

El Camino Real Charter High School

Course Catalogue



ECRCHS VISION STATEMENT

We envision a charter school community, highly regarded for its innovative teaching methods, that empowers students to be independent, determined, and compassionate global citizens who think critically, collaborate confidently, and work passionately toward a sustainable future in the world they will inherit.

ECRCHS MISSION STATEMENT

The mission of ECR is to prepare our diverse student body for the next phase of their educational, professional, and personal journey through a rigorous, customized academic program that inspires the development of students' unique talents and skills, builds character, and provides opportunities for civic engagement and real-world experiences.

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COURSE CATALOGUE DESCRIPTION

The course catalogue includes a list of graduation requirements, A-G college requirements, special programs at ECRCHS, and course options. The course options are subject to change based on student demand, teacher availability, and resources.

Each course listing will indicate the following information:

- **Course Title**
- **Course Description**
- **Prerequisites**
- **Expected Homework**
- **Other Requirements**
- **High School Requirement Met**
- **A-G Requirement Met**

SPECIAL PROGRAMS

Career and Technical Education (CTE)

Our Career and Technical Education (CTE) pathways are designed to equip students with the skills and knowledge they need to excel in college, careers, and beyond. Our graduates leave with real-world skills and the confidence to pursue a variety of exciting career opportunities.

Our CTE program offers practical, hands-on learning experiences; field trips to local colleges and industry sites; annual competitions that showcase student talent; industry guest speakers and panels; scholarships, certifications, and awards; as well as articulation agreements with local colleges for continued education.

Our pathways include:

- Food Service and Hospitality
- Cabinetry, Millwork, and Woodworking
- Music Production and Engineering
- Game Design and Integration
- Filmmaking

Concurrent Enrollment

Students may take community college classes that may count for both high school and college credit. It is recommended that students take community college classes for enrichment and not to finish a class that can be taken at ECRCHS. Community college courses are only added to a student's high school transcript if the class is needed to meet graduation requirements. If a class is offered here at El Camino, and a student chooses to take the class at the community college level instead, there is no augmented point in the ECRCHS GPA. When students take a community college course, the high school counselor signs a concurrent enrollment form, to show the student is a high school student, and the student can then take the class for free.

FLEX

Students identified for the personalized intervention setting will be expected to master the skills and content necessary for success in colleges and careers. Courses offered are not set on a semester timeline. Each course is designed to allow students the flexibility to access the curriculum at their own pace. The instructional curriculum will have the flexibility to provide specific intervention, catering to the needs of each student, throughout each course's entirety. A self-paced format allows the teacher to slow down the curriculum at any time throughout the course and address learning deficits. This approach allows students of all levels to demonstrate growth and mastery within the curriculum and be successful in grade appropriate classes.

Independent Study (ISP)

The Independent Study Program (ISP) was created for students who are unable to attend school in the traditional five-days-a-week, six-periods-a-day format. Generally, admission into ISP requires a referral from a school counselor. ISP provides an opportunity for students to enjoy the resources of a comprehensive high school, but with an academic program tailored to the individual student. In addition, it offers flexibility to meet individual student needs, interests, and styles of learning. All IS classes are taught by credentialed teachers that are part of the ECRCHS teaching staff. ISP students work independently, according to a written agreement and under the general supervision of a credentialed teacher or teachers. All standards-based academic courses comply with UC/CSU A-G requirements and focus on college preparedness, with the goal of preparing each student for success beyond high school.

Resource Specialist Program (RSP)

Students enrolled in the Resource Program are provided with support in the General Education English and/or Mathematics classroom(s) through the help of Resource teachers, paraprofessionals, and other related services providers. All Resource students have been assessed to determine their eligibility and academic disabilities. An Individualized Education Program (IEP) is developed to meet his/her special needs. The RSP Program offers students additional assistance in the Resource Room for help with homework, test-taking, tutoring, and small-group instruction. The instructional program may be fully accommodated in the general education milieu and/or accommodated in a Resource elective, as is indicated by a student's IEP.

Special Day Program (SDP)

The Special Day Program provides instruction for at least two or more classes per day for individuals with exceptional needs who have been identified as having a disability per their Individualized Education Program (IEP). Students are provided with direct specialized instruction in a separate classroom environment for most of the school day. The instructional program is a regular course taught by a special education teacher that may be accommodated to meet the individual needs of a student or modified to meet a student's needs at their instructional level, as determined by that student's IEP. As appropriate, students who are enrolled in special day classes interact with their general education peers through academic, nonacademic, and extracurricular activities.

REQUIREMENTS

EL CAMINO REAL CHARTER HIGH SCHOOL GRADUATION REQUIREMENTS

Each class passed for the first time with a "D" or higher is worth 5 credits

English 9AB, 10AB, 11AB, 12AB	40 credits
Math (2 years)	20 credits
Health	5 credits
World History AB	10 credits
US History AB	10 credits
Government	5 credits
Economics	5 credits
Life Science (Biology) AB	10 credits
Physical Science AB	10 credits
PE	20 credits
Visual Performing Arts	10 credits
Applied Tech (1 sem must be computers)	10 credits
Electives	75 credits
Total Credits Needed	230 credits
Service Learning	Project completed in economics/government
Career Pathway	Discussion with counselor about career
Physical Fitness Test	Pass not required; student takes PE until passed

COLLEGE A-G REQUIREMENTS

- Minimum requirements needed to apply directly to a 4-year college after graduation
- Completing requirements does NOT guarantee entrance to any college
- A-G classes must be passed with a "C" or higher

A-G Category	Subject	Required Years
A	History/Social Science	2
B	English	4
C	Mathematics	3*
D	Laboratory Science	2*
E	Foreign Language	2*
F	Visual Performing Arts	1
G	College Preparatory Elective	1

Note: * indicates additional years are recommended

ADVANCED PLACEMENT (AP) COURSES

ADVANCED PLACEMENT BUSINESS TECHNOLOGY COURSES

Advanced Placement Computer Science AB (Grades 10-12, Annual Course)

This course is an introduction to object-oriented programming (OOP) using the Java programming language. Computer science concepts including classes, objects, functions, arrays, syntax, error-checking, and others will be taught in a Java context. Students will design and implement computer programs to solve problems and develop skills that are fundamental to the study of computer science. This includes the development and analysis of algorithms and fundamental data structures, and the use of logic and formal methods. The course prepares the student for the APCS-A test

Prerequisites: Introduction to Computers with a C or better, Algebra 1 with a B or better

Expected Homework: Frequent

Other Requirements: As per teacher

High School Requirement Met: Technology

A-G Requirement Met: G (College Preparatory Elective)

Advanced Placement Computer Science Principles AB (Grades 10-12, Annual Course)

This course is a full-year, entry-level course that introduces students to the foundations of modern computing. The course covers a broad range of topics that make up computing such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. The course is designed around the AP Computer Science Principles Framework and prepares students to take the AP Exam and to complete the AP Performance Tasks.

Prerequisites: Introduction to Computers with a C or better, Algebra 1 with a B or better

Expected Homework: Frequent

Other Requirements: As per teacher

High School Requirement Met: Technology

ADVANCED PLACEMENT ELECTIVES

Advanced Placement Capstone Seminar AB (Grades 10-12, Annual Course)

AP Seminar is a yearlong course that has students investigate real-world issues from multiple perspectives. Students learn to synthesize information from different sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team.

Prerequisites: Strong grades and work ethic

Expected Homework: Daily

Other Requirements: Per teacher

High School Requirement Met: Elective

A-G Requirement Met: G (College Preparatory Elective)

Advanced Placement Capstone Research AB (Grades 10-12, Annual Course)

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

Prerequisites: Strong grades and work ethic

Expected Homework: Daily

Other Requirements: Per teacher

High School Requirement Met: Elective

A-G Requirement Met: G (College Preparatory Elective)

Advanced Placement Psychology (Grades 11 - 12, Annual Course)

This course covers the biological bases of behavior, sensation and perception, states of consciousness, learning cognition, motivation and emotion, developmental psychology, personality, testing and individual differences, abnormal psychology, treatment of psychological disorders, and social psychology.

Prerequisites: Approval by teacher

Expected Homework: 3 - 4 hours per week

Other Requirements: Oral presentation, note taking, notebook, research project

High School Requirement Met: Elective

A-G Requirement Met: G (College Preparatory Elective)

ADVANCED PLACEMENT ENGLISH COURSES

Advanced Placement English Language AB (Grade 11, Annual Course)

Aligning itself with the objectives of the College Board AP Central, this course is designed “to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers” while “enabling students to write effectively and confidently in their college courses across the curriculum and in their professional and personal lives.” Additionally, this course will satisfy the required breadth of material consistent with two semesters of American Literature. The course surveys American literature from the Puritan period to the twentieth century, encompassing a number of major writers and important genres and themes. The course aims to provide a basic context for understanding literature written during this period of literary history by focusing on the historical and cultural contexts in which the literature was written and the changing conventions it employs. As such, you will be expected to learn/remember a fair amount of history: names, dates, and cultural terminology. This is a crash course on all the chronological background you may have missed out on but which is crucial for understanding the origins and early development of western culture.

Prerequisites: Honors English 10AB with a B or better and portfolio assessment.

Expected Homework: Approximately four hours a week.

Other Requirements: Assigned summer reading, library research/project, class participation, oral presentations, and vocabulary study.

High School Requirement Met: English

A-G Requirement Met: B (English)

Advanced Placement English Literature and Composition AB (Grade 12, Annual Course)

Designed for the honors student, this college level course focuses on reading challenging literature and writing mature interpretation. Students examine the historical and cultural context of the literature, discuss major issues, analyze style, and prepare for the Advanced Placement Examination in English Literature and Composition, for which they may receive college credit.

Prerequisites: American Literature and Composition Honors with an A or Advanced Placement English Language / American Literature Honors with a B or better – and both portfolio assessment and teacher recommendation.

Expected Homework: Approximately five to six hours per week

Other Requirements: Assigned summer reading; library research, including electronic sources; one literature-based research paper each semester; class participation; oral presentations; and group projects.

High School Requirement Met: 12th grade English

A-G Requirement Met: B (English)

ADVANCED PLACEMENT MATHEMATICS COURSES

Advanced Placement Calculus AB (Grades 11-12, Annual Course)

This is a college course and is intended for students who have a thorough knowledge of college preparatory mathematics. Emphasis is on stressing derivatives and their ions, differentials, anti-differentiation, definite integrals, application of integration, including areas and volumes, logarithmic, exponential, and trigonometric functions; solid analytic geometry, and an introduction to differential equations. Students may receive advanced placement or college course credit course if they qualify on the AP exam.

Prerequisites: Algebra 2AB and Math Analysis AB

Expected Homework: Daily; graphic calculator required, TI-83 recommended

Other Requirements: Pass tests

High School Requirement Met: Mathematics

A-G Requirement Met: C (Mathematics)

Advanced Placement Calculus BC (Grades 11-12, Annual Course)

This college level class prepares students for the Advanced Placement Calculus BC Exam. Topics included are the precise definition of limits and continuity, the derivative, and techniques of differentiation, applications of the derivative, area under a curve, integrals and the fundamental theorem, numerical methods of integration, integration techniques and application, analysis of parametric and polar curves, improper integrals, vector-valued functions, infinite series, and elementary linear differential equations.

Prerequisites: Algebra 2AB and Math Analysis AB

Expected Homework: Daily; TI-83 graphic calculator required

Other Requirements: Pass tests

High School Requirement Met: Mathematics

A-G Requirement Met: C (Mathematics)

Advanced Placement Statistics (Grades 11-12, Annual Course)

Statistics is a tool used by people in many disciplines to understand processes and make decisions. The course is designed for the mathematically mature student who has completed Algebra 2 successfully. This course is built around four main topics: exploring data, planning a study, probability as it relates to distributions of data, and inferential reasoning. It also covers areas which are supplemental to the traditional secondary mathematics curriculum.

Prerequisites: Algebra 2B or Math Analysis AB

Expected Homework: Daily; TI-83 graphic calculator highly recommended

Other Requirements: Pass tests

High School Requirement Met: Mathematics

A-G Requirement Met: C (Mathematics)

ADVANCED PLACEMENT SCIENCE COURSES**Advanced Placement Biology** (Grades 10 - 12, Annual Course)

The major emphasis of this course is on developing the investigative laboratory approach to the study of living things, detailed study of living systems, the cell, organizational levels, adaptive and non-adaptive change, and interdependence of the organism with its environment. Meets life science requirement for high school.

Prerequisite: Approval by teacher

Expected Homework: 5-8 hours per week

Other Requirements: Additional hours for AP exam preparation

High School Requirement Met: Life Science

A-G Requirement Met: D (Laboratory Science)

Advanced Placement Chemistry (Grades 11 - 12, Annual Course)

Advanced Placement chemistry is designed to be taken after the successful completion of a first course in high school chemistry. The college course in general chemistry differs qualitatively from the usual first high school course in chemistry with respect to the kind of textbook used, the emphasis on in-depth chemical abstractions and calculations, and advanced laboratory experiments done by the students. Quantitative differences appear in the number and the variety of experiments in the laboratory. The course provides an in-depth study of kinetic theory of gases, structure of matter, chemical equilibrium, reaction kinetics, thermodynamics, oxidation-reduction, and organic chemistry. Meets physical science requirement for high school.

