluency in the target language. This class is also a college level course in which all four skills of the language will be extensively practiced -- speaking, reading, listening and writing. Interaction with the students is almost entirely in the target language. Because it is an independent study the student will interact with the teacher less than in a typical class situation, although there will be varying degrees of contact *every day* for discussion of ongoing assignments, feedback, clarification, conversation in the target language, etc. The student will continue to be exposed to different genres in past and contemporary Spanish and Latin American literature. Through a number of media and *realia* (materials produced for *native* speakers of Spanish such as magazines, TV programs, and one complete film) the student will grow more familiar with many aspects of the target language and Hispanic culture. Much of the course will involve the student's watching different types of television programs (music performances or videos, interviews, game shows, melodramas, news, etc.) and discussing the content in taped or written commentary or by answering questionnaires. In this way the student will be exposed to the variety of accents of Spanish-speakers and the idiosyncrasies in the vocabulary from country to country. Part of the course will be continuing explanation, review, and practice of vocabulary, expressions, and grammar through practice AP and SAT 2 tests and on-line interactive language sites. As a result of this additional preparation, students may opt to take the AP Spanish Exam during or following this course. Students will also be communicating about their lives via a filmed autobiography in the target language – this will constitute the final project in lieu of a final exam.

**NOTE:** Study for Level VI and beyond can be arranged as needed, but only during AP Spanish V class.

## **COURSE DESCRIPTIONS - SOCIAL STUDIES**

### **HONORS UNITED STATES HISTORY 9 - 0300**

**Grade 9  
REQUIRED (1 credit)**

**Purpose:** Designed for the accelerated 9<sup>th</sup> grade students with strong interest and high level development in social studies and communications. This course will help students become functioning citizens by providing a foundation of knowledge about U.S. History.

**Course Description:** Honors U.S. History content is integrated with Honors Communications 9, allowing students to gain a full picture of the American experience. By taking both courses students gain an understanding of key events, people, and ideas that have shaped the U.S. through the 20<sup>th</sup> and 21<sup>st</sup> centuries. Students will develop skills in historical analysis and interpretation through the exploration of U.S. political, economic, social, and cultural developments.

**Requirements:** Students are responsible for class work, homework, projects, quizzes, tests, ongoing assessments, group and individual assignments, outside reading, historical research, and technology related activities. Summer reading and ongoing assessments are integrated with the Honors Communication course.

**Prerequisites:** Successful completion of 8<sup>th</sup> grade social studies classes with a 93% or better and previous teacher recommendation. Students enrolled in Honors U.S. History must also enroll in Honors Communications 9. Please refer to Honors Communications 9 Prerequisites.

### **UNITED STATES HISTORY 9 - 0301**

**Grade 9  
REQUIRED (1 credit)**

**Purpose:** This course is designed for all freshmen to help them become functioning citizens by providing a foundation of knowledge about U.S. History.

**Course Description:** U.S. History will help students gain an understanding of key events, people, and ideas that have shaped the U.S. through the 20<sup>th</sup> and 21<sup>st</sup> Centuries. Students will develop skills in historical analysis and interpretation through the exploration of U.S. political, economic, social, and cultural developments.

**Requirements:** Students are responsible for class work, homework, projects, quizzes, tests, ongoing assessments, group and individual assignments, outside reading, historical research, and technology related activities.

**Prerequisites:** Successful completion of previous social studies course.

### **PENNSYLVANIA HISTORY - 4000**

**Grade 9  
REQUIRED (.5 credit)**

**Purpose:** The Pennsylvania History course is designed to help students understand the history and political system of Pennsylvania.

**PA History Description:** Students will trace the people and events that influenced the growth and development of Pennsylvania. Students will examine the political, economic, social, and cultural events that have shaped our great state. A brief and intense geography skills unit will also be incorporated in the course.

**Requirements:** Students are responsible for class work, homework, projects, quizzes, tests, ongoing

**ENTIRE SOCIAL STUDIES CURRICULUM WAS REVISED THIS YEAR**

assessments, group and individual assignments, outside reading, historical research, and technology related **PENNSYLVANIA HISTORY, continued**

activities.

**Prerequisites:** Successful completion of previous social studies course.

**HONORS WORLD HISTORY 10 – 0304**

**Grade 10  
REQUIRED (1 credit)**

**Purpose:** This course is designed to give the student a global perspective by examining seven cultural regions of the world. The students will explore and analyze the geography, history, religion/philosophies, and cultural factors such as language, art, music, as well as contemporary issues for each region.

**Course Description:** The course will study the geography, history, religions and philosophies, governments, arts, economics, and social systems of the major cultural regions. The students will be able to identify and locate the political divisions and describe the physical characteristics including climate and landforms for each of the cultural regions. The students will acquire a modern historical understanding of each cultural region including political, economic, and religious events that shaped the region with an emphasis on understanding their impact on present global situations. The students will be able to describe, compare, and analyze the elements of culture, and recognize that these elements are interrelated across the regions of the world.

**Requirements:** Students are responsible for class work, homework, projects, quizzes, tests, ongoing assessments, group and individual assignments, outside reading, historical research, and technology related activities.

**Prerequisite:** Successful completion of the 9<sup>th</sup> grade Honors U.S. History course with at least an 85% or completion of U.S. History with a 93% or better AND a teacher recommendation.

**COLLEGE PREP WORLD HISTORY – 0305**

**Grade 10  
REQUIRED (1 credit)**

**Purpose:** This course is designed to give the student a global perspective by examining seven cultural regions of the world. The students will explore and analyze the geography, history, religion/philosophies, and cultural factors such as language, art, music, as well as contemporary issues for each region.

**Course Description:** The course will study the geography, history, religions and philosophies, governments, arts, economics, and social systems for the major cultural regions. The students will be able to identify and locate the political divisions and describe the physical characteristics including climate and landforms for each of the cultural regions. The students will acquire a modern historical understanding of each cultural region including political, economic, and religious events that shaped the region with an emphasis on understanding their impact on present global situations. The students will be given a foundation to understand the world in which they live.

**Requirements:** Students are responsible for class work, homework, projects, quizzes, tests, ongoing assessments, group and individual assignments, outside reading, historical research, and technology related activities.

**Prerequisites:** Successful completion of previous social studies course.

## HONORS AMERICAN GOVERNMENT/ECONOMICS 11 - 0308

*Grade 11  
REQUIRED (1 credit)*

**Purpose:** This course will provide students with an in-depth look at the foundations of American Government and the principles of Economics. Students will study the structure of our government and evaluate political behavior. Students will also develop a better understanding of how free enterprise works.

### HONORS AMERICAN GOVERNMENT/ECONOMICS 11, continued

**Course Description:** Students first will engage in a historical analysis of the Constitution, political parties, voter behavior, the electoral process, interest groups and the media's influence on public opinion. Students will also develop a better understanding and appreciation of their role as citizens of the United States. The second half of the course compares the three major economic systems with an emphasis on micro and macroeconomics in the free enterprise system. Students will focus on the government's role in establishing economic stability.

**Requirements:** Students are responsible for completing a research paper, essay and objective tests, group and individual presentations, class discussions and debates, and various portfolios assignments. Students will be required to do a significant amount of primary source reading. They will also be required to participate in a group investment project.

**Prerequisite:** Successful completion of the 10<sup>th</sup> grade Honors World History or College Preparatory World History course with at least an 85% AND a teacher recommendation.

## AMERICAN GOVERNMENT / ECONOMICS 11 – 0309

*Grade 11  
REQUIRED (1 credit)*

**Purpose:** This course is designed to give students an understanding of the foundations of American Government and the basic principles of Economics.