Prerequisites: Permit by Instructor. Algebra 1AB, Geometry AB, Biology AB, and Chemistry AB

Expected Homework: 5 to 8 hours per week

High School Requirement Met: Physical Science

A-G Requirement Met: D (Laboratory Science)

Advanced Placement Environmental Science AB (Grades 11 - 12, Annual Course)

This elective course focuses on ecological concepts in context of both local and global environmental issues. Issues raised in the course range pollution, to resource limits, to population dynamics, and to possible solutions. The course integrates biology, geology, oceanography, atmospheric science, geography and sociology to increase environmental awareness. Field trips are planned in order to promote hands-on involvement.

Prerequisite: Teacher approval.

Expected Homework: 5 hours per week

Other Requirements: Additional hours for AP exam preparation

High School Requirement Met: Physical Science

A-G Requirement Met: D (Laboratory Science)

Advanced Placement Physics 1 (Grades 11 - 12, Annual Course)

This course is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics), work, energy, and power, mechanical waves, electricity and circuits. Students will have time to gain a greater depth of conceptual understanding through inquiry-based labs. Students will learn important science process skills such as explaining relationships, applying and justifying the use of mathematical models, designing experiments, analyzing data, and making connections across multiple topics within the course. The AP Program recommends that colleges grant one semester of credit for a score of 3 or higher on the AP Physics 1 exam. Students receive a weighted grade for successfully completing the course with a grade of C or better.

Prerequisite: A grade of "B" or better in Honors Biology; A grade of "C" or better in Honors Chemistry or Physics (P); and a grade of "C" or better in Math 4; and/or teacher recommendation.

Expected Homework: 5-8 hours per week

Other Requirements: Can be taken concurrently with Math Analysis or Calculus

High School Requirement Met: Physical Science

A-G Requirement Met: D (Laboratory Science)

Advanced Placement Physics C (Grades 11 - 12, Annual Course)

AP Physics C: Mechanics and AP Physics C: Electricity and Magnetism form the first two semesters of college level physics for students majoring in the physical sciences or engineering. Topics include Kinematics, Dynamics, Work, Energy, Power, Momentum, Circular Motion, Rotation, Oscillations, Gravitation, Electrostatics, Circuits, Dielectrics, Magnetic Fields and EM Induction. The sequence is parallel to or preceded by mathematics courses that include calculus. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. This course is more intensive and analytic than AP Physics 1. Strong emphasis is placed on solving a variety of challenging problems, some requiring calculus.

Prerequisite: A grade of "B" or better in AP Physics 1 or AP Chemistry; and a grade of "B" or better in Honors Math Analysis and concurrent enrollment in AP Calculus; A grade of "B" or better in AP Calculus; and/or teacher recommendation.

Expected Homework: 5-8 hours per week

High School Requirement Met: Physical Science

A-G Requirement Met: D (Laboratory Science)

ADVANCED PLACEMENT SOCIAL SCIENCE COURSES

Advanced Placement European History AB (Grades 10-12, Annual Course)

This is a college level equivalent course. It is an in-depth study of European history from 1450 to the 1980's, with 3 major themes: (1) Political and Diplomatic History, (2) Intellectual and Cultural History, (3) Social and Economic History. Essay tests, note taking and research papers will help students to understand the nature of history and its interpretations. College course credit or advanced placement for students who qualify on the CEEB AP EXAM in European History.

Prerequisite: Teacher approval

Expected Homework: 3 to 4 hours per week

Other Requirements: Essay writing, map work, oral presentation, current events, research projects

High School Requirement Met: World History

A-G Requirement Met: A (History/Social Science))

Advanced Placement Macro Economics (Grade 12, Semester Course)

The curriculum is college preparatory, and basic math concepts are essential for many of the lessons covered. The course provides the basic groundwork for further study in preparation for the economics advanced placement test. Units covered include: 1) Economics history and thought, 2) The theory of the firm, 3) Forces of supply and demand in the market system, 4) The role of the government, 5) International trade, 6) Labor economics, and 7) Consumer rights and responsibilities. The class does require more study time than other economics courses offered here at school and students must have the ability to take notes and to prepare papers and essay questions.

Prerequisites: Department recommendation

Expected Homework: 3 to 4 hours per week

Other Requirements: College level performance and a research paper (cooperative learning assignment)

High School Requirement Met: Economics

A-G Requirement Met: A (History/Social Science)

Advanced Placement American Government and Politics (Grade 12, Semester Course) This course involves both the study of general concepts used to interpret American politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up the topics and some questions a student might choose to explore, such as: 1) Constitutional underpinnings of American government, 2) Political beliefs and behavior, 3) Political parties and interest groups, 4) Institutions and policy processes of the national government, and 5) Civil rights and civil liberties. Advanced Placement classes require extra time on the part of the teacher as well as the student. Therefore, a variety of themes and approaches to American Politics and Government will be used. Essay examinations, note taking from both printed material and lectures, research projects are required.

Prerequisites: Approval by teacher

Expected Homework: 3 to 4 hours per week

Other Requirements: Essay writing, oral presentations, current events, research projects, and preparation for the AP Exam.

High School Requirement Met: Government

A-G Requirement Met: A (History/Social Science)

Advanced Placement United States History (Grades 11 - 12, Annual Course)

This is a college level equivalent course. It emphasizes a variety of themes and approaches to U.S. History. Essay examinations, note taking from both printed material and lectures, and research papers are required. Students will learn to evaluate historical evidence and make extensive use of historical materials.

Prerequisites: Approval by teacher

Expected Homework: 3 to 4 hours per week

Other Requirements: Essay writing, map work, oral presentations current events, research project. Preparation for the advanced placement exam.

High School Requirement Met: U.S. History

A-G Requirement Met: A (History/Social Science)

Advanced Placement World History AB (Grades 10 - 12, Annual Course)

This is a full year college level equivalent course in world history from about 8000 C.E. to the present. The course and AP exam highlight six overarching themes. These themes include: the impact of societal interactions, change and continuity across world history periods, impact of technology and demography, social and gender structures, cultural and intellectual developments, and functions and structures of the states. Course work goes beyond simple memorization of knowledge. Active student participation is a major component of the class. The class focuses on historical thinking skills including constructing and evaluating arguments, using primary documents, comparing societies/ major historical movements, assessing cause and effect, assessing change & continuity over time, and handling diverse historical interpretations.

Prerequisites: Approval by teacher *CP/Honors World History recommended*

Expected Homework: 6 to 8 hours per week

Other Requirements: Essays, short answers questions, grappling with primary documents, map work, & occasional oral presentations

High School Requirement Met: World History

A-G Requirement Met: A (History/Social Science)

ADVANCED PLACEMENT VISUAL PERFORMING ARTS COURSES

Advanced Placement Music Theory (Grades 11 - 12, Annual Course)

This is a college course and is intended for students who have a thorough knowledge of college music theory. Students may receive advanced placement or college course credit course if they qualify on the AP exam.

Prerequisites: Algebra 2AB, Math Analysis AB and department approval

Expected Homework: Daily

Other Requirements: Pass tests

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Advanced Placement Studio Art: Drawing/Painting 2-D/3-D (Grades 11 - 12, Annual Course) Students interested in the serious study of Drawing, Painting, Digital, 2-Dimensional and 3-Dimensional Design. Students examine in depth history, technique, processes and content of art and design. College credit can be earned through successfully engaging in the portfolio process.

Prerequisites: Teacher Approval by Portfolio Review

Expected Homework: Extensive work on projects

Other Requirements: Daily progress through class and teacher critiques

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

ADVANCED PLACEMENT WORLD LANGUAGE COURSES

Advanced Placement French Language and Culture (Grades 10-12, Annual Course)

The AP French Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. To best facilitate the study of language and culture, the course is taught almost exclusively in French. The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). This course prepares students to take the Advanced Placement exam for college credit.

Prerequisites: French 3AB or instructor approval upon completion of placement test

Expected Homework: Daily

High School Requirement Met: Elective

A-G Requirement Met: E (Languages other than English)

Advanced Placement Spanish Language and Culture (Grades 10-12, Annual Course)

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). This course prepares students to take the Advanced Placement examination in this subject for college credit.

Prerequisites: Spanish 3AB, Spanish Speakers II or instructor approval upon completion of placement test

Expected Homework: Daily

High School Requirement Met: Elective

A-G Requirement Met: E (Languages other than English)

Advanced Placement Spanish Literature and Culture (Grades 10-12, Annual Course)

The AP Spanish Literature and Culture class is the highest level of Spanish offered in this school. It is a rigorous course that introduces students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States Hispanic Literature. Students develop proficiencies across the full range of communication modes (interpersonal, presentational, and interpretive), thereby honing their critical reading and analytical writing skills. Literature is examined within the context of its time and place, as students reflect on the many voices and cultures present in the required readings. The course also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, literary criticism). This course prepares students to take the Advanced Placement examination for college credit.

Prerequisites: Advanced Placement Spanish Language and Culture or instructor approval

Expected Homework: Daily

High School Requirement Met: Elective

A-G Requirement Met: E (Languages other than English)

BUSINESS TECHNOLOGY COURSES

Advanced Placement Computer Science A (Grades 10-12, Annual Course)

This course is an introduction to object-oriented programming (OOP) using the Java programming language. Computer science concepts including classes, objects, functions, arrays, syntax, error-checking, and others will be taught in a Java context. Students will design and implement computer programs to solve problems and develop skills that are fundamental to the study of computer science. This includes the development and analysis of algorithms and fundamental data structures, and the use of logic and formal methods. The course prepares the student for the APCS AP examination.

Prerequisites: Introduction to Computers with a C or better, Algebra 1 with a B or better

Expected Homework: Frequent

Other Requirements: As per teacher

High School Requirement Met: Technology

A-G Requirement Met: C (Mathematics) & G (College Preparatory Elective)

Advanced Placement Computer Science Principles AB (Grades 10-12, Annual Course) This course is a full-year, entry-level course that introduces students to the foundations of modern computing. The course covers a broad range of topics that make up computing such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. The course is designed around the AP Computer Science Principles Framework, which prepares students for the AP examination.

Prerequisites: Introduction to Computers with a C or better, Algebra 1 with a B or better

Expected Homework: Frequent

Other Requirements: As per teacher

High School Requirement Met: Technology

A-G Requirement Met: G (College Preparatory Elective)

Graphic Design (Grades 9 -12, Semester Course)

This competency-based course introduces students to the tools, methods, materials, and media of commercial art. This course also helps prepare students for employment as illustrators, or as Layout, Paste-up, or Production Artists. Students will also build a portfolio of their work consisting of ads, posters, magazine pages, record cover and cassette cover art, typography, logos, and illustrations.

Prerequisites: 11th & 12th Graders, 16 years or older

Expected Homework: As per teacher

Other Requirements: As per teacher

High School Requirement Met: Technology

A-G Requirement Met: NA

Introduction to Computers (Grades 9-12, Semester Course)

The major emphasis of this semester-long course is to help students develop basic computer skills. In this course, we will cover many different aspects of computer literacy and operation including keyboarding, responsible Internet use, Microsoft Windows, Microsoft Word (including creating, editing, and formatting documents), and basic use of Microsoft Excel and PowerPoint.

Prerequisites: None

Expected Homework: Minimal

Other Requirements: As per teacher

High School Requirement Met: Technology

A-G Requirement Met: NA

Introduction to Digital Marketing (Grades 10-12, Semester Course)

This semester long course focuses on digital marketing, foundational knowledge and building a digital marketing presence with Digital Marketing Strategies, Website Management, Paid Search, Digital Advertising, Search Engine Optimization, social media and marketing Automation. Students will learn digital marketing through comprehensive lesson plans, videos, “digital builds” or hands-on assignments and more. The curriculum is also designed to use current technology, integrate real-world scenarios, and spark the entrepreneurial spirit.

Prerequisites: Introduction to Computers

Expected Homework: As an asynchronous class

Other Requirements: As per teacher

High School Requirement Met: Applied Technology

A-G Requirement Met: NA

Introduction to Video Game Design (Grades 9-12, Annual Course)

This course introduces students to the world of video game design. Students will learn about programming principles, 3D modeling, animation, game art, visual effects, game play and game design, character level, story design, the history, culture and genres of video games, animation, and the careers available in the gaming industry. Students collaborate on group projects to develop the knowledge and skills necessary to deliver real-world game prototypes from concept to completion. No prior game or graphics programming experience are necessary.

Prerequisites: Intro to Computers

Expected homework: Minimal

Other requirements: As per teacher

High School Requirement Met: Applied Technology

A-G Requirement Met: None (future)

Personal Finance (Grades 10-12, Semester Course)

The objective of this course is to focus on basic personal finance skills that are relevant to students and will help them build a solid foundation for financial independence. Students will be learning about checking accounts, savings accounts, the stock market and bond market, taxes, insurance and a wide range of other topics. Microsoft Excel will be utilized to assist students in analysis.

Prerequisites: Introduction to Computers

Expected Homework: Minimal

Other Requirements: As per teacher

High School Requirement Met: Applied Technology

A-G Requirement Met: G (College Preparatory Elective)

Sports and Entertainment Marketing (Grades 10-12, Semester Course)

The objective of this course is to introduce industry skills of market planning, promotions and selling within the sports and entertainment industry. Students will learn about the channels of distribution, global issues, customer service, and economic principles while making direct connections to real-life businesses, famous athletes, and celebrities. Students will work in collaborative teams to build a marketing portfolio applying marketing functions to real-world scenarios and strategies that cover awards show nominations, super bowl ads, and successful product endorsements. Students will also explore social networking, data collection, fan engagement, and promotions to further develop communication, leadership, and technology skills.

Prerequisites: Digital Marketing

Expected homework: Minimal

Other requirements: As per teacher

High School Requirement Met: Applied Technology

A-G Requirement Met: None (future)

CAREER/VOCATIONAL EDUCATION COURSES

Advanced Culinary Arts (Grades 10-12, Year-long Course)

Advanced Culinary Arts is the concentration course in the Food Service and Hospitality Pathway. Students will continue to use food service tools and equipment to explore various ingredients and cooking techniques through lab-based recipes and meals. Recipes will be tested for flavoring and seasoning and edited, based on results in the test kitchen. Students will learn basic cooking principles and techniques of English, French and other international cuisines. Baking, pastry, and dessert techniques will be demonstrated and practiced.

Prerequisites: Introduction to Culinary Arts

Required Homework: Once a week

Other Requirements: A portfolio and a practical final

High School Requirement Met: Applied Technology

A-G Requirement Met: NA

CTE Advanced Foods and Nutrition (Grades 11-12, Semester Course)

The major emphasis of this course is to prepare students to understand the principles of nutrition as they apply to selection and preparation of foods. Students will study meal management while learning to meet individual and family food needs as they relate to patterns of living

Prerequisites: Foods and Nutrition with a grade of "C" or better.

Expected Homework: Once or twice a week

Other Requirements: A food demonstration, bi-weekly tests, a notebook project and a final project

High School Requirement Met: Applied Technology

A-G Requirement Met: NA

Introduction to Culinary Arts (Grades 9-12, Year-long Course)

Introduction to Culinary Arts is the introductory course in the Food Service and Hospitality CTE Pathway. This course offers students a hands-on education in kitchen safety and sanitation, food preparation, and basic nutrition. Cooking skills and techniques are emphasized with a focus on industry standards. Students will have embedded lessons on kitchen math (measuring & converting), kitchen terminology, and etiquette. Finally, students will identify pre-professional associations and careers in the food and nutrition industries.

Prerequisites: None

Required Homework: Once a week

Other Requirements: A food demonstration, a portfolio and a practical final.

High School Requirement Met: Applied Technology

A-G Requirement Met: NA

Stage Crew (Grades 9-12, Semester Course)

In this course, students will be introduced to skills and knowledge needed to become competent in the use of professional live stage sound/lighting production equipment. Students will participate in projects, activities, lectures, and live stage productions that build the technical skills needed to successfully support a live ECRCHS production.

Students will also gain experience through audio/visual support of other campus events.

Prerequisites: NA

Expected Homework: As per teacher

Other Requirements: As per teacher

High School Requirements Met: Applied Technology

A-G Requirement Met: NA

Theatre Directing (Grades 9-12, Semester Course)

Course provides experience for students advanced in theater arts training. Students have the opportunity to select, cast, direct, and produce a one-act play for public performance.

Prerequisite: Department permission

Expected Homework: As needed to meet deadlines

High School Requirement Met: Applied Technology

A-G Requirement Met: NA

Wood 1AB (Grades 9-12, Semester Course)

This course provides an overview of the fields of carpentry, cabinetmaking, furniture construction and related occupations. Students learn measuring, purchasing, and grading of wood, then plan, draw, and construct a simple woodworking project using hand and power tools. Shop organization and safety are included.

Prerequisites: None

Expected Homework: None

Other Requirements: None

High School Requirement Met: Applied Technology

A-G Requirement Met: NA

Wood 2/3AB (Grades 9-12, Semester Course)

This course provides an overview of the fields of carpentry, cabinetmaking, furniture construction and related occupations. Students learn measuring, purchasing, and grading of wood, then plan, draw, and construct a simple woodworking project using hand and power tools. Shop organization and safety are included.

Prerequisites: Approval of teacher

Expected Homework: None

Other Requirements: None

High School Requirement Met: Applied Technology

A-G Requirement Met: NA

ELECTIVES (GENERAL)

Academic Decathlon:

Academic Decathlon is an interdisciplinary academic competition designed to include students from all achievement levels. Teams consist of nine members, who are divided into three divisions based on grade point average:

<u>Category</u>	<u>GPA (last 4 semesters)</u>
<i>Varsity</i>	1.00 – 3.199 GPA
<i>Scholastic</i>	3.20 – 3.799 GPA
<i>Honors</i>	3.8 – 4.0 GPA

Each team member competes in all ten events (art, economics, essay, interview, literature, mathematics, music, science, social science, and speech) against other students in his or her division. Gold, silver, and bronze medals are awarded for individual events as well as for overall scores.

Leadership (Grades 9-12, Annual or Semester Course)

This class provides students an opportunity to gain practical leadership experience by organizing worthwhile school activities, conducting these activities democratically, building school morale and serving on school committees and performing community service.

Prerequisites: Elected or appointed

Expected Homework: Depends on extent of events. Much of the work is done during the school day.

Other Requirements: Organize events, preliminary reports, final reports, planning sheets, calendars, public relations, advertising, time for ticket sales and events.

High School Requirement Met: Elective

A-G Requirement Met: NA

School Service/Teacher's Assistant (Grades 9-12, Semester Course)

The major emphasis of this course is to provide students with opportunities to develop the knowledge, skills, and attitudes that will prepare them for the world of work and to achieve personal fulfillment through productive service. Students may be assigned to serve in a school laboratory, cafeteria, or student store or to work for a department chairperson, teacher, office, or other staff member under the supervision of a certificated person.

Prerequisites: Teacher / staff / office approval

Expected Homework: None

Other Requirements: None

High School Requirement Met: Elective

A-G Requirement Met: NA

Study Skills (Grades 9-12, Semester Course)

The Study Skills class is designed to support student understanding and reinforce concepts and/or assignments presented in the general curriculum. Students will have the opportunity to learn strategies through various instructional methods and develop and strengthen study habits, communication skills, and goal setting abilities. The overall goal of the class is to guide students academically throughout the semester by providing academic resources, study skills strategies, and social/emotional support. Additionally, the class will help students with time management skills, goal setting, and academic preparedness.

Prerequisites: None (Counselor referral)

Expected Homework: None

Other Requirements: None

High School Requirement Met: Elective

A-G Requirement Met: NA

Tutoring Service (Grades 9-12, Semester Course)

The major emphasis of this course is to provide capable students with opportunities to teach other students concepts and skills required in their studies.

Prerequisites: Teacher / staff / office approval

Expected Homework: None

Other Requirements: None

High School Requirement Met: Elective

A-G Requirement Met: NA

Work Experience (Grades 11-12, Annual or Semester Course)

Work Experience Education involves student participation in planned, supervised learning on a job, requiring adult standards of performance scheduled during the regular school day on an equal basis with other school courses. Credit is granted only when the work experience is approved, programmed, coordinated, and supervised by school representatives, and is satisfactorily performed by the student. Employers must provide worker's compensation insurance for the students they employ. Students may enroll in Work Experience for a minimum of five credits a semester or a maximum of ten credits a semester. A total of 40 credits may be earned in grades 11 – 12.

Prerequisites: At least 16 years of age, or in grades 11 or 12

Other Requirements: For five credits of Work Experience, students must work a minimum of 180 hours a semester, for ten credits, they must work 270 hours. These hours must be worked on at least three school days each week and must be distributed over a maximum of 15 weeks during the semester. Students must submit their paycheck stubs to verify the hours worked. Twenty hours of related instruction is required for all students earning Work Experience credit. Students meet twice weekly during the semester before school to fulfill this requirement.

High School Requirement Met: Elective

A-G Requirement Met: NA

Yearbook (Grades 9-12, Annual or Semester Course)

This course publishes the school yearbook and provides learning experience in journalism, photojournalism, layout design, graphic design, desktop publishing, and marketing.

Prerequisite: Excellent work habits with names of 2 teachers that could provide recommendations upon request; interest in learning or improving skills in photography, writing, and design; Experience with those skills is preferred but not at all necessary.

Other Requirements: Yearbook students will need to attend campus events and games to interview other students and take photos. This will require yearbook students to stay after school on some days.

High School Requirement Met: Elective

A-G Requirement Met: NA

ENGLISH AND ELD COURSES

ENGLISH 9 COURSES

English 9AB (Grade 9, Annual Course)

This course presents an integrated language arts curriculum. Students practice reading, writing, speaking, listening, and thinking. They interpret and reflect on a sampling of English and world literature; discuss issues; and write paragraphs, business letters, and short essays.

Prerequisites: English 8AB

Expected Homework: Approximately three hours a week

Other Requirements: Reading additional fiction and nonfiction, developing vocabulary, using technology for research, writing a library paper, and producing group project/s. Recreational reading is encouraged.

High School Requirement Met: 9th grade English

A-G Requirement Met: B (English)

English 9AB Honors (Grade 9, Annual Course)

In addition to the core works of the English 9AB integrated language arts curriculum, extended reading includes more challenging selections. Students write interpretive and reflective essays. This class is qualitatively different from English 9AB.

Prerequisites: English 8AB Honors and counselor recommendation

Expected Homework: Approximately five hours a week

Other Requirements: Extended and independent reading of additional fiction and nonfiction, developing vocabulary, using technology for research, composing a library paper, and producing group project/s.

High School Requirement Met: 9th grade English

A-G Requirement Met: B (English)

ENGLISH 10 COURSES

English 10AB (Grade 10, Annual Course)

Continuing the integrated language arts curriculum, this class reinforces and extends communication skills. Students participate in a prescribed and independent reading program, which focuses on English and world literature and includes novels, plays, short stories, biography, essays, and poetry. Students compose descriptive paragraphs and essays to support opinion, to persuade, to speculate about cause and effect, and to evaluate.

Prerequisites: English 9AB

Expected Homework: Approximately three hours a week

Other Requirements: Reading additional fiction and nonfiction, developing vocabulary, reviewing research skills, and producing group project/s.

High School Requirement Met: 10th grade English

A-G Requirement Met: B (English)

English 10AB Honors (Grade 10, Annual Course)

The course surveys literature from the ancient world epics to modern novels, encompassing a number of major writers, cultures, and important genres and themes. The course aims to provide a foundation for understanding literature by focusing on the historical and cultural contexts in which the literature was written and the changing conventions it employs. As such, you will be expected to learn/remember a fair amount of history: names, dates, and cultural terminology.

Prerequisites: English 9AB Honors with a B or better and portfolio assessment

Expected Homework: Approximately five hours a week

Other Requirements: Extended and independent reading of additional fiction and nonfiction, developing vocabulary, reviewing research skills, composing a literature-based library paper, and producing group project/s.

High School Requirement Met: 10th grade English

A-G Requirement Met: B (English)

ENGLISH 11 COURSES

American Literature/Contemporary Composition AB (Grade 11, Annual Course)

This course provides understanding of recurrent themes and genres in U.S. Literature. Instruction focuses on integrated language arts and developing the writing process. Activities include writing for personal, vocational, and academic purposes; speaking effectively in group discussion; and critical thinking.

Prerequisites: English 10AB

Expected Homework: Approximately three hours a week

Other Requirements: Independent reading, vocabulary study, library paper/project, and group project/s

High School Requirement Met: English

A-G Requirement Met: B (English)

American Literature/Contemporary Composition AB Honors (Grade 11, Annual Course) This course focuses on American writing and cultural values from the early Native Americans through the 21st century all while enhancing college readiness. Beginning with the Native American oral traditions and strict Puritan writings, journeying through times of witch trials, slavery, Transcendentalism, segregation and world wars, Postmodernism, and ending with poetry, stories, and nonfiction from the writers of today. This course focuses on the diversity of American life while enhancing reading, writing, vocabulary, listening, speaking, and comprehension skills outlined in the Common Core Standards. Students will evaluate the argumentative philosophies of great American thinkers and reflect on their credibility while inherently reflecting on their own biases and perspectives. Communication skills will be developed through analyzing the persuasive art of famous, effective American speeches as students learn to deliver their own meaningful speeches. As critical thinkers, students will be prepared to be engaged citizens who can reflect on the literature of the American past in order to secure a better future.

Prerequisites: Honors English 10AB Honors with a B or better.

Expected Homework: Approximately four hours a week

Other Requirements: Library research/project, class participation, oral presentations vocabulary study

High School Requirement Met: English

A-G Requirement Met: B (English)

Advanced Placement English Language AB (Grade 11, Annual Course)

Aligning itself with the objectives of the College Board AP Central, this course is designed “to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers” while “enabling students to write effectively and confidently in their college courses across the curriculum and in their professional and personal lives.” Additionally, this course will satisfy the required breadth of material consistent with two semesters of American Literature. The course surveys American literature from the Puritan period to the twentieth century, encompassing a number of major writers and important genres and themes. The course aims to provide a basic context for understanding literature written during this period of literary history by focusing on the historical and cultural contexts in which the literature was written and the changing conventions it employs. As such, you will be expected to learn/remember a fair amount of history: names, dates, and cultural terminology. This is a crash course on all the chronological background you may have missed out on but which is crucial for understanding the origins and early development of western culture.

Prerequisites: Honors English 10AB with a B or better and portfolio assessment.

Expected Homework: Approximately four hours a week.

Other Requirements: Assigned summer reading, library research/project, class participation, oral presentations, and vocabulary study.

High School Requirement Met: English

A-G Requirement Met: B (English)

ENGLISH 12 COURSES

Expository Reading and Writing (ERWC) (Grade 12, Annual Course)

This course provides practice in writing paragraphs and essays from a definite point of view or thesis and in using reason and evidence to explain and persuade. Students practice the writing process with emphasis on revising and editing. Literature study focuses on representative pieces of modern world literature, interpretation, and discussion of issues.