**Course Description:** One half of the semester will focus on the origins and principles of American Government. Students will examine our Constitution, branches of government, political parties, the electoral process, the amendment process, and state and local government.

The other half of the semester will concentrate on major economic systems, emphasizing the American Free Enterprise System. Basic concepts included in the course will focus on micro and macroeconomic principles.

**Requirements:** Students are responsible for completing a term paper, oral and written reports, and participating in a stock market game. Students are also evaluated based on daily and unit assessments comprised of multiple-choice, matching, charts, maps, and graph questions, and critical thinking exercises.

**Prerequisites:** Successful completion of previous social studies course.

## AP EUROPEAN HISTORY – 0314 [Offered 2011-2012]

*Grades 11, 12  
ELECTIVE (1 credit)*

**Purpose:** This course is designed to allow the student to experience a college level Euro centric social studies course. The course is structured to prepare the students to take and pass the AP European History examination.

**Course Description:** Advanced Placement European History is a survey course covering the period from 1450 to the present. This is a challenging course that focuses on the social, political, economic, intellectual,

and cultural aspects of European history.

**Requirements:** Students are responsible for class work, homework, projects, quizzes, tests, ongoing assessments, group and individual assignments, outside reading, historical research, analyzing primary source documents, and technology related activities. **This is a college level course for strong history students who are capable of coping with a large amount of daily reading.**

**Prerequisites:** Students enrolling in this course must have maintained an 85% average or better in the Honors or College Preparatory social studies courses. Students are encouraged to take AP Communications 12, which provides support in the areas of art, literature, and music to the historical events of European history. In addition, a former teacher recommendation is required.

### **PSYCHOLOGY / SOCIOLOGY – 0315**

**Grade 12  
ELECTIVE (1 credit)**

**Purpose:** This course is designed to introduce students to the science of psychology. The second half of this course is designed to help students gain insights into their own social relationships and develop a better understanding of their ever-changing world.

**Course Description:** The course highlights the major theories of the science of psychology including personality development, learning theories, intelligence, social influences, and abnormal behavior and treatment. It also teaches students about the methods of the science. Sociology is concerned with the behavior of the individual as it is affected by the group(s) to which he/she belongs. It also studies the behavior and functions of groups within a society.

**Requirements:** Students are required to complete reading assignments in text and other sources, to write brief essays on assigned topics, to complete successfully objective tests, and to participate in class discussions and group work. This college-bound course will require a working portfolio, essay and objective tests, and the completion of individual and class oriented psychological and sociological studies.

### **HONORS PSYCHOLOGY – 0316**

**Grades 11, 12  
ELECTIVE (1 credit)**

**Purpose:** This course is designed to give students interested in psychology a more in-depth investigation than the CP Psychology/Sociology class.

**Course Description:** The course highlights the major theories of the science of psychology including personality development, learning theories, intelligence, social influences, and abnormal behavior and treatment. It also teaches students about the methods of the science. In addition to the topics covered in CP Psychology, honors psychology also covers nature, nurture and human diversity, states of consciousness, memory, thinking and language, human development and social psychology. A college level text is used.

**Requirements:** Class participation, primary and secondary readings, oral presentations, and short papers. Ten hours of community service are required.

**Prerequisites:** The student should have maintained an 85% average or better in the Honors or College Preparatory social studies courses.

### **CURRENT EVENTS / LAW FOR THE YOUNG ADULT – 0317**

**Grade 12  
ELECTIVE (1 credit)**

**Purpose:** This course will help students develop analytical and evaluation skills through a study of local, state, national, and international events, as well as a study of the U.S. legal justice system.

**Course Description:** Textbooks, periodicals, and online resources.

**ENTIRE SOCIAL STUDIES CURRICULUM WAS REVISED THIS YEAR**

papers, issues.

**Requirements:** Students are responsible for class work, homework, projects, quizzes, tests, ongoing assessments, group and individual assignments, outside reading, historical research, and technology related activities

### **CURRENT EVENTS/LAW FOR THE YOUNG ADULT, continued**

**Prerequisites:** Successful completion of previous social studies course.

### **AP AMERICAN HISTORY – 0319** **[Offered 2010-2011]**

**Grades 11, 12**  
**ELECTIVE (1 credit)**

**Purpose:** AP American History will help students develop knowledge and skills appropriate for college level American History courses, as well as prepare students for the AP Exam.

**Description:** AP American History is a survey course covering the period from Colonial America to the present. This is a challenging course that will explore social, political, economic, intellectual, and cultural aspects of U.S. History.

**Requirements:** Students are responsible for class work, homework, projects, quizzes, tests, ongoing assessments, group and individual assignments, outside reading, historical research, and technology related activities. **Extensive daily reading and course work completed outside the classroom setting is required for success in this course.**

**Prerequisites:** Students enrolling in this course must have maintained an 85% average or better in the Honors or College Preparatory social studies courses. In addition, a former teacher recommendation is required.

## COURSE DESCRIPTIONS - MATHEMATICS

### APPLIED ALGEBRA IA - 0526

**Grade 9  
(1 credit)**

**Purpose:** This course is intended for 9th graders who would learn better from a hands-on approach.

**Description:** This course is an interactive, workplace-centered approach to basic algebra concepts. It is ideal for students who are conceptual learners. Applied Algebra teaches abstract concepts through concrete applications using the workplace as the platform for learning. Hands-on math labs give students the opportunity to experience concepts while making math practical and relevant. Students will be engaged in cooperation teams, working on projects and activities that help to make math more memorable and algebra more accessible to all students with different abilities or learning styles.

**Requirements:** The students will be responsible for hands-on labs, problem solving activities, projects, tests, daily class work and homework. Calculators are required. TI30X is recommended.

**Prerequisites:** Recommendation of previous mathematics teacher or scoring not proficient on 8<sup>th</sup> grade PSSA.

### APPLIED ALGEBRA 1B – 0527

**Grade 10  
(1 credit)**

**Purpose:** This course is intended as a second sequential course in algebra, following Applied Algebra IA for the applied mathematics student.

**Course Description:** The algebraic concepts covered include: properties of real numbers, solving and graphing linear equations and inequalities, solving systems of equations and inequalities, exponents, quadratic equations, factoring polynomials, rational expressions, radicals.

**Requirements:** Students will be responsible for daily homework assignments and class activities, quizzes, tests, final exam. Each student MUST provide a calculator for use each day in class. TI30X is recommended.

**Prerequisites:** Successful completion of Applied Algebra I or approval from the math department for any student who has *less than* 77% in Algebra I.

### APPLIED GEOMETRY – 0522

**Grade 11  
(1 credit)**

**Purpose:** This course is intended for juniors in the sequence of Applied Mathematics courses.

**Course Description:** Through class activities students have the opportunity to experience math concepts using applications to the real world. The course includes the geometry concepts of reasoning and proof, parallel lines, congruent and similar triangles, quadrilaterals, coordinate geometry, area, circles, surface area, volume and transformational geometry.

**Requirements:** The students will be responsible for problem solving activities, projects, tests, daily class work and homework.

**Prerequisite:** Successful completion of Applied Algebra IB or teacher recommendation.

**APPLIED MATH TOPICS - 0508**

**Grade 12  
(1 credit)**

**Purpose:** This course is designed to help students use and apply mathematics in real life situations and to meet proficiency on state assessment.

**Course Description:** The course is devoted to discussing consumer affairs and solving related problems. The course covers the following topics: making consumer decisions, the cost of transportation, computing taxes, determining consumer credit, banking services, insurance costs and investments. Also remediation of the math PSSA standards.

**Requirements:** Students will be responsible for daily homework assignments and class activities, quizzes, tests, and final exam.

**Prerequisites:** Successful completion of Applied Geometry and Applied Algebra 1B or not proficient on the 11<sup>th</sup> grade math PSSA.

**ALGEBRA I - 0509**

**Grades 9, 10, 11, 12  
(1 credit)**

**Purpose:** Algebra I is designed as the first formally structured course of the academic sequence for the college-bound student.

**Course Description:** Topics that are developed within the course include solving equations, inequalities, and word problems, polynomial operations, factoring, relations, functions, graphing, and systems of equations, algebraic fractions, powers, roots and quadratic equations.

**Requirements:** Students will be responsible for daily homework assignments and class activities, quizzes, tests, final exam. Students should provide their own calculator. A TI 30x or above is recommended.

**Prerequisites:** At least an 85% in 8th grade math and recommendation of teacher or completion of Applied Algebra IA with at least 93% or teacher recommendation.

**ALGEBRA II – 0510**

**Grades 9, 10, 11, 12  
(1 credit)**

**Purpose:** This course is designed as an extension of the concepts learned in Algebra I to provide a sound foundation of algebra for college bound students.

**Course Description:** Topics studied include negative exponents, inequalities, complex numbers, radicals, variation, quadratic functions, graphs of quadratic functions, logarithms and other advanced topics.

**Requirements:** Students will be responsible for daily homework assignments and class activities, quizzes, tests, projects, and final exam. [Students must provide their own calculators. TI30X is recommended]

**Prerequisites:** At least 77% in Algebra I or at least 93% in Applied Algebra 1B and teacher approval.

(Freshmen scheduling Algebra II must have received at least a 90% in Algebra I in 8th grade).

### **GEOMETRY - 0512**

**Grades 9, 10, 11, 12**  
**(1 credit)**

**Purpose:** Geometry is designed to help the student develop deductive and inductive reasoning as applied to the study of plane and solid geometry.

**Course Description:** The student is introduced to basic geometry concepts of segments, angles, triangles, and quadrilaterals and regular polygons. Deductive reasoning in the traditional sense will be used in 2 column and paragraph proofs. Great detail is given to circles, Pythagorean Theorem, special triangles, surface area and volume of solids. Concepts of similarity and measurement of plane figures are also covered.

**Requirements:** Students will be responsible for daily homework assignments and class activities, quizzes, tests, and final exam.

**Prerequisites:** Successful completion of Algebra I with at least a 77%.

### **TRIGONOMETRY/PRECALCULUS - 0513**

**Grades 11, 12**  
**(1 credit)**

**Purpose:** This course is designed to extend the student's fundamental mathematical skills so that he/she may enjoy topics in other advanced mathematical and scientific disciplines.

**Course Description:** The course is a study of a comprehensive analysis of the circular and trigonometry functions, distance and area, circles and angles, graphs of circular functions, solutions of triangles, identities, inverses, vectors, complex numbers, exponential and logarithmic functions, sequences and series, probability, polynomial functions and limits.

**Requirements:** Students will be responsible for daily homework assignments and class activities, quizzes, tests, and final exam. Calculators will be required. (If students are planning to take calculus, they may want to purchase a TI83plus calculator to use with this course.)

**Prerequisites:** Successful completion of Algebra I, Algebra II, and Geometry (must have at least a 77% in Algebra II).

### **CALCULUS - 0520**

**Grade 12**  
**(1 credit)**

**Purpose:** Calculus is the mathematics of motion and change. Calculus and its extensions in mathematical analysis are far reaching; as can be seen by the plethora of problems it solves and the wide range of fields that use it in mathematical models that bring understanding about the universe and the world around us. Our goals include: learning calculus and seeing how it is being used in our world, appreciating it for the great discovery that it is, and preparing the students for further study of math in college. This is not the course to take if you plan to do the AP Test.

**Course Description:** Algebra, geometry, and trigonometry topics all meet in calculus. We will attempt to bring calculus to life in this course through real-life examples, projects, kinesthetic activities, history, and discussions. Note-taking, homework, tests, and quizzes are also a major component in order for the student to grasp the topics. We will learn to use the TI-83 calculator to analyze some topics.

**Requirements:** The student will be responsible for daily homework assignments and class activities, projects, quizzes, tests, etc. In addition, a GRAPHIC CALCULATOR IS NEEDED. Recommended

models include TI-82, TI-83, TI-83PLUS (the best choice at present), TI-89.

**Prerequisites:** Successful completion of trigonometry/precalculus.

**ADVANCED PLACEMENT CALCULUS I – 0511**

**Grade 12  
(1 credit)**

**Purpose:** This course will provide the student with beginning knowledge of advanced math principles in preparation for post secondary study in the fields of engineering, physical sciences, architecture, business, and related technical fields. This course is an in-depth study of calculus for students intending to take the AP Calculus exam in May of the second semester.

**Course Description:** The course will begin with a renewed foundation in pre-calculus. Elementary functions, domain/range, the combination of functions through addition, subtraction, multiplication, division, and composition will initially be addressed. Polynomial, rational, root, piecewise, and trig-functions will be the first types of functions studied. Analysis of graphs, limits, asymptotic and unbounded behavior, continuity, derivation theory and application will be examined from both analytical and graphical points of view. If time permits, the anti-derivative will be introduced.

**Requirements:** The student will be responsible for daily homework assignments and class activities, projects, quizzes, tests, etc. In addition, a **GRAPHIC CALCULATOR IS NEEDED.** Recommended models include TI-82, TI-83PLUS, TI84, and TI-89.

**Prerequisites:** Successful completion of trigonometry/precalculus with a grade of at least 85%.

**ADVANCED PLACEMENT CALCULUS II - 0514**

**Grade 12  
(1 credit)**

**Purpose:** This course will provide the student the opportunity to prepare for the AP Calculus AB exam given in MAY.

**Course Description:** This course is a continuation of the AP Calculus I course. Interpretations and properties of the integral will be studied. The differential and linear approximations, Riemann sums, trapezoidal sums, the Fundamental Theorems of Calculus, techniques of antidifferentiation such as substitution of variables, applications that involve area, volume, motion, economic situations, exponential growth and average value of a function, and slope fields will be covered. Time will be set aside for practicing AP Calculus tests from the past. Afterwards, some Calculus BC items such as integration by parts and partial fractions, L'Hopital's Rule would be addressed.

**Requirements:** The student will be responsible for daily homework assignments and class activities, projects, quizzes, tests, etc. In addition, a **GRAPHIC CALCULATOR IS NEEDED.** Recommended models include TI-82, TI-83, TI-83PLUS, TI84, TI-89.

**Prerequisites:** Successful completion of AP Calculus I with a grade of at least 85%.

**COLLEGE ALGEBRA - 0519**

**Grade 12  
(1 credit)**

**Purpose:** This course is designed for college bound students.

**Course Description:** This course covers a wide range of topics in algebra, probability, statistics, functions, sequences and series, set theory and math reasoning. The topics covered are needed for college mathematics and enhance the student's present knowledge of algebra and geometry.

**Prerequisites:** Successful completion of Algebra I and II and Geometry. Students must provide their own calculator.

**Requirements:** The student will be responsible for daily homework assignments, class activities, quizzes, tests, projects, and final exam.

**STATISTICS - 0523**

**Grades 11, 12**  
**(1 credit)**

**Purpose:** Statistics influences nearly all facets of our society. Decisions in government, education, business, sports, politics, and many other fields are often based on statistical considerations. Our future as a society may depend in large measure on our ability to evaluate information, determine truth, and make meaningful decisions. This course will provide the opportunity for students to practice using the methods of statistics and to see how it relates to their lives.

**Course Description:** Statistics is the branch of mathematics that deals with the collection, analysis, and implications of numbers that reflect measurable events. Descriptive statistics handles the collection and presentation of data. Inferential statistics is concerned with properly analyzing and drawing conclusions from numerical information.