Prerequisites: American Literature and Contemporary Composition

Expected Homework: Approximately three hours a week.

Other Requirements: A research paper, interviews, oral presentations and group project/s

High School Requirement Met: English

A-G Requirement Met: B (English)

Advanced Composition/English Literature Honors (Grade 12, Annual Course)

This course develops the ability to write analytical/expository essays through formulation of thesis, logical arrangement of ideas, and thorough presentation of evidence. It prepares students for college placement, for example, the CSU English Placement Test (EPT), and the UC Subject A. Students study representative selections of major authors from Great Britain. Activities stress interpretation, increasing knowledge and understanding of the historical context of the literature, and the development of critical and imaginative faculties.

Prerequisites: American Literature / Composition Honors with a B or better – and portfolio assessment.

Expected Homework: Approximately four to five hours a week.

Other Requirements: Independent reading of two full length works, a literature-based research project, and some creative writing.

High School Requirement Met: 12th grade English

A-G Requirement Met: B (English)

Advanced Placement English Literature and Composition AB (Grade 12, Annual Course)

Designed for the honors student, this college level course focuses on reading challenging literature and writing mature interpretation. Students examine the historical and cultural context of the literature, discuss major issues, analyze style, and prepare for the Advanced Placement Examination in English Literature and Composition, for which they may receive college credit.

Prerequisites: American Literature and Composition Honors with an A or Advanced Placement English Language / American Literature Honors with a B or better – and both portfolio assessment and teacher recommendation.

Expected Homework: Approximately five to six hours per week

Other Requirements: Assigned summer reading; library research, including electronic sources; one literature-based research paper each semester; class participation; oral presentations; and group projects.

High School Requirement Met: 12th grade English

A-G Requirement Met: B (English)

ELD COURSES

ELD Beginning 1AB, Double Period (Grades 9-12, Semester Course)

The focus of this course is to improve overall English language skills and academic language in English, including speaking, listening, reading, and writing skills. To accomplish this goal we use the Hampton-Brown Highpoint instructional program that was adopted by LAUSD and ECR.

These programs provide a way to organize instruction in the classroom that involves teacher-directed instruction utilizing small-group rotations. After being assessed, students will be placed in an appropriate English level and their instruction will vary accordingly. Students will be taught to the Common Core State Standards, ELD Standards, and towards meeting ECR's *Student Learning Outcomes*.

Prerequisites: LAS-O

Expected Homework: One hour daily

Other Requirements: Student should carry a bilingual dictionary to all classes as needed

High School Requirement Met: Elective

A-G Requirement Met: None

ELD Intermediate 2AB, Double Period (Grades 9-12, Semester Course)

The focus of this course is to improve overall English language skills and academic language in English, including speaking, listening, reading, and writing skills. To accomplish this goal, we use the Hampton-Brown Highpoint instructional program that was adopted by LAUSD and ECR.

These programs provide a way to organize instruction in the classroom that involves teacher-directed instruction utilizing small-group rotations. After being assessed, students will be placed in an appropriate English level and their instruction will vary accordingly. Students will be taught to the Common Core State Standards, ELD Standards, and towards meeting ECR's *Student Learning Outcomes*.

Prerequisites: Completion of ELD 1

Expected Homework: One hour daily

Other Requirements: Students should carry a bilingual dictionary to all classes as needed

High School Requirement Met: Elective

A-G Requirement Met: None

ELD Advanced 3AB, Double Period (Grades 9-12, Semester Course)

The focus of this course is to improve overall English language skills and academic language in English, including speaking, listening, reading, and writing skills. To accomplish this goal, we use the Hampton-Brown Highpoint instructional program that was adopted by LAUSD and ECR.

These programs provide a way to organize instruction in the classroom that involves teacher-directed instruction utilizing small-group rotations. After being assessed, students will be placed in an appropriate English level and their instruction will vary accordingly. Students will be taught to the Common Core State Standards, ELD Standards, and towards meeting ECR's *Student Learning Outcomes*. Credit is given for English 9A.

Prerequisites: Completion of ELD 2

Expected Homework: One hour daily

Other Requirements: Student should carry a bilingual dictionary to all classes as needed

High School Requirement Met: English 9A

A-G Requirement Met: B (English)

ELD Advanced 4AB, Double Period (Grades 9-12, Semester Course)

The focus of this course is to improve overall English language skills and academic language in English, including speaking, listening, reading, and writing skills. To accomplish this goal we use the Hampton-Brown Highpoint instructional program that was adopted by LAUSD and ECR.

These programs provide a way to organize instruction in the classroom that involves teacher-directed instruction utilizing small-group rotations. After being assessed, students will be placed in an appropriate English level and their instruction will vary accordingly. Students will be taught to the Common Core State Standards, ELD Standards, and towards meeting ECR's *Student Learning Outcomes*. Credit is given for English 9B.

Prerequisites: Completion of ELD 3

Expected Homework: One hour daily

Other Requirements: Students should carry a bilingual dictionary

High School Requirement Met: English 9B

A-G Requirement Met: B (English)

ADDITIONAL ENGLISH COURSES**Journalism 1AB** (Grades 9-12, Semester or Annual Course)

Course includes introductory training in writing news stories, feature articles, and editorials, and headlines for school newspapers. Culminating project involves working in a staff to produce a 4-page mock newspaper.

Prerequisites: None

Expected Homework: Approximately two hours a week

Other Requirements: Tests, quizzes and articles

High School Requirement Met: English

A-G Requirement Met: B (English)

Journalism 2AB (Grades 11-12, Semester or Annual Course)

Students strengthen and refine writing techniques through writing for the school newspaper, covering news beats, and meeting deadlines. Students learn to write news and feature stories, editorials, and reviews.

Prerequisites: Journalism 1AB or Journalism teacher's approval

Expected Homework: As needed to meet deadlines and fulfill requirements of assigned position

Other Requirements: None

High School Requirement Met: English

A-G Requirement Met: B (English)

Speech A (Grades 9-12, Semester Course)

This course provides experience in the study of speech fundamentals, practice in public speaking, and exercises in critical thinking. Content includes informal and formal speaking, panel discussions, oral interpretation of literature, beginning debate and drill in voice and speech mechanics.

Prerequisites: None

Expected Homework: Approximately three hours a week

High School Requirement Met: English

A-G Requirement Met: B (English)

Speech B (Grades 9-12, Semester Course)

Assignments in this course build upon Speech A exercises requiring longer speeches, more independent preparation, and more refined public speaking skills. Curriculum includes teaching and demonstrating Speech A lessons.

Prerequisites: Speech A or teacher permission

Expected Homework: Approximately three hours a week

High School Requirement Met: English

A-G Requirement Met: B (English)

Writers Seminar AB (Grade 12, Annual Course)

This class provides opportunities to explore, develop, extend and refine writing as a creative, empowering expression of observations, emotions, and ideas. In examining differences in style, each student is encouraged to discover her/his unique voice as a writer. Topics are both assigned and student generated, encompassing numerous genres including short story, poetry, rap, spoken word, personal narrative, comedy sketch, music lyrics, and scripts for theatre, TV, and film. All pieces are shared orally and peer review is utilized in relation to theme, style, tone, and audience impact. Editing and rewriting are major components of the class. Professional writers and alumnae lead writing workshops and provide opportunities for internships and public performances. The class culminates in a student-directed, staged reading showcase of the students' best work.

Prerequisites: English 9AB, English 10AB, American Lit & Contemporary Composition

Expected Homework: Approximately three hours a week

Other requirements: Teacher approval

High School Requirement Met: English

A-G Requirement Met: B (English)

HEALTH/COLLEGE AND CAREER COURSES

Health (Semester Course)

This course emphasizes the development of concepts, attitudes and skills necessary to make effective health decisions. The topics covered are personal health, consumer and community health, injury prevention and safety, alcohol, tobacco, and other drugs, nutrition, environmental health, family living, individual growth and development, communicable and chronic diseases. Some aspects of human reproduction and sexually transmitted diseases are covered.

Prerequisites: None

Expected Homework: Minimal

Other Requirements: None

High School Requirement Met: Health

A-G Requirement Met: None

College & Career (Semester Course)

This course prepares students to succeed in high school and to set goals for postsecondary education and careers. This course exposes students to a range of potential careers and helps them develop the skills, the attitudes, and the behaviors they will need to embark upon their lives as young adults. Students will learn to solve real-world issues that are relevant to their lives, using critical and analytical thinking, collaboration and technology.

Prerequisites: None

Expected Homework: Minimal

Other Requirements: None

High School Requirement Met: Elective

A-G Requirement Met: None

MATHEMATICS COURSES

Advanced Applied Mathematics AB (Grades 11-12, Annual Course)

This course covers measurements in Geometry, such as comparing weights, capacities, geometric measures and time and temperatures; constructing and reading drawings and models to scale; finding perimeters, areas and volumes of common geometric shapes and objects; the Pythagorean Theorem and an understanding of plane and solid geometric shapes; statistics analysis and probability; and everyday real life world problems, in addition to developing critical thinking and generalizations of the results obtained and strategies used and their applications.

Prerequisites: Passed Algebra 1B1 and 1B2 with a D.

Expected Homework: Daily

Other Requirements: Pass tests.

High School Requirement Met: Mathematics

A-G Requirement Met: C (Mathematics)

Advanced Placement Calculus AB (Grades 11-12, Annual Course)

This is a college course and is intended for students who have a thorough knowledge of college preparatory mathematics. Emphasis is on stressing derivatives and their ions, differentials, anti-differentiation, definite integrals, application of integration, including areas and volumes, logarithmic, exponential, and trigonometric functions; solid analytic geometry, and an introduction to differential equations. Students may receive advanced placement or college course credit course if they qualify on the AP exam.

Prerequisites: Algebra 2AB and Math Analysis AB

Expected Homework: Daily; graphic calculator required; TI-83 recommended

Other Requirements: Pass tests

High School Requirement Met: Mathematics

A-G Requirement Met: C (Mathematics)

Advanced Placement Calculus BC (Grades 11-12, Annual Course)

This college level class prepares students for the Advanced Placement Calculus BC Exam. Topics included are the precise definition of limits and continuity, the derivative, and techniques of differentiation, applications of the derivative, area under a curve, integrals and the fundamental theorem, numerical methods of integration, integration techniques and application, analysis of parametric and polar curves, improper integrals, vector-valued functions, infinite series, and elementary linear differential equations.

Prerequisites: Algebra 2AB and Math Analysis AB

Expected Homework: Daily; TI-83 graphic calculator required

Other Requirements: Pass tests

High School Requirement Met: Mathematics

A-G Requirement Met: C (Mathematics)

Advanced Placement Statistics (Grades 11-12, Annual Course)

Statistics is a tool used by people in many disciplines to understand processes and make decisions. The course is designed for the mathematically mature student who has completed Algebra 2 successfully. This course is built around four main topics: exploring data, planning a study, probability as it relates to distributions of data, and inferential reasoning. It also covers areas which are supplemental to the traditional secondary mathematics curriculum.

Prerequisites: Algebra 2B or Math Analysis AB

Expected Homework: Daily; TI-83 graphic calculator highly recommended

Other Requirements: Pass tests

High School Requirement Met: Mathematics

A-G Requirement Met: C (Mathematics)

Algebra 1AB (Grades 9-12, Annual Course)

This course prepares students to organize their thoughts, to solve problems and to prepare for continued studies in mathematics science. The student will master elementary word problems and apply formulas. Instructional units will include: real numbers, solving linear quadratic and rational equations, square roots, factoring and graphs. This course is taught as a one year (two semesters) or two-year course (four semesters).

Prerequisites: None

Expected Homework: Daily

Other Requirements: Pass tests

High School Requirement Met: Mathematics

A-G Requirement Met: C (Mathematics)

Algebra 2AB (Grades 9-12, Annual Course)

This course extends the mathematical content of Algebra 1AB and Geometry AB. Abstract thinking skills, function concept, and Algebraic solution of problems are emphasized. This includes the understanding of problems and graphical solutions to problems. Calculators and computers may be used throughout to aid in solution of problems and in verification of estimates and approximations.

Prerequisites: Algebra 1AB and Geometry AB

Expected Homework: Daily; TI-83 calculator recommended, scientific calculator required

Other Requirements: Pass tests

High School Requirement Met: Mathematics

A-G Requirement Met: C (Mathematics)

Algebra 2AB Honors (Grades 9-12, Annual Course)

This course covers the same material as Algebra 2 but in more depth, and it extends the study of algebra to include enrichment topics such as probability and statistic, linear programming, Algebraic structures (groups, rings, fields), and isomorphic mappings. The course is designed for the very capable student who is highly motivated in mathematics.

Prerequisites: Algebra 1AB and Geometry AB

Expected Homework: Daily; TI-83 graphic calculator recommended

Other Requirements: Pass Tests

High School Requirement Met: Mathematics

A-G Requirement Met: C (Mathematics)

Geometry AB (Grades 9-12, Annual Course)

This course provides a basic foundation in the study of spatial and logical aspects of mathematics, learning the relationships between and properties of geometric figures, applying formulas to define perimeters, areas, volumes and surface areas of two- and three-dimensional figures. This is a fundamental college preparatory math course and a prerequisite for Algebra 2AB and Math Analysis.

Prerequisite: Algebra 1AB

Expected Homework: Daily; Scientific Calculator recommended

Other Requirements: Pass tests

High School Requirement Met: Mathematics

A-G Requirement Met: C (Mathematics)

Mathematical Analysis AB (Grades 10-12, Annual Course)

This course emphasizes pre-calculus topics, trigonometry, equations of higher degree, algebraic functions, exponential functions, logarithmic functions, and their graphs. It explores conic sections from their definitions including translations and rotations, and quadratic surfaces.

Prerequisites: Algebra 2AB

Expected Homework: Daily; TI-83 graphic calculator highly recommended.

Other Requirements: Pass tests

High School Requirement Met: Mathematics

A-G Requirement Met: C (Mathematics)

Statistics and Probability AB (Grades 9-12, Annual Course)

This year-long, non-AP Statistics course is designed for students who either will not need calculus in their college studies or whose algebra skills would make pre-calculus challenging. It will cover the standard topics of an introductory statistics course: graphical representation of categorical and quantitative data, appropriate design of statistical surveys and experiments, probability, and statistical inference using normal, Student's t, and chi-square models. The course concentrates on hands-on analysis of real-world problems and involves considerable group work. Students will use TI 84 or TI nSpire calculators to perform the statistical calculations required by the course; students interested in using Excel spreadsheets or the R programming language for statistics will also be supported.

Prerequisite: Algebra 2B

Expected Homework: Daily; TI-83 graphic calculator highly recommended

Other Requirements: Pass tests

High School Requirement Met: Mathematics

A-G Requirement Met: C (Mathematics)

MILITARY SCIENCE

NJROTC 1, 2, 3, 4 AB (Grades 9-12, Annual Course)

This course provides students the opportunity to develop citizenship, self-discipline, and leadership skills through hands on learning experiences and increasing responsibility over four years. The program emphasizes teamwork, competition, and community service. Cadets will participate in physical training, military drill, uniform inspections, and academics on a weekly basis. Successful completion of this course prepares students for appointments to the Naval Academy, West Point, or the Air Force Academy as well as the possibility of a \$180,000 college ROTC scholarship.

Prerequisite: Levels must be completed sequentially

Expected Homework: Minimal

Other Requirements: Community service each semester

High School Requirement Met: Physical Education

A-G Requirement Met: NA

PHYSICAL EDUCATION COURSES

PE COURSES

Adapted Physical Education (Grades 9 – 12)

Students who are approved by the individualized Education Program (IEP) Team, may participate in adapted physical education if they are unable to participate in regular physical education. This course stresses movement activities planned to promote maximum optimum motor development. It also provides the student with special activities to help correct or improve his/her condition.

Prerequisite: Recommendation by the IEP team

Expected Homework: None

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Advance Physical Education 1AB (Grade 9)

The major emphasis is to enable the student to experiment and further refine the skills needed in one or more of the activities offered. The course covers the physical and mechanical principles of movement, their interrelationship, and their effects on the performer. Strength training and cardio are incorporated into the class.

Prerequisite: None

Expected Homework: Study and understand worksheets.

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Advance Physical Education 2AB (Grades 9 - 12)

The major emphasis is to expand skills acquired in Grade 9 and to teach or refine further the skills needed in activities offered. The course covers the physical and mechanical principles of movement and their effects on the performer, and it also provides for acquisition of skills necessary to participate on an advanced level. Strength training and cardio are incorporated into the class.

Prerequisite: None

Expected Homework: Study and understand worksheets.

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Aerobics (Grades 9 - 12)

Aerobics is a fitness class that includes both aerobic and anaerobic activity. Activities are designed to burn calories, increase cardiovascular endurance, and strengthen muscles.

Prerequisite: None, but priority even given to grades 10-12

Expected Homework: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Body Conditioning (Grades 9 - 12)

To provide opportunity for students to develop muscular strength and power through progressive weight training and cardiovascular conditioning. Includes fundamental skill techniques, safety rules, and systemic methods of progressive muscle development.

Prerequisites: None

Expected Homework: Development and maintenance of workout card.

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Dance Choreography and Production (Grades 9 - 12)

Enables students to use the body creatively as a means of communication and expression. The instruction encourages the student, through movement, to explore time, space, force, design, and rhythm. Students have an opportunity to develop and improve flexibility, strength, endurance, balance, and coordination, as well as dance techniques.

Prerequisites: Teacher approval **Expected Homework:** None **Other Requirements:** None

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Tennis Class (Grades 9 - 12)

This course enables students to develop and refine the skills of tennis. The course covers fundamental skills, rules, scoring, etiquette, strategy, court positioning, equipment selection, and game play.

Prerequisites: None **Expected Homework:** None **Other Requirements:** None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

SPORTS TEAMS**Baseball Team** (Grades 9 -12: Varsity, Junior Varsity, and Freshmen)

The emphasis is to gain skills and knowledge of fundamental techniques, practice in drills and game skills, offensive and defensive strategies and knowledge of the rules of baseball. Students will participate in interscholastic competitions.

Prerequisite: Approval of coach **Expected Homework:** None

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Basketball Team (Grades 9 - 12: Varsity, Junior Varsity, and Frosh/Soph)

The course offers students opportunities to develop and refine the basic skills of passing, catching, and to study the skills of pertinent shooting and rebounding. It covers fundamental skills, courtesy, strategy, and practice in drills and in interscholastic competition.

Prerequisite: Approval of coach

Expected Homework: None

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Cheerleading (Grades 9 - 12: Varsity and Junior Varsity)

Provides an opportunity for skilled students to develop routines and to perform before an audience. The course helps students to develop leadership skills and increase their knowledge of techniques to promote enthusiasm. Students will be taking part in cheerleading competitions.

Prerequisites: Consent of sponsor

Expected Homework: None

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Cross Country Team (Grades 9 - 12)

Prerequisites: Consent of sponsor

Expected Homework: None

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Drill Team (Grades 9 - 12)

The major emphasis of this course is to provide the student with an opportunity to develop movement patterns by putting together basic marching maneuvers in new and unusual arrangements. The course provides an opportunity for the student to perform before an audience and in competitions.

Prerequisites: Approval of sponsor

Expected Homework: None

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Flag Football (Grades 9 – 12)

Prerequisites: Approval of coach

Expected Homework: None

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Football Team (Grades 9 - 12: Varsity and JV)

Prerequisites: Approval of coach

Expected Homework: None

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Golf Team (Grades 9 - 12)

Prerequisites: Approval of coach

Expected Homework: None

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Lacrosse Team (Grades 9 - 12)

Prerequisites: Approval of coach

Expected Homework: None

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Marching Dynamics (Grades 9 - 12)

Prerequisites: Approval of coach

Expected Homework: None

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Off-Season Baseball (Grades 9 - 12)

A comprehensive class stressing the fundamental techniques and mechanics of baseball. Included is a specific weight training and conditioning unit designed for off-season conditioning and strength development.

Prerequisite: None

Expected Homework: Development and maintenance of workout card

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Off-Season Basketball (Grades 9 - 12)

A comprehensive course stressing fundamental techniques and strategies of basketball. Included is a specific strength and conditioning unit designed of off-season development.

Prerequisite: Approval of coach

Expected Homework: Development and maintenance of workout card

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Off-Season Softball (Grades 9 - 12)

Prerequisite: Approval of coach

Expected Homework: Development and maintenance of workout card

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Soccer Team (Boys / Girls) (Grades 9 - 12: Varsity and JV)

The emphasis is to gain skills and knowledge of fundamental techniques, practice in drills and game skills, offensive and defensive tactics and knowledge of the rules of soccer. Students will participate in interscholastic competitions.

Prerequisites: Approval of coach

Expected Homework: None

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Softball Team (Grades 9 - 12: Varsity and JV)

This course provides opportunities for students to gain skills and knowledge in playing softball. The course teaches throwing, batting, catching, and running skills. It includes individual skill development, game strategy, and knowledge of rules, safety rules and regulations, duties and specific skills of each player's position and practices in drills and interscholastic competitions.

Prerequisites: Approval of coach.

Expected Homework: None

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Tennis Team (Boys / Girls) (Grades 9 - 12)

Interscholastic competition provides students with daily drills, play, conditioning exercise, individual playoffs, and team playoffs.

Prerequisite: Approval of coach.

Expected Homework: None

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Track and Field Team (Grades 9 - 12)

This course enables students to develop and refine their skills in various types of track and field events. The course helps students to develop and refine the skills of running, jumping, and throwing. In track events, these skills are used in sprints, distance running, hurdles, and relay events, in high jump, pole vault, long jump, triple jump, discus, javelin, and shot put competition.

Prerequisite: Approval of coach

Expected Homework: None

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Volleyball Team (Grades 9 - 12: Varsity and JV)

This course provides opportunities for students to gain skill and knowledge in volleyball. It covers fundamental skills, courtesy, strategy, and practice in drills and in interscholastic competitions.

Prerequisites: Approval of coach

Expected Homework: None

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Wrestling Team (Grades 9 - 12)

This course offers students opportunities to develop and refine the skills of wrestling. It provides training in physical contact of a competitive nature. It promotes mastery of fear that may arise from anticipation of violent personal contact. Included are takedowns, breakdowns, reverses and escapes, pinning combinations, counter for takedowns, scoring and rules, care of the mat, safety precautions, and offensive and defensive strategies. Students participate in interscholastic competitions.

Prerequisites: Approval of coach

Expected Homework: None

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

Water Polo (Fall) Swim Team (Spring) Team (Grades 9 - 12)

Prerequisites: Approval of coach

Expected Homework: None

Other Requirements: None

High School Requirement Met: Physical Education

A-G Requirement Met: NA

SCIENCE COURSES

LIFE SCIENCE COURSES

Advanced Placement Biology (Grades 10 - 12, Annual Course)

The major emphasis of this course is on developing the investigative laboratory approach to the study of living things, detailed study of living systems, the cell, organizational levels, adaptive and non-adaptive change, and interdependence of the organism with its environment. Meets life science requirement for high school.

Prerequisite: Approval by teacher.

Expected Homework: 5-8 hours per week

Other Requirements: Additional hours for AP exam preparation

High School Requirement Met: Life Science

A-G Requirement Met: D (Laboratory Science)

Biology AB (Grades 10 - 12, Annual Course)

This course provides educational experiences in the basic biological principles: structural unit of life, chemical functioning of organisms, patterns of life, classification by observable structure, populations, community structure, ecological interrelationships, reproduction patterns, heredity, and adaptation and change in living things. Stress is on active student participation in laboratory investigations and the development of critical thinking skills. Meets life science requirement for high school.

Prerequisite: None

Expected Homework: 3 to 5 hours a week

High School Requirement Met: Life Science

A-G Requirement Met: D (Laboratory Science)

Biology AB - Honors (Grades 9 - 12, Annual Course)

This course covers in greater depth the topics in Biology AB. Stress is in active student participation in laboratory investigations and the development of critical thinking skills. Excellent preparation for AP Biology. Meets life science requirement for high school.

Prerequisite: None. Counselor approval if taken in grade nine.

Expected Homework: 4 to 5 hours per week

Other Requirements: Emphasis on lab work

High School Requirement Met: Life Science

A-G Requirement Met: D (Laboratory Science)

Physiology AB (Grades 11 - 12, Annual Course)

The major emphasis of this course is to involve the student in laboratory experiments, methods of scientific investigation, and critical thinking skills. It includes the study of the human body, cellular physiology, structure and function of the human body systems and proper nutrition and its relationship to health. Planned for students who have a special interest in nursing, medicine, and public health.

Prerequisite: Biology AB, Algebra 1AB

Expected Homework: 5 hours per week

Other Requirements: None

High School Requirement Met: Life Science

A-G Requirement Met: D (Laboratory Science)

Physiology AB - Honors (Grades 11 - 12, Annual Course)

The major emphasis of this course is on the study of the complementary relationships of human body functions and structure, homeostatic regulating mechanism, and the interaction between a human and his environment. Major emphasis is also placed on medical terminology as well as clinical problems and practices. Laboratory investigations and field studies equivalent in quantity and quality to an honors one-year biological science course are made.

Prerequisites: Biology AB, Algebra 1AB; high performance in science; teacher approval.

Expected Homework: 5 hours per week

Other Requirements: None

High School Requirement Met: Life Science

A-G Requirement Met: D (Laboratory Science)

PHYSICAL SCIENCE COURSES**Advanced Physical Science AB** (Grades 11 - 12, Annual Course)

The major purpose of this course is to provide an understanding of the nature of the physical environment. Concepts relating to the earth sciences, chemistry, and physics are explored. The content is to be a balance between these disciplines with the same rigor as courses in chemistry, the earth sciences, and physics. Because each specific content area is not covered in the same depth as an entire course in that discipline, this course is designed for students who wish to undertake a rigorous general study of the physical sciences.

Prerequisite: Biology AB (or equivalent)

Expected Homework: 5 hours per week

High School Requirement Met: Physical Science

A-G Requirement Met: D (Laboratory Science)

Chemistry AB (Grades 11 - 12, Annual Course)

The major emphasis of this course is to provide problem solving, laboratory investigation and independent measurement techniques. Introduces the mole concept in the study of compounds, gas laws, solutions, and ionization. Introduces atomic structure and orbital electron structure, the periodic law, acids, bases, salts, oxidation-reduction, organic chemistry, and reaction kinetics. Meets physical science for high school and is a conceptual based chemistry class focusing on California State Standards.