**Requirements:** Students will be required to demonstrate working knowledge of how, and with what methods, to analyze data. They will be required to use their results to make correct decisions and predictions about population characteristics. In addition, students will be required to show a proficiency using MINITAB statistical software. Written tests, computer performance tests, cooperative assignments, homework, projects, and presentations will be used to evaluate students on the above listed knowledge.

**GRAPHIC CALCULATOR IS NEEDED.** Recommended models include TI-83 and TI-83PLUS.

**Prerequisites:** Successful completion of Algebra II and Geometry

**AP STATISTICS - 0524**

**Grades 11, 12**  
**(1 credit)**

**Purpose:** Statistics influences nearly all facets of our society. Decisions in government, education, business, sports, politics, and many other fields are often based on statistical considerations. Our future as a society may depend in large measure on our ability to evaluate information, determine truth, and make meaningful decisions. This course will provide the opportunity for students to practice using the methods of statistics and to see how it relates to their lives. Students planning to take science and/or mathematics courses in college will benefit greatly from taking AP Statistics.

**Course Description:** Students are exposed to four broad conceptual themes:

1. Exploring Data: Observing patterns and departures from patterns.
2. Planning a Study: Deciding what and how to measure.
3. Anticipating Patterns: Producing models using probability theory and simulation.
4. Statistical Inference: Confirming models.

**Requirements:** Prepare for and take the AP Statistics exam in May. Students will be required to demonstrate working knowledge of how, and with what methods, to analyze data. They will be required to use their results to make correct decisions and predictions about population characteristics. In addition, students will be required to show a proficiency using Microsoft Excel and MINITAB statistical software. Written test, computer performance tests, cooperative assignments, homework, projects and presentations will be used to evaluate students on the above listed knowledge. **GRAPHIC CALCULATOR IS NEEDED.** Recommended models include the TI-83 and the TI-83PLUS.

**Prerequisites:** Successful completion of Trigonometry/Precalculus with at least a grade of 85%.

**PSSA PREP*****Fall 2010 Semester only******Grade 11  
Required (1/2 credit)***

**Purpose:** The purpose of this course is to provide students with additional practice and strategies for taking the PSSA Math exam. It is intended for non-college bound juniors who will not be taking the SAT exam and therefore do not need to take the SAT prep course (this is a 9-week course in place of SAT prep, taken opposite of Computer Apps II).

**Prerequisites:** Students will be selected for this course based on 8<sup>th</sup> grade PSSA scores, PVAAS data and math courses taken in high school. Also affecting that selection is the student's choice to not take the SAT exam and apply to a four year college. Placement in this course will be done by guidance counselors and math teachers.

**PSSA FUNDAMENTALS - 0531*****Grade 10  
Elective (1 credit)***

**Purpose:** This course is designed to provide practice and preparation for sophomores for the PSSA exam that they will take in 11<sup>th</sup> grade. Based on data from PVAAS and PSSA scores, it has been determined that these students are not proficient in the math standards tested on the PSSA exam. Instruction and practice will be based on the math standard addressed on the PSSA exam. Emphasis will also be placed on open-ended questions.

**Prerequisites:** Students will be selected by the administration and math teachers based on PSSA scores and PVAAS data.

## COURSE DESCRIPTIONS - SCIENCE

### CP ENVIRONMENTAL SCIENCE 9 – 0416

**Grade 9**  
**REQUIRED (1**

**credit)**

**Purpose:** This course is designed for all freshmen as an introduction to environmental science.

**Course Description:** CP Environmental Science 9 is designed to provide students with basic knowledge of ecological principals, human's impact on the Earth, and changes necessary for a sustainable future. Popular publications and technology will be used to gain a better understanding of current environmental issues.

**Requirements:** Students are responsible for class work, homework, lab assignments, quizzes, tests, and special projects.

**Prerequisites:** None

### HONORS ENVIRONMENTAL SCIENCE 9 - 0417

**Grade**

**9**

**REQUIRED (1**

**credit)**

**Purpose:** This course is designed for the accelerated student with a strong interest in the sciences.

**Course Description:** Honors Environmental Science 9 is designed to provide an accelerated introduction to the study of ecological principles, human's impact on the Earth and changes necessary for a sustainable future. Problem Based Learning will be used to investigate sustainable watersheds, agriculture, energy, forestry and fisheries.

**Requirements:** Students are responsible for class work, daily homework, lab assignments, quizzes, tests, and special projects. All students are required to take the final exam.

**Prerequisites:** At least a 93% in Science 8 and the teacher's recommendation.

### HONORS BIOLOGY 10 - 0400

**Grade 10**  
**REQUIRED (1 credit)**

**Purpose:** This course is designed to give highly motivated students a challenging introduction to the study of Biology.

**Course Description:** Honors Biology 10 provides conceptual development and insight into biological processes through verification and inquiry. Topics will be covered in depth and independent work will be required of the students.

**Requirements:** Tests, quizzes, lab reports, homework, and special projects. All students are required to take the final exam.

**Prerequisites:** Completion of Honors Environmental Science with at least an 85% or CP Environmental Science with at least a 93% and a teacher's recommendation are required.

**CP BIOLOGY 10 - 0402****REQUIRED (1 credit)****Grade 10**

**Purpose:** This course is designed to give students a practical view of the living world in which he/she is an integral entity.

**CP BIOLOGY 10, continued**

**Course Description:** This course examines basic biological principles and concepts. Science will be treated as an inquiry based process; therefore, lab will be an integral part of the course work. This course uses critical thinking to enhance student's awareness of biological concepts and how they apply to real life.

**Requirements:** Tests, quizzes, homework, lab assignments, and special projects.

**Prerequisites:** Successful completion of CP Environmental Science.

**HONORS CHEMISTRY 11 - 0404****Grade 11  
REQUIRED (1 credit)**

**Purpose:** This course is designed to provide highly motivated students a challenging introduction to chemistry and to prepare students for college-level courses in science.

**Course Description:** This course approaches chemistry from the point of view of a working scientist. Classroom work will develop in depth the basic concepts of chemistry such as atomic structure, symbols and formulas, mathematical relationships and chemical reactions. Laboratory exercises will focus on discovery and verification. Students will also be required to design, investigate experimentally and report on an area of personal interest in science.

**Requirements:** Students will demonstrate their knowledge of chemistry through daily homework, class work, lab reports, quizzes and tests. Students are required to design, conduct, and report an independent research project. All students are required to take the final exam.

**Prerequisites:** The student must have completed Honors Biology with at least an 85% average or Biology with a 93% *and* Algebra II with at least an 85%. The student also needs the recommendation of his/her present science teacher.

**CP CHEMISTRY 11 - 0406****Grade 11  
REQUIRED (1 credit)**

**Purpose:** This course is designed to give students an introduction to chemistry. This course meets college entrance requirements as a lab science.

**Course Description:** This course provides students with an introduction to chemistry with an emphasis on real life. Classroom work will focus on the basic concepts in chemistry such as atomic structure, symbols and formulas, mathematical relationships, chemical reactions, and organic chemistry. The student will perform laboratory work designed to give the student experience in developing critical thinking skills.

**Requirements:** Each student will complete work assigned and demonstrate a knowledge of chemistry through tests and homework assignments. Lab reports will be required.

**Prerequisites:** Completion of CP Biology and Algebra I with at least an 80% final grade in both courses.

**CHEMISTRY IN THE COMMUNITY - 0407****Grade 11  
REQUIRED (1 credit)**

**Purpose:** This course is designed for the student who does not intend to study science after high school. It is not intended to limit the further study of chemistry, but to improve skills necessary for success in an academic, math-oriented science classes.

**CHEMISTRY IN THE COMMUNITY, continued**

**Course Description:** This course is designed to provide students with basic chemistry knowledge necessary in their personal and professional lives, as well as knowledge necessary for making informed decisions about issues involving science and technology.

**Requirements:** Each student will be required to complete lab activities, lab reports and written homework. Quizzes, tests, and homework will be used to monitor progress.

**Prerequisites:** Completion of CP Biology with a passing grade.

**PRINCIPLES OF TECHNOLOGY (APPLIED PHYSICS) - 0411****Not offered 2010-11****Grades 11, 12  
REQUIRED (1 credit)**

**Purpose:** This course is designed for the student who does not intend to study science after high school. It is a hands-on approach to physics. The concepts being taught apply to real-world situations.

**Course Description:** This course provides hands on integration of physical laws with critical thinking skills needed for student's daily lives. Students will be required to use math skills and laboratory techniques to investigate selected physical topics to increase their knowledge and understanding of real-life situations.

**Requirements:** Each student will be required to complete lab activities, lab reports and written homework. Students will also be evaluated by quizzes, tests, and computer activities.

**Prerequisites:** Completion of Chemistry in the Community or CP Chemistry with a passing grade. This course is not intended for students who are going to college.

**HONORS PHYSICS - 0408****Not offered 2010-2011****Grades 11  
REQUIRED (1 credit)**

**Purpose:** This class provides students with a background in the physical laws governing our universe and prepares students for college level courses in science and technology.

**Course Description:** This course provides a background in the physical laws governing the universe for students who are interested in pursuing scientific and technological fields of study. Students will be required to use critical thinking skills as they focus on independent projects to further develop their understanding of physical concepts.

**Requirements:** Regular homework and laboratory activities will be an integral part of the course. Additional projects and reports may be assigned. All students are required to take the final exam.

**Prerequisites:** Completion of Honors Chemistry and Trigonometry with at least an 85% or completion of CP Chemistry with at least a 93%.

**CP PHYSICS 12 - 0410****Grade 12  
REQUIRED (1 credit)**

**Purpose:** The purpose of this course is to provide students with knowledge of the physical laws of the universe. This course is intended for students who will not be majoring in science or technology in college.

**Course Description:** This course uses the physical laws governing the universe to provide the student with necessary knowledge to pursue his/her post secondary interest. The student will perform laboratory **CP PHYSICS 12, continued**

work designed to give the student experience in developing critical thinking skills.

**Requirements:** Regular homework and laboratory activities will be an integral part of the course.

**Prerequisites:** Completion of CP Chemistry 11 with at least an 80% and Algebra II or Trigonometry with at least an 80%.

### **EARTH SPACE SCIENCE - 0415**

**GRADE 12  
REQUIRED (1 credit)**

**Purpose:** This course is designed to allow students to study topics not covered in biology, chemistry, or physics in order to meet the state requirements. It is also designed to develop and reinforce science process skills in a variety of contexts.

**Description:** The course will examine plate tectonics, rock formations, types of rocks, geological processes, geological history, cloud formations, weather patterns, development of the solar system, constellation maps, and space topics. Class activities include basic scientific research, individual and small group projects, and outdoor and classroom lab activities.

**Requirements:** Regular homework and classroom exercises will be an integral part of this course. Students are also required to keep a weather and astronomy journal, as well as report on current events related to Earth Space Science. Chapter quizzes, unit tests, and a final exam are given.

**Prerequisites:** Successful completion of CP Biology.

### **HONORS ANATOMY AND PHYSIOLOGY - 0412**

**Grades 11, 12  
ELECTIVE (1 credit)**

*Offered alternating years*

**A SECTION MAY BE TAUGHT VIA TELECONFERENCE – SITE OF ORIGIN TO BE ANNOUNCED.**

**Purpose:** This honors level course is designed particularly for the student who plans to pursue a health related course of study after high school.

**Course Description:** This course is a study of the organization and function of human body systems. Emphasis is placed on the homeostatic functioning of organ systems, organs, and tissues of living beings. Considerable time will be spent in laboratory work concentrating on dissection.

**Requirements:** Tests and oral reports will be required. Each student is required to dissect a cat or similar sized mammal. Lab practicals will be given on vertebrate anatomy. All students are required to take the final exam.

**Prerequisites:** Completion of Honors Biology with at least an 85% or CP Biology with at least a 93%.

### **ADVANCED PLACEMENT BIOLOGY – 0401**

**Grades 11, 12  
ELECTIVE (1 credit)**

*Offered alternating years; not Offered 2010-11*

**Purpose:** This course is designed to be the equivalent of a 2 semester college introductory biology course usually taken by biology majors during their first year, with the possibility of obtaining **8** college credits upon successful completion of the AP exam.

**Course Description:** Advanced Placement Biology includes topics in ecology, molecular biology, genetics and evolution, as well as a survey of biological systems and kingdoms of life. The AP course differs significantly from the usual first high school course in biology with respect to the kind of textbook used, the range and depth of topics covered, the kind of laboratory work done by students and the time and effort required of students.

**ADVANCED PLACEMENT BIOLOGY, continued**

**Requirements:** Laboratory activities will be an integral part of the course. The students will be expected to spend a large amount of time outside of class completing reading assignments. Grades will be based almost entirely on exam and lab grades. All students are required to take the final exam.

**Prerequisites:** Completion of Honors Biology with at least a 90%, continuation in the honors science curriculum and teacher's recommendation.

**ADVANCED PLACEMENT CHEMISTRY - 0405**

*Offered alternating years*

*Offered Spring 2011*

**Grades 11, 12**  
**ELECTIVE (1 credit)**

**Purpose:** The Advanced Placement Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year, with the possibility of obtaining college credit upon successful completion of the AP exam.

**Course Description:** Advanced Placement Chemistry should meet the objectives of a college level general chemistry course. Students will gain an understanding of the fundamentals of chemistry and competence in dealing with chemical problems.

**Requirements:** Seventy percent of the course will be devoted to class work and thirty percent will be devoted to laboratory experiences. Students must understand math and be willing to spend at least one hour studying for each hour of class time. Chapter tests and lab reports will be the primary determination of the course grade. All students are required to take the final exam.

**Prerequisites:** Successful completion of Honors Chemistry with at least an 85% average and two years of algebra with at least a 90% average, and have the recommendation of his/her chemistry teacher.

**ADVANCED PLACEMENT PHYSICS "B" - 0409**

**Grade 12**  
**ELECTIVE (1 credit)**

**Purpose:** The AP Physics course is designed to give students the opportunity to study physics at the college level with the possibility of obtaining college credit upon successful completion of the AP exam.

**Course Description:** AP Physics "B" includes topics in both classical and modern physics. Topics include mechanics, heat and thermodynamics, electricity and magnetism, waves and optics, and modern physics.

**Requirements:** Regular homework and lab activities will be an integral part of the course. Chapter tests and unit tests will be used as evaluation tools in addition to homework and labs. All students are required to take the final exam.

**Prerequisites:** Completion of Honors Physics and Trigonometry with at least a 93% and approval of the Physics teacher.

## COURSE DESCRIPTIONS –WELLNESS/DRIVER’S ED

### WELLNESS 9 - 0600

*Grade 9*  
**REQUIRED (1**

*credit)*

**Course Description:** This course covers wellness, decision-making, adolescence, adulthood and family life, STD's, contraception, and "Baby Think It Over". Topics also covered will be reproductive health, building relationships, pregnancy, and abstinence. The Physical Education component of this course will consist of activities including team sports, individual sports, and personal fitness. .

**Requirements:** Individuals are to actively participate in class activities and be properly prepared for class on a daily basis.