Prerequisite: Algebra 1AB, Biology AB (or equivalent)

Expected Homework: 5 hours per week

High School Requirement Met: Physical Science

A-G Requirement Met: D (Laboratory Science)

Honors Chemistry AB (Grades 10 - 12, Annual Course)

The major emphasis of this college prep course is to provide problem solving, lab investigation and independent measurement techniques. Introduces the mole concept in the study of compounds, gas laws, solutions, and ionization. Introduces atomic structure and orbital electron structure, periodic law, acids, bases, salts, oxidation-reduction, organic chemistry, and reaction kinetics. Meets physical science for high school.

Prerequisite: Geometry AB, Honors Biology AB (or equivalent)

Expected Homework: 5 hours per week

High School Requirement Met: Physical Science

A-G Requirement Met: D (Laboratory Science)

Advanced Placement Chemistry (Grades 11 - 12, Annual Course)

Advanced Placement Chemistry is designed to be taken after the successful completion of a first course in high school chemistry. The college course in general chemistry differs qualitatively from the usual first high school course in chemistry with respect to the kind of textbook used, the emphasis on in-depth chemical abstractions and calculations, and advanced laboratory experiments done by the students. Quantitative differences appear in the number and the variety of experiments in the laboratory. The course provides an in-depth study of kinetic theory of gases, structure of matter, chemical equilibrium, reaction kinetics, thermodynamics, oxidation-reduction, and organic chemistry. Meets physical science requirement for high school.

Prerequisites: Permit by Instructor. Algebra 1AB, Geometry AB, Biology AB, and Chemistry AB

Expected Homework: 5 to 8 hours per week

High School Requirement Met: Physical Science

A-G Requirement Met: D (Laboratory Science)

Computer Integrated Manufacturing AB (Grades 10 - 12, Annual Course)

In this specialization course, students are taught concepts of robotics and automated manufacturing by creating 3D designs with computer modeling software and producing computer-controlled models of their designs.

Prerequisite: Introduction to Engineering Design

Expected Homework: 3 to 5 hours a week

High School Requirement Met: Physical Science

A-G Requirement Met: D (Engineering)

Physics AB - Honors (Grades 11 - 12, Annual Course)

Physics is the study of different forms of energy and the physical changes which they produce in matter. The course focuses on mathematical models and laboratory study of the principles of motion, forces, energy, momentum, wave motion involving sound and light, electricity, and magnetism. Objects as small as subatomic particles, and as large as the universe, are studied. Physics provides credit towards the ECRCHS physical science graduation requirement. Physics serves as a foundational course for anyone interested in pursuing STEM as a potential career path.

Prerequisite: Biology AB or equivalent & Geometry AB or equivalent

Expected Homework: 3-4 hours per week.

Other Requirements: Concurrent enrollment in Algebra 2 or higher.

High School Requirement Met: Physical Science

A-G Requirement Met: D (Laboratory Science)

Advanced Placement Physics 1 (Grades 11 - 12, Annual Course)

This course is equivalent to a first-semester college course in algebra-based physics. The course covers Kinematics, Dynamics, Rotational Dynamics, Gravitation, Work-Energy-Momentum & power, Simple Harmonic Motion, and Fluid Dynamics. Students will have time to gain a greater depth of conceptual understanding through inquiry-based labs. Students will learn important science process skills such as explaining relationships, applying, and justifying the use of mathematical models, designing experiments, analyzing data, and making connections across multiple topics within the course. The AP Program recommends that colleges grant one semester of credit for a score of 3 or higher on the AP Physics 1 exam. Students receive a weighted grade for successfully completing the course with a grade of C or better.

Prerequisite: AP Biology/AP Environmental Science OR Honors Chemistry/H Physics; and/or teacher recommendation.

Expected Homework: 4-5 hours per week.

Other Requirements: Concurrent enrollment in Math Analysis or higher.

High School Requirement Met: Physical Science

A-G Requirement Met: D (Laboratory Science)

Advanced Placement Physics C (Grades 11 - 12, Annual Course)

AP Physics C: Mechanics and AP Physics C: Electricity and Magnetism form the first two semesters of college level physics for students majoring in the physical sciences or engineering. Topics include Kinematics, Dynamics, Work, Energy, Power, Momentum, Circular Motion, Rotation, Oscillations, Gravitation, Electrostatics, Circuits, Dielectrics, Magnetic Fields and EM Induction. The sequence is parallel to or preceded by mathematics courses that include calculus. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. This course is more intensive and analytic than AP Physics 1. Strong emphasis is placed on solving a variety of challenging problems, some requiring calculus.

Prerequisite: AP Physics 1; and/or teacher recommendation.

Expected Homework: 5 hours per week.

Other Requirements: Concurrent enrollment in AP Calculus BC or Higher.

High School Requirement Met: Physical Science

A-G Requirement Met: D (Laboratory Science)

Advanced Placement Environmental Science AB (Grades 11 - 12, Annual Course)

This elective course focuses on ecological concepts in context of both local and global environmental issues. Issues raised in the course range pollution, to resource limits, to population dynamics, and to possible solutions. The course integrates biology, geology, oceanography, atmospheric science, geography and sociology to increase environmental awareness. Field trips are planned in order to promote hands-on involvement.

Prerequisite: Teacher approval.

Expected Homework: 5 hours per week

Other Requirements: Additional hours for AP exam preparation

High School Requirement Met: Physical Science

A-G Requirement Met: D (Laboratory Science)

Introduction to Engineering Design (Grades 10 - 12, Annual Course)

Students are introduced to the engineering design process, applying math, science, and engineering standards to identify and design solutions to a variety of real problems. They work both individually and in collaborative teams to develop and document design solutions using engineering notebooks and 3D modeling software

Prerequisite: Biology AB

Expected Homework: 3 to 5 hours a week

High School Requirement Met: Physical Science

A-G Requirement Met: D (Engineering)

Principles of Biomedical Science (Grades 10 - 12, Annual Course)

Principles of Biomedical Science (PBS) serves to provide foundational knowledge and skills in fields such as biology, anatomy & physiology, genetics, microbiology, and epidemiology as well as engage students in how this content can be applied to real world situations, cases, and problems. Students will develop skills in technical documentation to represent and communicate experimental findings and solutions to problems.

Prerequisite: Biology AB

Expected Homework: 3 to 5 hours a week

High School Requirement Met: Life Science

A-G Requirement Met: D (Laboratory Science)

SOCIAL SCIENCE COURSES

WORLD HISTORY COURSES

World History & Geography: Modern World AB (Grades 10 - 12, Annual Course)

The focus of this course is on Western civilization from the Enlightenment to the present. A focus will be placed on the geography, philosophy, economics, culture, government, and history of different civilizations, and continuing social, political and economic trends. Students will be expected to make connections across time and nations to find enduring themes in our history.

Students will learn about historical events, ideas, and forces that have shaped and are shaping our world.

Prerequisites: None

Expected Homework: 3 to 4 hours per week

Other Requirements: Projects, presentations, geography work, note taking, reading primary source and secondary source documents, participation in class discussion, independent reviewing and studying; constant formative and summative assignments including written assessment.

High School Requirement Met: World History

A-G Requirement Met: A (History/Social Science)

Honors World History & Geography : Modern World AB (Grades 9 - 12, Annual Course)

Honors World History is a course designed to enhance a student's background in historical and contemporary events of the world. The breadth of the course is from the Enlightenment to the present. A focus will be placed on geography, philosophy, economics, culture, government, and history of different civilizations, and continuing social, political and economic trends. Students will be expected to make connections across time and nations to find enduring themes in our history. Different types of tests, including essays, will be given throughout the year.

Prerequisites: Counselor and/or teacher approval

Expected Homework: 4 to 5 hours per week

Other Requirements: Projects, presentations, geography work, note taking, reading primary source and secondary source documents, participation in class discussion, independent reviewing and studying; constant formative and summative assignments including written assessment.

High School Requirement Met: World History

A-G Requirement Met: A (History/Social Science)

Advanced Placement World History AB (Grades 10 - 12, Annual Course)

This is a full-year college level equivalent course in world history from about 8000 C.E. to the present. The course and AP exam highlight six overarching themes. These themes include: the impact of societal interactions, change and continuity across world history periods, impact of technology and demography, social and gender structures, cultural and intellectual developments, and functions and structures of the states. Course work goes beyond simple memorization of knowledge. Active student participation is a major component of the class. The class focuses on historical thinking skills including constructing and evaluating arguments, using primary documents, comparing societies/ major historical movements, assessing cause and effect, assessing change & continuity over time, and handling diverse historical interpretations.

Prerequisites: Approval by teacher

Expected Homework: 6 to 8 hours per week

Other Requirements: Essays, short answers questions, grappling with primary documents, map work, & occasional oral presentations

High School Requirement Met: World History

A-G Requirement Met: A (History/Social Science)

Advanced Placement European History AB (Grades 10 - 12, Annual Course)

This is a college level equivalent course. It is an in-depth study of European history from 1450 to the 1980's, with 3 major themes: (1) Political and Diplomatic History, (2) Intellectual and Cultural History, (3) Social and Economic History. Essay tests, note taking and research papers will help students to understand the nature of history and its interpretations. College course credit or advanced placement for students who qualify on the CEEB AP EXAM in European History.

Prerequisite: Teacher approval

Expected Homework: 3 to 4 hours per week

Other Requirements: Essay writing, map work, oral presentation, current events, research projects

High School Requirement Met: World History

A-G Requirement Met: A (History/Social Science)

U.S. HISTORY COURSES**U.S. History 20th Century AB** (Grades 11 - 12, Annual Course)

Students will learn about the people, politics, economics, geography, and events of United States History focusing on the events from the era of Reconstruction to the present day. The study includes related current events and a view of the U.S. in a global context. American institutions and values are compared and contrasted to those of other nations. Students will develop and improve their critical thinking, writing, speaking, reading, and note-taking skills in preparation for college courses.

Prerequisites: None

Expected Homework: 3 to 5 hours per week

Other Requirements: Map work, research projects, oral presentations, essay writing

High School Requirement Met: U.S. History

A-G Requirement Met: A (History/Social Science)

U.S. History 20th Century AB Honors (Grades 11 - 12, Annual Course)

Students will learn about the people, politics, economics, geography, and events of United States History focusing on the events from the era of Reconstruction to the present day. The study includes related current events and a view of the U.S. in a global context. American institutions and values are compared and contrasted to those of other nations. Students will develop and improve their critical thinking, writing, speaking, reading, and note-taking skills in preparation for college courses.

Prerequisites: None

Expected Homework: 3 to 5 hours per week

Other Requirements: Map work, research projects, oral presentations, essay writing

High School Requirement Met: U.S. History

A-G Requirement Met: A (History/Social Science)

Advanced Placement United States History (Grades 11 - 12, Annual Course)

This is a college level equivalent course. It emphasizes a variety of themes and approaches to U.S. History. Essay examinations, note taking from both printed material and lectures, and research papers are required. Students will learn to evaluate historical evidence and make extensive use of historical materials.

Prerequisites: Approval by teacher

Expected Homework: 3 to 4 hours per week

Other Requirements: Essay writing, map work, oral presentations current events, research project. Preparation for the advanced placement exam.

High School Requirement Met: U.S. History

A-G Requirement Met: A (History/Social Science)

AMERICAN GOVERNMENT COURSES

Principles of American Democracy (Grade 12, Semester Course)

This course examines our complex system of government, including the political and economic principles that underlie it. Students will analyze the founding documents, the electoral process, the separation of powers among three branches as well as state and federal governments, fiscal policy and taxation as well as the complex interrelationships of the U.S. economic system, the legal rights and obligations of citizens, and the importance of being an informed, active, voting member of American society.

Prerequisites: None

Expected Homework: 3 to 4 hours per week

Other Requirements: Current events, simulations, oral presentations, note-taking

High School Requirement Met: Government

A-G Requirement Met: A (History/Social Science)

Advanced Placement American Government and Politics (Grade 12, Semester Course) This course involves both the study of general concepts used to interpret American politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up the topics and some questions a student might choose to explore, such as: 1) Constitutional underpinnings of American government, 2) Political beliefs and behavior, 3) Political parties and interest groups, 4) Institutions and policy processes of the national government, and 5) Civil rights and civil liberties. Advanced Placement classes require extra time on the part of the teacher as well as the student. Therefore, a variety of themes and approaches to American Politics and Government will be used. Essay examinations, note taking from both printed material and lectures, research projects are required.

Prerequisites: Approval by teacher

Expected Homework: 3 to 4 hours per week

Other Requirements: Essay writing, oral presentations, current events, research projects, and preparation for the AP Exam.

High School Requirement Met: Government

A-G Requirement Met: A (History/Social Science)

ECONOMICS COURSES

Economics (Grade 12, Semester Course)

Emphasis of this course is on the basic principles of economics and on helping students to understand the demand-economic-system in which they live. This course will enable the student to gain a better understanding of how and why the U.S. economic system works and how individuals fit into the economy and influence it by their decisions.

Prerequisite: None

Expected Homework: 3 to 4 hours per week

Other Requirements: Current events, note taking, simulations, research projects

High School Requirement Met: Economics

A-G Requirement Met: A (History/Social Science)

Advanced Placement Macro Economics (Grade 12, Semester Course)

The curriculum is college preparatory, and basic math concepts are essential for many of the lessons covered. The course provides the basic groundwork for further study in preparation for the economics advanced placement test. Units covered include: 1) Economics history and thought, 2) The theory of the firm, 3) Forces of supply and demand in the market system, 4) The role of the government, 5) International trade, 6) Labor economics, and 7) Consumer rights and responsibilities. The class does require more study time than other economics courses offered here at school and students must have the ability to take notes and to prepare papers and essay questions.