**Prerequisites:** None

### WELLNESS 10 - 0651

*Grade 10*  
**REQUIRED (.5 credit)**

**Course Description:** This course covers drug, alcohol, and tobacco education. It will also include information and lessons on physical fitness, nutrition, and weight behaviors. The Physical Education component of this course will consist of activities including team sports, individual sports, and personal fitness.

**Requirements:** Students will actively participate in class activities and be properly prepared for class on a daily basis.

### WEIGHT CONDITIONING – 4011

*Grades 10 - 12*  
**ELECTIVE (1 credit)**

**Course Description:** This course is designed for students who are interested in weight training. The teacher will determine each student's level of experience and proceed based on that determination with an individualized plan.

Students will:

- learn and use basic weight-training terminology.
- learn the names and proper uses of the equipment.
- learn and use proper safety techniques.
- organize and log basic workouts.
- assess his/her fitness level.
- learn which muscle groups correspond with which exercise.
- establish semester goals.

### WELLNESS 11 – 4012

*Grade 11*  
**REQUIRED (.5 credit)**

**Course Description:** This course includes American Red Cross Certification in adult CPR and overall wellness of the high school student now and as an adult. The Physical Education component of this course will consist of activities including team sports, individual sports, and personal fitness.

### FITNESS ELECTIVE – 4013

*Grades 11 and 12*  
**ELECTIVE (1 credit)**

**Course Description:** This course includes American Red Cross Certification in Adult CPR and overall wellness of the high school student now and as an adult. The Physical Education component of this course will consist of activities including a combination of team sports, individual sports, and personal

fitness.

**COMPETITIVE TEAM SPORTS – 4015**

**Grades 10-12  
ELECTIVE (1 credit)**

**Course Description:** This course is designed for students who enjoy team sports in a competitive sport setting. Students will assess their personal physical fitness levels, set semester goals, and work toward those goals while participating in team sport activities including: softball, basketball, lacrosse, volleyball, floor hockey, flag football, and personal fitness assessment.

**DRIVER’S EDUCATION - 4005**

**Grade 10  
REQUIRED (1 credit)**

**Purpose:** The Driver’s Ed class provides students with a background on the proper techniques of safe driving and the laws governing motor vehicles in Pennsylvania.

**Driver’s Ed Course Description:** This course provides the background knowledge of safe driving skills along with the rules and regulations of the Pennsylvania Motor Vehicle Codes. This course will instruct the student in the skills of driving in preparation for their state test or /as an experienced driver. Driver’s Ed requires regular classroom activities with homework and laboratory activities that will be an integral part of the course. Additional projects and reports may be assigned. There will be chapter tests, unit tests, and a final test.

## COURSE DESCRIPTIONS – BUSINESS

### ACCOUNTING I – 0717

*Grades 10, 11, 12*  
*ELECTIVE (1 credit)*

**Purpose:** In this course students will become familiar with generally acceptable accounting principles, double-entry accounting and automated accounting. This course will incorporate marketing management and accounting data into decision-making skills and provide students the opportunity to utilize computer skills for accounting.

**Course Description:** Accounting theory and concepts will be applied to maintaining journals, ledgers, and formulating fundamental financial statements including a balance sheet, income statement, and trial balance. Students will study payroll accounting and multiple journals in a manual system, a simulation on a merchandising business; and a competitive computer program based on economics, marketing and accounting theories. In addition, students will complete a program from the IRS on understanding taxes. An interactive CD from the PICPA will be used for careers in accounting and group projects.

**Requirements:** Students will be responsible for homework assignments, tests, computer assignments and accounting simulations.

**Prerequisites:** None

### ACCOUNTING II – 0718

*Grades 11, 12*  
*ELECTIVE (1 credit)*

**Purpose:** In this course a student will study and analyze corporate transactions and use computer software as an accounting tool.

**Course Description:** Various partnership and corporate configurations will be examined in this course. Students will draft financial statements for partnerships and corporations. Students will also utilize a software program consisting of accounts receivable, accounts payable, general edger and payroll. Students will analyze the corporate business structure and study stock transactions involving common, preferred and treasury stock. Manual and computer simulations will be utilized to process corporate transactions and financial statements.

**Requirements:** Students are required to complete homework assignments, computer assignments, and tests.

**Prerequisite:** Successful completion of Accounting I is required.

## COURSE DESCRIPTIONS – ART

## **FUNDAMENTALS OF ART – 0708**

**GRADES 9, 10, 11, 12**  
**ELECTIVE (1 credit)**

**Purpose:** Fundamentals of art is designed to engage students in the study, understanding and production of art.

**Course Description:** Fundamentals of art is an introductory course in which the elements and principles of art are reviewed. Studio instruction and projects include drawing objects, landscapes, figures, faces and designs. Color is studied through a number of lessons and painting in tempera and watercolors. Students participate in one of more three dimensional works during the semester. Researching and responding to the works of others is covered in assignments, discussions and reports.

**Requirements:** Students are expected to complete weekly homework drawing assignments. They are required to turn in all class assignments and make-up work missed through absence. Students complete a number of drawings, paintings and designs. They are required to maintain a folder of art work, assignment handouts and notes.

**Prerequisites:** None

## **DRAWING AND PAINTING – 0709**

**GRADES 10, 11, 12**  
**ELECTIVE (1 credit)**

**Purpose:** Drawing and painting develops skills in drawing and painting beyond the level achieved in fundamentals of art. Assignments incorporate art history and aesthetics along with production.

**Course Description:** The course is designed to assist the developing artist in improving skills in art and handling of media. Objectives of the course include building student confidence while developing portfolio work. Drawing and painting assignments include work in pencil, charcoal, pastel, pen and ink, watercolor, acrylic and oil.

**Requirements:** Weekly sketchbook assignments are required. Daily work and all assignments should demonstrate effort and originality. Students are expected to prepare portfolios of work completed both in class and independently. Students are expected to participate in critiques and prepare written statements and power points frequently during the course. Students are expected to focus on developing skills in two and three dimensional art.

**Prerequisites:** Successful completion of fundamentals of art with a grade of 85% or above. Drawing and painting may be taken again for credit with the instructor's permissions. Advanced level students may participate with adapted assignments and/or independent projects.

## **CERAMICS I – 0711**

**GRADES 9, 10, 11, 12**  
**ELECTIVE (1 credit)**

**Purpose:** To develop student knowledge and skills in a variety of hand built and wheel thrown ceramic pieces, and to familiarize the student with historical and cultural aspects of ceramics. In addition the student will practice working in a group studio situation as well as practice sequential thinking to create their pottery.

**Course Description:** The students will learn and develop the skills necessary to work in the ceramic medium. The students will design and produce a number of ceramic pieces and learn the historic background of ceramics as well as current trends in ceramics.

## **CERAMICS I, continued**

**Requirements:** The students will create a number of projects based on the skills taught in wheel throwing and hand building. The students will do several article reviews and historical ceramic reports. The student will keep a journal of all work, terminology and techniques.

**Prerequisites:** None

## **CERAMICS II – 0712**

**GRADES 10, 11, 12**  
**ELECTIVE (1 credit)**

**Purpose:** To provide students a chance to further develop their skills in wheel thrown and hand built ceramics. The students will also learn the skills necessary to run a pottery studio.

**Course Description:** Students will learn and practice advanced ceramics techniques. They will practice techniques based on the skills learned in Ceramics I. Students will research contemporary ceramics and ceramic artists and present this information to the class. The students will learn to assist in running the studio.

**Requirements:** The students will be required to produce a number of wheel thrown and hand built projects using advanced techniques. The student will be required to assist in running the studio by making and pugging clay, loading and unloading the kiln and cleaning designated areas. The students will keep a written journal of all the work and research done in class.

**Prerequisites:** Successful completion of Ceramics I with a grade of 85% or above.

## **PHOTOGRAPHY I – 0805**

**GRADES 10, 11, 12**  
**ELECTIVE (1 credit)**

**Purpose:** This course will be an exploration of the art and science of photography.

**Description:** This course is designed for students with little or no experience in photography. This course will cover all the basic photographic skills, both technical and aesthetic. The student will learn photographic history, camera operation, exposure, black and white film processing and printing, digital photography, scanning, Adobe Photoshop software, as well as the presentation of photographic prints.

**Requirements:** The students will be required to complete a number of photographic assignments, all of which will be compiled into a final portfolio displaying their progression throughout the semester. Along with the portfolio each student will create a presentation on a famous photographer, and a second presentation illustrating the elements and principle of design using their own photographs. Students will also be expected to participate in critiques at the end for each assignment.

## **PHOTOGRAPHY II – 0807**

**GRADES 11, 12**  
**ELECTIVE (1 credit)**

**Purpose:** This course will be an exploration of the art and science of photography. This course will also be an extension of photography I. The student will choose a theme to carry out in all of their work throughout this course.

**Description:** This course is designed for students with basic experience in photography. The student will use all of the skills that were introduced to them in Photo I, and advance in those skills through new projects.

**Requirements:** The students will be required to complete a number of photographic assignments, which will be compiled into a final portfolio displaying your progression throughout the semester. This portfolio will contain 20 of your best photographs, it should be sufficient to submit to a college or art institute. A well written and expressive artist statement should accompany your portfolio. Students should hand submit 5 photos per week. We will critique those photos together and choose the best one to print on 8x10 digitally or in the darkroom, or a combination of both.

**Prerequisites:** Successful completion of Photography I and written permission from the teacher.

### **ARCHITECTURAL DESIGN – 0713**

**GRADES 11, 12**  
**ELECTIVE (1 credit)**

**Purpose:** Architectural design includes the study of architectural drawing and design, interior design and landscape design.

**Course Description:** Architectural design covers interior and exterior architectural design. Students study the history of residential home styles. They design floor plans, draw interior and exterior elevations and build a model plan. Class reports and group projects introduce students to careers in architecture and interior design.

**Requirements:** Students produce a number of floor plan drawings, elevations and landscape designs. They are expected to complete readings, reports and participate in group discussions and activities related to housing and design. Students are expected to build a scale model from a plan they have designed. Students are expected to work together through critiques and group projects.

**Prerequisites:** None

### **STAINED GLASS – 0715**

**GRADES 11, 12**  
**ELECTIVE (1 credit)**

**Purpose:** Stained glass includes work in the art of glass techniques including: mosaic, copper foil, leading and fusing as well as the history of stained glass.

**Course Description:** Stained glass includes the study of stained glass history and participation in the production of stained glass projects. Students develop skills in glass through work made from original designs. During the second quarter of the class students choose techniques and work more independently.

#### **STAINED GLASS, continued**

**Requirements: in class:** Students are expected to complete approximately eight works using techniques covered in class. Students design and complete work in the following: mosaic, copper foil, leading and fusing. They may also choose to work in slumping, glass painting and etching. Students are required to keep a notebook of techniques, history and artists. Weekly notebook assignments will be presented in class. Students are required to provide safety glasses, a 3-ring binder and a storage bin for their work. Students will need to purchase glass or other materials to complete some of their projects.

**Prerequisite:** A previous art class with a grade of 85% or above.

**Note:** Students under 16 should not work in stained glass due to materials used in the glass studio.

**COURSES IN RED ARE NEW THIS YEAR**

**ART HISTORY - 0714**

**GRADES 10, 11, 12**  
**ELECTIVE (1 credit)**

**Purpose:** The course is designed to give students a first hand, interactive introduction to art history. It aims to show that art is a reflection of the culture that creates it.

**Course Description:** This course surveys the history of art and design in western and non-western traditions from prehistoric to the modern world. The course emphasizes the connections among historical, political, social, religious and artistic developments, showing how artists and designers are influenced by the culture and time in which they live. Once genres are discussed, students will be helped to produce a work of art that includes the characteristics of the genre.

**Objectives:** Identify the major art movements; recognize the work and contributions of the major artists in each movement; critique the work and influences of selected artists; demonstrate how past art movements and styles influence today's designs; create art that reflects the style and influences of the art we study; and develop a vocabulary of art terms and techniques.

**Prerequisite:** NONE

**COURSES IN RED ARE NEW THIS YEAR**

**COURSE DESCRIPTIONS – TECHNOLOGY AND COMPUTER SCIENCE**

**CADD – Computer Aided Drafting and Design - 4025**

**Grades 9, 10, 11, 12  
ELECTIVE (1 credit)**

**Course Description:** This course stresses problem solving and is an excellent choice for students considering careers in engineering, drafting, or other industrial related positions. Major topics covered include geometric construction, multi-view projections, dimensioning, and section views.

**HARDWARE & NETWORKING - 4024**

**Grades 9, 10, 11, 12  
ELECTIVE (1 credit)**

**Course Description:** This course covers a variety of aspects of computer hardware and networking. The areas of focus are: investigating computers, computer troubleshooting, working with the internet, and computer networking.

**INTRODUCTION TO ENGINEERING/ROBOTICS - 4021**

**Grades 9, 10, 11, 12  
ELECTIVE (1 credit)**

**Course Description:** This course will develop students' critical thinking and problem-solving skills. This course will also provide students with the opportunities to research, design, develop, build, test, and evaluate solutions to technical problems including, but not limited to, robotics.

**PROGRAMMING & CODING I & II - 4023 and 4026**

**Grades 9, 10, 11, 12  
ELECTIVE (1 credit)**

**Course Description:** This course is designed to provide students with an understanding of programming environments. Topics range from program and logic structures, to calculations, syntax, and documentation.

**WEBSITE DESIGN/MULTI-MEDIA - 4022  
(including computer animation/special effects)**

**Grades 9, 10, 11, 12  
ELECTIVE (1 credit)**

**Course Description:** This course introduces students to the entire design process from developing an idea to the finished product. Along the way students will determine a target market, plan out the design, and then apply design techniques.

**WOOD TECHNOLOGY – 0806  
Taught at Fairview Middle School**

**GRADES 9, 10, 11, 12  
ELECTIVE (1 credit)**

**Purpose:** This basic course is an introduction to the basic hand tools and machines used in woodworking.

**Course Description:** The safe and proper use of woodworking machines is emphasized in this course, in which students will complete a number of projects designed to improve their woodworking skill level. Project planning and design will also be a major part of the curriculum.

**Requirements:** Students are expected to learn the basic operation of each machine and complete a required project that will give them the experience to design and build future projects. Knowledge of wood joinery, assembly, and finishing techniques will also be expected. Shop safety will be stressed at all times. Students must pass a competency test before using each machine.

**Prerequisites:** None

**NOTE:** Because of safety requirements and supervisor concern, the class size will be limited to eighteen (18) students per semester. Priority in scheduling will be based on seniority and availability.

## **COURSE DESCRIPTIONS – MUSIC DEPARTMENT**

### **PERFORMANCE MUSIC INSTRUMENTAL – 0700**

**GRADES 9, 10, 11, 12**  
***ELECTIVE (1 credit)***

**Purpose:** The primary function of any ensemble is to educate the students to a variety of quality concert literature, which gives them both a historical perspective and allows for the exploration of current trends in composition. The second purpose is to educate the community through the performance of such literature.