Prerequisites: Department recommendation

Expected Homework: 3 to 4 hours per week

Other Requirements: College level performance and a research paper (cooperative learning assignment)

High School Requirement Met: Economics

A-G Requirement Met: A (History/Social Science)

ADDITIONAL SOCIAL SCIENCE COURSES

Advanced Placement Psychology (Grades 11 - 12, Annual Course)

This course covers the biological bases of behavior, sensation and perception, states of consciousness, learning cognition, motivation and emotion, developmental psychology, personality, testing and individual differences, abnormal psychology, treatment of psychological disorders, and social psychology.

Prerequisites: Approval by teacher

Expected Homework: 3 - 4 hours per week

Other Requirements: Oral presentation, note taking, notebook, research project

High School Requirement Met: Elective

A-G Requirement Met: G (College Preparatory Elective)

Introduction to Anthropology (Grades 11 - 12, Semester Course)

Anthropology is the study of man. Anthropology asks the questions "Who are we? Where did we come from? How did we get where we are today? Why are we different from each other? How can we better understand people who are different from us?" Anthropologists seek to understand human beings and the human experience in all their complexity, combining the best of different disciplines, of the sciences and humanities. Anthropology is a thriving, complex discipline that studies almost everything in human culture and history. It provides a different point of view in understanding the human experience. The objective of this is to gain a more complex understanding of the variety of human cultures on this planet, emphasizing their diversity and richness, as well as the common threads that tie all human societies together.

Additionally, this course aims to better understand Anthropology as an academic discipline that demonstrates how anthropologists are actively engaged -- they apply what they know, and work in real-world settings such as marketing firms, advertising, conducting research for universities/museums, and so much more. Finally, anthropology explores the general principles of social and cultural life and the characteristics of specific societies and cultures, encouraging students to establish an understanding of contemporary issues as war and conflict, the environment, poverty, problems of injustice, and human rights. This course also addresses the fundamental elements of physical or biological anthropology.

Prerequisites: None

Expected Homework: 3 - 4 hours per week

Other Requirements: Oral presentation, note taking, notebook, and research project

High School Requirement Met: Elective

A-G Requirement Met: G (College Preparatory Elective)

Introduction to Psychology (Grades 11 - 12, Semester Course)

The goal of this semester-long introductory-level college preparatory survey class is for students to gain an academic understanding of psychology. Psychology, as a study, examines behavior and mental functions. Students will learn about what psychology is, and the many different perspectives and research methods used to approach the field, the anatomy of the brain and how the brain develops, and various aspects from the learning process, memory, language & intelligence, sensation & perception, human development, personality, gender and sexuality, psychological disorders and treatments, as well as many of the famous experiments that have led us to our current understanding of the mind and behavior.

Prerequisites: None

Expected Homework: 3 - 4 hours per week

Other Requirements: Oral presentation, note-taking, writing, critical thinking, research projects, class discussion/ participation, continuing formative assessments

High School Requirement Met: Elective

A-G Requirement Met: G (College Preparatory Elective)

VISUAL PERFORMING ARTS COURSES

FINE ARTS COURSES

Advanced Design AB (Grades 9 - 12, Annual Course)

Advanced Design concentrates on the creative thinking, technical skills, and practical experiences students need to pursue a career in either graphic design, illustration, fashion/textile design, photography, or other similar careers in two-dimensional visual design. This yearlong course challenges students to produce a portfolio of work that represents both a breadth of understanding as well as a focused concentration in an area of interest to them, all within the realm of two-dimensional design. The design portfolio may include a variety of media and concepts including, but not limited to graphic design, illustration, fashion design/illustration, digital imaging, media design, and photography. As a design course, portfolio development will involve purposeful decision making about how to use the elements of art and principles of design in an integrative way while investigating a variety of concepts and approaches in design, including techniques, composition, execution of ideas, and creative problem-solving.

Prerequisite: Design AB

Expected Homework: Research on visual communication techniques, i.e. advertisements product design.

Other Requirements: None

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Advanced Drawing AB (Grades 10 - 12, Annual Course)

This course explores new approaches to drawing, using previously learned basic drawing skills. These basic skills are utilized to build advanced approaches for artistic expression. The subjects vary as do the media which include charcoal, oil pastel, pencil, watercolor, pen and ink, mono print, color pencil, etc. Other skills include using the digital camera, taking photos for portraiture, and principles of composition. All instruction culminates in a final project. Advanced drawing provides a focused development of essential drawing skills, as well as exposing the student to contemporary approaches to drawing. Basic and advanced compositional issues are explored requiring the student not only to develop various drawing techniques but design understanding. Drawing approaches include gesture drawing, contour drawing, structural drawing, two- and three-point perspective, use of the grid, calligraphic line etc.

Prerequisite: Drawing AB

Expected Homework: Weekly sketchbook

Other Requirements: Ability to demonstrate perspective, proportions, value scales, critiquing, use of ink, charcoal, pencils.

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Advanced Painting (Grades 10 - 12, Annual Course)

This course will build on Painting 1AB and continue to expand the student's knowledge of the visual arts through painting. Topics include painting and historical overview, color theory, media and techniques, composition, major painting styles, and the expression of ideas, emotions, and moods through painting.

Prerequisite: Painting 1AB

Expected Homework: None

Other Requirements: None

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Advanced Placement Studio Art: Drawing/Painting 2-D/3-D (Grades 11 - 12, Annual Course) Students interested in the serious study of Drawing, Painting, Digital, 2-Dimensional and 3-Dimensional Design. Students examine in depth history, technique, processes and content of art and design. College credit can be earned through successfully engaging in the portfolio process.

Prerequisites: Teacher Approval by Portfolio Review

Expected Homework: Extensive work on projects

Other Requirements: Daily progress through class and teacher critiques

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Cartooning and Animation AB (Grades 10 - 12, Annual Course)

This course explores the history and techniques of illustration, cartooning and animation in conjunction with learning about aesthetic properties. Projects include freehand drawing and rendering, layout, and the use of basic drawing tools and multimedia for the reproduction of images.

Prerequisites: Drawing or Design

Expected Homework: Maintain a sketchbook

Other Requirements: None

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Design AB (Grades 9 - 12, Annual Course)

This course teaches students to analyze the visual environment and use diverse forms and media to create two-dimensional designs, three-dimensional structural forms using traditional and nontraditional constructive techniques.

Prerequisite: None

Expected Homework: Research on visual communication techniques, i.e. advertisements product design.

Other Requirements: None

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Drawing AB (Grades 9 - 12, Annual Course)

This course prepares students for advanced classes in art. Topics include history of drawing, art elements, contemporary drawing, and techniques such as contour drawing, gesture drawing, and portraiture.

Prerequisite: None

Expected Homework: Weekly sketchbook

Other Requirements: Ability to demonstrate perspective, proportions, value scales, critiquing, use of ink, charcoal, pencils.

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Painting 1AB (Grades 10 - 12, Annual Course)

This course will expand the student's knowledge of the visual arts through painting. Topics include painting and historical overview, color theory, media and techniques, composition, major painting styles, and the expression of ideas, emotions, and moods through painting.

Prerequisite: Design AB or Drawing AB

Expected Homework: None

Other Requirements: None

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Photography 1AB (Grades 9 - 12, Annual Course)

This course will provide students with an introduction to both the camera and the world of photography. Throughout the course of the year students will learn to work in each of the different creative modes of the camera, as well as find their own voice in the imagery they're creating. Students will be taught to focus on individual growth throughout the course of the year and will engage in meaningful critiques with their own work as well as the work of their peers. Students will be taught the historical relevance of photography through lectures and readings and will engage in conversations about contemporary notions regarding the photographic medium.

Prerequisite: None

Expected Homework: Taking photographs for projects both during and outside of class.

Other Requirements: None

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Photography 2AB (Grades 10 - 12, Annual Course)

In this course, students will work through rigorous exercises that isolate various technical aspects of the photographic process that will help them make meaningful, expressive and technically proficient images. Students will utilize prior knowledge of specialized photographic terms and vocabulary to speak about their work and the work of their classmates during critiques and in written statements. This course will allow advanced students to further develop their technical and compositional knowledge to produce meaningful images and begin to develop their own personal style.

Prerequisite: Photography AB

Expected Homework: Taking photographs for projects both during and outside of class.

Other Requirements: None

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

FILM ARTS COURSES**Broadcast Journalism AB** (Grade 10 – 12, Annual Course)

Broadcast Journalism is a multimedia platform that affects many aspects of performance and daily living including improving self-confidence, creative writing, critical thinking, organization, leadership. The curriculum has been designed to allow each student an opportunity to learn skills and techniques in the areas of public speaking, interviewing, research and fact-finding, Social media blogging/posting, presentation, and programming, all of which could lead to immediate employment or prepare them for a college communication degree.

Prerequisites: Teacher approval

Expected Homework: Daily as needed

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Filmmaking 1AB (Grades 9 - 12, Annual Course)

The course is divided into 1 semester of Film History and 1 semester of Beginning Film Production. Beginning Film Production is an introduction to all aspects of filmmaking. Students learn the purpose, usage, and care of all filmmaking equipment. Beginning lighting, shot composition, directing, camera movement and editing are introduced and implemented. Individual 3-minute films demonstrate mastery of beginning film techniques. Students learn the fundamentals of creating intriguing characters, formulating engaging plots, and writing involving screenplays, utilizing script formatting computer programs. Students learn the three-act story structure of screenplays, which is followed in all the student films. Script revision techniques are implemented in students' screenplays, which they cast, choose locations for, shoot, edit, and arrange music for. Students adhere to the requirements of professional filmmaking, with students choosing crews for multiple jobs, including director, cinematographer, producer, assistant director, production designer, sound engineer, editor, and music arranger. During the filming process, students experience the benefits and demands of collaboration on every level and the necessity for excellent organization and communication. Assessments include tests, screenplays, and completed films.

Prerequisites: None for 9th grade students, teacher approval for 10-12

Expected Homework: 3 hours per week

Other Requirements: Some after school and weekend filming

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Filmmaking 2AB (Grades 10 - 12, Annual Course)

Intermediate Filmmaking. Filmmaking 2AB builds on all the filmic concepts introduced in Filmmaking 1. Story receives major emphasis in this class, as great scripts are analyzed as to what makes the screenplays so successful. Styles of famous directors, cinematographers, and editors are studied so that students understand what specific techniques are used to create certain effects. Students serve as crew on senior 7 to 15-minute films, learning more advanced aspects of lighting, shot composition, lens usage, filters, sound mixing, editing, scoring, production design, producing, location scouting, costume, makeup, and scheduling. Special effects computer programs, and Foley are introduced. Group collaboration and effective communication skills are emphasized. Juniors who show exceptional aptitude are occasionally permitted to direct or shoot.

Prerequisites: Filmmaking 1AB and Digital Imaging

Expected Homework: 3 hours per week

Other Requirements: Frequent filming after school and on weekends

High School Requirement Met: Visual Performing Arts or one semester of Applied Technology

A-G Requirement Met: F (Visual Performing Arts)

Film Production AB (Grade 12, Annual Course)

Advanced Filmmaking. All aspects of Filmmaking 1 & 2 are studied in greater depth. Students write, direct, shoot, edit, score and produce films for college portfolios, film festivals, and ECR's annual CEA showcase. All genres are addressed and professional protocols are expected in every facet of production. Films are submitted to national and international film festivals, and if chosen for a festival, students attend to participate in the screenings and awards. Students participate in internships throughout the entertainment industry and professional filmmakers serve as guest speakers and lead hands on workshops. Students serve as mentors to Filmmaking 2 students.

Prerequisites: Filmmaking 1AB, Digital Imaging, Filmmaking 2AB

Expected Homework: 3 hours per week

Other Requirements: Frequent filming after school and on weekends

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

HISTORY OF ARTS COURSES

Advanced Placement Music Theory (Grades 11 - 12, Annual Course)

This is a college course and is intended for students who have a thorough knowledge of college music theory. Students may receive advanced placement or college course credit course if they qualify on the AP exam.

Prerequisites: Algebra 2AB, Math Analysis AB and department approval

Expected Homework: Daily

Other Requirements: Pass tests

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

MUSICAL ARTS COURSES

Advanced Band AB (Grades 9 - 12, Annual Course)

This concert band is for the highly skilled and committed band student. It will strive for a high degree of musical excellence and represent the school in many performances including school concerts, civic functions and band festivals (to include one overnight trip.) May be repeated for credit.

Prerequisite: Department permission

Expected Homework: 30 minutes daily practice, written evaluations of music and performances **Other**

Requirements: Attendance and appropriate dress for all concerts, festivals and other performances

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Advanced Orchestra AB (Grades 9 - 12, Annual Course)

The Advanced Orchestra, currently our only orchestra, is, of necessity, for experienced string players. We will strive to appropriately challenge all students both musically and technically through the performance experience. Winds and percussion will be added on a special event basis with after school rehearsals when possible. May be repeated for credit.

Prerequisite: Previous orchestral string instrument experience

Expected Homework: 30 minutes daily practice, written evaluations of music and performances

Other Requirements: Attendance and appropriate dress for all concerts, festivals and other performances

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Audio Production (Grades 9 – 12, Semester Course)

In this course, students will be introduced to the world of audio production through a course of study covering the science of sound, history of sound recording, audio production equipment, the usage of a Digital Audio Workstation (DAW), sound mixing and editing for various media such as live sound (theater, other live events), Film/TV, music, and live broadcast. Students will also begin a course of study in AVID's Pro Tools.

Prerequisites: NA

Expected Homework: As per teacher

Other Requirements: As per teacher

High School Requirements Met: F (Visual Performing Arts)

A-G Requirement Met: F (Visual Performing Arts)

Choir AB (Women's Choir) (Grades 9 - 12, Annual Course)

Choir is primarily for 9-12 grade students who have completed an audition with the instructor. Choir will further the singer's ability to sing, stressing pitch, accuracy, advanced harmonization, and ensemble singing. The Choir performs many types and styles of music from many musical periods. Before each concert, there are extra rehearsals; the Choir performs in at least 3 concerts a year. Students should be able to read basic musical notations. Students must be eligible to enroll.

Prerequisites: Audition with the instructor and approval

Expected Homework: Daily practice

Other Requirements: Attendance at all concerts and rehearsals and attendance at off-campus performances.

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Concert Band AB (Grades 9 - 12, Annual Course)

Concert Band is the intermediate group between beginning instruments and Advanced Band. Musical skills developed include ear training, sight reading, and instrument technique and proficiency. May be repeated for credit.

Prerequisite: Department permission

Expected Homework: Daily practice

Other requirements: Attendance at all concerts

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Guitar 1AB (Grades 9 - 12, Annual Course)

The major emphasis of this course is to develop student achievement through beginning study of the guitar. The course develops the physical skills necessary to play beginning level music accurately and with good tone quality, develops skills in reading music notation, and develops an understanding of the historical significance of the guitar and its literature and provides opportunities for growth in the understanding of musical elements as applied to the music played. There is no previous experience needed.

Prerequisite: None

Expected Homework:

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Intro to Music (Grades 9 - 12, Annual Course)

In this class students will learn music reading, writing, rhythm, and basic skills in piano, voice, and percussion. This class will also develop ensemble skills and musical expression. Music discussed will include all genres and include connections to current popular music. This class is open to all students without audition. Although intended for beginners, all are welcome and with instructional differentiation can be appropriate for multiple levels of music experience.

Prerequisite: None

Expected Homework: As per teacher

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Jazz Ensemble AB (Grades 9 - 12, Annual Course)

This Jazz Ensemble will be a standard “big band” instrumentation with a few doublings where appropriate. Emphasis is on the stylistic performance of a variety of jazz styles and improvisation as the foundation of jazz performance. Study and practice of scales, modes and chord relationships is an integral part of this performance. Rhythm section players (Guitar, keyboards, bass, drum set) who want to learn musical literacy skills in an improvisatory environment are encouraged to apply, even if they do not have previous school band experience. May be repeated for credit.

Prerequisite: Audition with the instructor and department approval

Expected Homework: Daily practice, written evaluations of music and performances

Other Requirements: Attendance and appropriate dress for all concerts, festivals and other performances

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Keyboarding 1AB (Grades 9 - 12, Annual Course)

The major emphasis of this course is to develop student achievement through beginning study of the piano. The course develops the skills necessary to play beginning level music accurately and with good tone quality, including pedal technique and skills in reading music notation. An understanding of the historical significance of the piano and its literature is developed. The course also provides opportunities for growth in the understanding of musical elements as applied to the music played.

Prerequisite: None

Expected Homework:

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Music Production and Engineering I (Grades 9 – 12, Annual Course)

In this course, students will be introduced to the world of music production through a course of study covering the science of sound, history of music recording, music production equipment, the usage of a Digital Audio Workstation (DAW), music composition, music mixing and hands-on production labs. Topics covered include working in Pro Tools, mixing music, music production analysis, and critical listening.

Prerequisites: NA

Expected Homework: As per teacher

Other Requirements: As per teacher

High School Requirements Met:

A-G Requirement Met: F (Visual Performing Arts)

Vocal Ensemble AB (Camerata) (Grades 10 - 12, Annual Course)

The major emphasis of this course is on developing musicianship through the study of vocal ensemble music. Students develop the ability to sing with considerable skill, accuracy and sensitivity. Skills are increased in breathing techniques, control of tone quality, and in sight singing. Individuality on the part of each member of the small ensemble is encouraged. Aesthetic appreciation and discriminating judgment are developed. Opportunities to perform in the community. Students must be eligible to enroll.

Prerequisites: Department approval, one year of choir and audition with the ensemble and instructor.

Expected Homework: Daily practice

Other Requirements: Attendance at all concerts, rehearsals and performances.

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

THEATRE ARTS COURSES**Broadcast Journalism AB** (Grade 10 – 12, Annual Course)

Broadcast Journalism is a multimedia platform that affects many aspects of performance and daily living including improving self-confidence, creative writing, critical thinking, organization, leadership. The curriculum has been designed to allow each student an opportunity to learn skills and techniques in the areas of public speaking, interviewing, research and fact-finding, Social media blogging/posting, presentation, and programming, all of which could lead to immediate employment or prepare them for a college communication degree.

Prerequisites: Teacher approval

Expected Homework: Daily as needed

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Theater Festival 9AB (Grade 9, Annual Course)

This course is for students with prior dramatic experience who desire to sharpen their fundamental theater skills. Acting projects in pantomime, improvisation, and scenes from plays are performed for class evaluation. Selected students have the opportunity to participate in drama festivals.

Prerequisites: Teacher approval

Expected Homework: Daily as needed

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Theater: Introduction AB (Grades 9 - 12, Annual Course)

This course offers training in fundamental skills of theater arts. Students study pantomime, improvisation, voice and diction, interpretive techniques, creation of character, and projection of ideas and emotion. Second semester students participate in the production of a one-act play.

Prerequisites: None

Expected Homework: Daily as needed

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Theatre Directing AB (Grades 10 - 12, Annual Course)

The purpose of this course is to provide an opportunity for students to direct scenes or plays from dramatic literature within a balanced theatre arts program. Plays and scenes will be representative of various periods in theatre history. Students receiving credit for Theatre: Directing may work in conjunction with a beginning or advanced drama class, directing scenes with drama students. The course is designed to assist students in achieving the California State Standards in Theatre, emphasizing artistic perception, creative expression, historical and cultural context, aesthetic valuing and the interconnections of the arts and other disciplines and careers. Students will be trained in the fundamental skills of directing in theatre, including improvisation techniques, blocking, projection of ideas and emotions, building an ensemble, and preparation of scenes. Directing projects will provide positive group experiences in collaborative assignments, developing leadership skills and the ability to guide others through constructive criticism.

Prerequisites: Teacher approval

Expected Homework: As needed to meet deadlines

Other Requirements: Extracurricular rehearsals

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

Theatre Production AB (Grades 10 - 12, Annual Course)

Students produce 2 full-length plays for public performance. This course includes directions, set design, costume design, lighting, and other stage craft work. This class also competes in two festival competitions. Class work must include research, reading, and writing in addition to the performance.

Prerequisites: Teacher approval

Expected Homework: As needed to meet deadlines

Other Requirements: Extracurricular rehearsals

High School Requirement Met: Visual Performing Arts

A-G Requirement Met: F (Visual Performing Arts)

WORLD LANGUAGE COURSES

FRENCH COURSES

French 1AB (Grades 9 - 12, Annual Course)

This course is designed for the beginner and is an introduction to the language and culture. The course develops a basic proficiency in communicating in French, by speaking, writing, listening, and reading. Students learn these skills in the context of cultural practices in countries and regions where French is spoken. In addition, the course focuses on engaging students in communication using real world situations, decoding and comprehending authentic texts, and producing and creating sentences and paragraphs within the content and themes being studied.

Prerequisites: None

Expected Homework: Daily

High School Requirement Met: Elective

A-G Requirement Met: E (Languages other than English)

French 2AB (Grades 9 - 12, Annual Course)

This course is designed to supplement and reinforce the first level. This a rigorous course that allows students to continue developing proficiency in communicating in the French language, while learning about cultural practices in countries and regions where French is spoken. The course will focus on engaging students in communication using real world situations, decoding and comprehending authentic texts, and producing and creating sentences and paragraphs within the content and themes being studied.

Prerequisites: French 1AB or instructor approval upon completion of placement test

Expected Homework: Daily

High School Requirement Met: Elective

A-G Requirement Met: E (Languages other than English)

French 3AB (Grades 9 - 12, Annual Course)

French 3 is designed to supplement and reinforce the first two levels. This a rigorous course that allows students to increase their proficiency in communication in French, while learning about cultural practices in countries and regions where French is spoken. The course will focus on engaging students in communication using real world situations, comprehending authentic and literary texts stressing factual comprehension, and producing expository and persuasive paragraphs within the content and themes being studied.

Prerequisites: French 2AB or instructor approval upon completion of placement test

Expected Homework: Daily

High School Requirement Met: Elective

A-G Requirement Met: E (Languages other than English)

Advanced Placement French Language and Culture (Grades 9 - 12, Annual Course)

The AP French Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. To best facilitate the study of language and culture, the course is taught almost exclusively in French. The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). This course prepares students to take the Advanced Placement exam for college credit.

Prerequisites: French 3AB or instructor approval upon completion of placement test

Expected Homework: Daily

High School Requirement Met: Elective

A-G Requirement Met: E (Languages other than English)

SPANISH COURSES

Spanish 1AB (Grades 9 - 12, Annual Course)

This course is an introduction to Spanish language and culture. The purpose is to develop a basic proficiency in communicating in the Spanish language, while learning about cultural practices in countries and regions where Spanish is spoken: Spain, Mexico, Central and South America, the United States, and the Antilles. The course will also focus on engaging students in real world situations where decoding, comprehending authentic texts, producing and creating sentences and paragraphs within the content and themes comprise a daily routine.

Prerequisites: None

Expected Homework: Daily

High School Requirement Met: Elective

A-G Requirement Met: E (Languages other than English)

Spanish 2AB (Grades 9 - 12, Annual Course)

This course is designed to supplement and reinforce the first level. This is a rigorous course that will reinforce the skills learned in Spanish 1 and allows students to continue developing proficiency in communicating in the Spanish language, while learning about cultural practices in countries and regions where Spanish is spoken: Spain, Mexico, Central and South America, the United States, and the Antilles. The course will focus on engaging students in communication using real world situations, decoding and comprehending authentic texts, and producing and creating sentences and paragraphs within the content and themes being studied.

Prerequisites: Spanish 1AB or instructor approval upon completion of placement test

Expected Homework: Daily

High School Requirement Met: Elective

A-G Requirement Met: E (Languages other than English)

Spanish 3AB (Grades 9 - 12, Annual Course)

This course is designed to supplement and reinforce the first two levels. This a rigorous course that allows students to increase proficiency in communicating in the Spanish language, while learning about cultural practices in countries and regions where Spanish is spoken: Spain, Mexico, Central and South America, the United States, and others. The course will focus on engaging students in communication using real world situations, comprehending authentic and literary texts stressing factual comprehension, and producing expository and persuasive paragraphs within the content and themes being studied.

Prerequisites: Spanish 2AB or instructor approval upon completion of placement test

Expected Homework: Daily

High School Requirement Met: Elective

A-G Requirement Met: E (Languages other than English)

Heritage Learners 1 (Grades 9 - 12, Annual Course)

This course is designed to develop the Spanish communicative competence in reading, writing, speaking and listening of native Spanish speakers. This is done so through thematic themes that explore the literature, culture, history and current events of countries where Spanish is spoken. It is not necessary that students write at the Intermediate level prior to

entering the course but must be able to have an intermediate-mid level of proficiency in speaking and listening comprehension according to [ACTFL Proficiency Guidelines](#).

Prerequisites: Intermediate-Mid level of proficiency in speaking and listening comprehension

Expected Homework: Daily

High School Requirement Met: Elective

A-G Requirement Met: E (Languages other than English)

Heritage Learners 2 (Grades 9 - 12, Annual Course)

This course is a continuation of Spanish Speakers I where students continue to develop the Spanish communicative competence in reading, writing, speaking and listening of Spanish native speakers. This is done so through thematic themes that explore the literature, culture, history and current events of countries where Spanish is spoken.

Prerequisites: Heritage Learners 1 or intermediate-mid level proficiency in listening, speaking, reading and writing

Expected Homework: Daily

High School Requirement Met: Elective

A-G Requirement Met: E (Languages other than English)

Advanced Placement Spanish Language and Culture (Grades 9 - 12, Annual Course)

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. To best facilitate the study of language and culture, the course is taught exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). This course prepares students to take the Advanced Placement examination in this subject for college credit.

Prerequisites: Spanish 3AB, Spanish Speakers II or instructor approval upon completion of placement test

Expected Homework: Daily

High School Requirement Met: Elective

A-G Requirement Met: E (Languages other than English)

Advanced Placement Spanish Literature and Culture (Grades 9 - 12, Annual Course) The AP Spanish Literature and Culture class is the highest level of Spanish offered in this school. It is a rigorous course that introduces students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States

Hispanic literature. Students develop proficiencies across the full range of communication modes (interpersonal, presentational, and interpretive), thereby honing their critical reading and analytical writing skills. Literature is examined within the context of its time and place, as students reflect on the many voices and cultures present in the required readings. The course also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, literary criticism). This course prepares students to take the Advanced Placement examination for college credit.

Prerequisites: Advanced Placement Spanish Language and Culture or instructor approval

Expected Homework: Daily

High School Requirement Met: Elective

A-G Requirement Met: E (Languages other than English)