**Course Description:** Band is a course in instrumental music technique, open to all students 9-12 who have skills on a band instrument and a desire to improve these skills, both individually and in an ensemble setting. This course will focus on fundamentals of music, including scales, tonal exercise, articulation, rhythm, technique, theory, and ensemble playing by learning and preparing musical repertoire from different time periods as well as improving playing skills and tone production. A required performance schedule provides opportunity for demonstration of the mastery achieved by students.

**Requirements:** Public performance is required. Rehearsals may be held after school at director's discretion. Attendance at all events is required. Participation in marching band is not required for concert band.

**Prerequisites:** Must be able to play a concert band or orchestral instrument.

### **PERFORMANCE MUSIC: CHORAL – 0703**

**GRADES 9, 10, 11, 12**  
***ELECTIVE (1 credit)***

**Purpose:** The primary function of any ensemble is to educate students to a variety of quality concert literature, which gives both a historical perspective and allows for exploration of trends in composition. The second purpose is to educate the community through the performance of such literature.

**Course Description:** Chorus is a class in vocal music, open to all students in grades 9-12 who have some musical skills and a desire to improve those skills, both individually and in an ensemble setting. This course will focus on music fundamentals: scales, basic theory, articulation, rhythm, intonation, tonal exercises.

**Prerequisites:** Any student with a genuine interest in music is welcome. Prior knowledge of music is helpful, though not essential. A willingness to try "something new" is essential.

**Requirements:** Students in chorus are required to learn and perform music as selected by the director. Daily participation is necessary. **Student attendance and participation in scheduled concerts is required.**

**MUSIC THEORY I – 0701****GRADES 9, 10, 11, 12**  
**ELECTIVE (1 credit)**

**Purpose:** This course will develop an understanding of music by studying the: (1) nature and use of the fundamental grammar of music, (2) techniques of voice leading/part writing of music, (3) harmonization of melodies. This course is designed for any student wanting to learn more about music.

**Course Description:** The course will cover elementary functions, grammar, and mechanics of music.

**Requirements:** Students will be required to submit graded homework. Class participation will be assessed by means of assigned drills. Tests and quizzes will be given periodically to check class for understanding.

**Prerequisites:** Successful completion of eighth grade general music.

**MUSIC THEORY II - 702****GRADES 10, 11, 12**  
**ELECTIVE (1 credit)**

**Purpose:** In this course the student will learn about melody (the song), harmony (the chords) and texture (which sounds or instruments are used). These are all elements of music theory. Through Musical Instrument Digital Interface/MIDI (Computer Aided Music), the student will learn to manipulate these musical materials. The student will explore different concepts of melody, harmony and texture in both existing and original music.

**Course Description:** In a classroom setting students explore the elements that come together to create music.

**Requirements:** Computer Aided Music Theory requires nightly homework in music writing.

**Prerequisites:** A basic playing knowledge of any musical instrument is suggested, but not required. A basic knowledge of computers is suggested but not required. MUST complete Music Theory I.

**HISTORY OF ROCK & ROLL****GRADES 9, 10, 11, 12**  
**ELECTIVE (1 credit)**

**Purpose:** This course is designed to help students understand and appreciate the history of American Popular Music in the 20<sup>th</sup> Century.

**Course Description:** The History of Rock and Roll details the most important popular music styles, how they evolved, and their important artists, as well as a listing of key recordings in each style. Students will also study biographical information on recording artists, composers, producers, DJs, record executives, and other figures relevant to the history of popular music.

**Requirements:** Students will be required to pass tests/quizzes and participate in projects and listening assignments. A paper/project is required.

**Prerequisites:** Any student with a genuine interest in music is welcome. A successful completion of 8<sup>th</sup> grade general music is a must!

## COURSE DESCRIPTION – FAMILY AND CONSUMER SCIENCE

### **CLOTHING – 0725** **(18 seats maximum)**

**GRADES 9, 10, 11, 12**  
**ELECTIVE (1 credit)**

**Purpose:** This course will introduce students to basic sewing skills. It may also explore period costume and the relationship of costume to a theatrical production.

**Course Description:** The course will include instruction on sewing techniques and application of those techniques to sewing projects. It may also discuss period costume and the process of designing costumes for a theatrical production. Students will master use of sewing equipment and learn to read and follow a pattern.

**Requirements:** Students will take tests, quizzes, prepare sewing samples, and construct at least 4 sewing projects. One of those projects may be a costume for the school musical. If so, materials for that costume will be provided. Students will purchase fabric and other materials for their sewing projects and will keep these items at the end of the semester.

### **CLOTHING II**

**GRADES 10, 11, 12**  
**ELECTIVE (1 credit)**

**Purpose:** This course will allow students to refine the sewing techniques learned in Clothing I and will give them the opportunity to acquire additional skills. Specific skills will be determined by projects selected.

**Course Description:** Students will construct a lined jacket or other lined garment. They will select more complex projects than constructed in Clothing I which may include dresses, bags, and other craft items, quilts, or a prom gown. Other projects may be agreed upon by the student and teacher. Students may also assist the teacher with costumes for the school musical. Reading and interpreting pattern instructions will be addressed.

**Requirements:** Students will construct at least 4 projects. This number may be modified if an extremely difficult or time-consuming project is selected. Students will purchase fabric and other materials for their projects and will keep these items at the end of the semester.

**Prerequisites:** Successful completion of Clothing I is necessary. **Students must have permission of the teacher to take this course.**

### **CLOTHING III**

**GRADES 11, 12**  
**ELECTIVE (1 credit)**

**Purpose:** This course will allow students who have successfully completed Clothing I and II to select more challenging projects.

**Course Description:** Students will select more complex projects which may include craft items, quilts, complex garments, patterned knitted items or a prom gown.

**Requirements:** Students will construct at least 4 projects unless projects chosen are extremely time consuming or difficult. Students will purchase fabric and other materials for their projects and will keep these items at the end of the semester.

**Prerequisites:** Successful completion of Clothing I and II is required. Students must be able to follow pattern instructions and work independently. **Students must have permission of the teacher to take this course.**

### **CLOTHING IV**

**GRADES 11, 12**

***ELECTIVE (1 credit)***

**Purpose:** This course will allow students who have successfully completed Clothing I, II and III to explore more difficult sewing techniques by choosing their own projects.

**Course Description:** Projects will be selected by the student and approved by the teacher.

**Requirements:** The number and difficulty of the projects selected will be determined by the student and the teacher. Students will purchase fabric and other materials for their projects and will keep these items at the end of the semester.

**Prerequisites:** Students must successfully complete Clothing I, II and III and **have permission of the teacher to take this course.** Students must be able to follow pattern instructions and work independently.

**FOOD AND NUTRITION – 0723**  
**10, 11, 12**  
**(20 seats maximum)**

**GRADES 9,**

***ELECTIVE (1 credit)***

**Purpose:** This course is designed to give students background in nutrition, sanitation and safety, kitchen basics, and techniques of food preparation. Principles of nutrition will be stressed.

**Course Description:** Students will acquire information in nutrition, kitchen techniques, food sanitation and safety. Labs are designed to reinforce information learned in class.

**Requirements:** Students will be required to pass tests and quizzes and participate in projects and food labs. A paper/project is required.

**Prerequisites:** Students will be expected to work safely with stoves, full-size chef's knives and cleaning chemicals.

**CHILD DEVELOPMENT – 0724**

**GRADES 11, 12**

***ELECTIVE (1 credit)***

**Purpose:** This course is designed to help students understand the growth, development and care of a child from the prenatal period through middle childhood. Parenting skills are stressed.

**Course Description:** The course will discuss prenatal development, the birth process, infancy, early childhood and the pre-school period. Other topics covered include baby care, play and toys, discipline and child abuse.

**Requirements:** Students will be required to pass tests and quizzes and participate in group activities.

**Prerequisites:** None