

# JOHN F. KENNEDY HIGH SCHOOL COURSE CATALOG



HOME OF THE  
“COUGARS”  
“2012-2013”



Awarded California Distinguished School  
2005 & 2009





# **JOHN F. KENNEDY HIGH SCHOOL**

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# JOHN F. KENNEDY HIGH SCHOOL

## Graduation Requirements

<b>A. Social Science:</b>	<b>40 Credits</b>
*Geography - 5 credits	
*Contemporary Global Issues - 5 credits	
*World History - 10 credits	
*U.S. History - 10 credits	
*Economics - 5 credits	
*Government - 5 credits	
<b>B. English (1st and 2nd semester of each)</b>	<b>40 Credits</b>
*English 9 - 10 credits	
*English 10 - 10 credits	
*English 11 - 10 credits	
*English 12 - 10 credits	
<b>C. Math (1st and 2nd semester of each)</b>	<b>20 Credits</b>
*Algebra 1 - 10 credits	
*Geometry - 10 credits	
<b>D. Science (1st and 2nd semester of each)</b>	<b>20 Credits</b>
*Physical Science - 10 credits	
*Life Science - 10 credits	
<b>E. World Language</b>	<b>10 Credits</b>
<b>F. Fine Arts</b>	<b>10 Credits</b>
<b>Physical Education</b>	<b>20 Credits</b>
<b>Electives</b>	<b>65 Credits</b>
<b>Total Credits Required for Graduation</b>	<b>225 Credits</b>

### Testing Requirements for Graduation

- Pass both parts of the (CAHSEE) California Exit Exam- English and Math
- Pass the Algebra End of Course Exam
- Pass the Senior Project
- Pass the Computer Science Proficiency (exam or course)

Graduates are encouraged to attend Community College, Vocational Training Programs, Military or attend Community College and transfer to CSU/UC

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### California State University (CSU) and University of California (UC) Minimum Admissions Requirements (aka. A-G Requirements)

- A. History/Social Science - 2 years (ex. World and U.S. History)
- B. English - 4 years
- C. Mathematics - 3 years (Algebra 1, Geometry and Algebra II or equivalent)
- D. Lab Science - 2 years (Biology and Chemistry or Physics)
- E. Foreign Language - 2 years (UC recommends 3 years)
- F. Fine Arts - 1 year
- G. College Prep elective - 1 year

Must have a "C" or better in the A-G classes

Graduates who complete college entrance A-G requirements and ACT/SAT Testing may attend CSU, UC or most private colleges and universities



# JOHN F. KENNEDY HIGH SCHOOL

## SAMPLE SCHEDULE

For UC/CSU bound students

### 9th Grade

Eng 9 or Adv  
Geo/CGI  
Algebra I or higher  
Physical Science or higher  
P.E.  
Foreign Language

### 10th Grade

Eng 10 or Adv  
World History or AP  
Geometry or higher  
Biology or higher  
P.E.  
Foreign Language (2nd year)

### 11th grade

English 11 or AP  
US History or AP  
Algebra II or higher (3rd year)  
Chemistry or higher (3rd year)  
Foreign Language (3rd year)  
Elective

### 12th grade

English 12 or AP  
US Govt/Econ or AP  
4th year Math or elective  
4th Science or elective  
4th year Foreign Lang. or elective  
Elective

**Note:** Students in PACE or a California Partnership Academy may follow a different schedule. Please speak to a counselor for specific courses for these programs.



# JOHN F. KENNEDY HIGH SCHOOL

## COURSE CATALOG

### ENGLISH COURSES

#### **ENGLISH 9**

(a-g) / Graduation Requirement

**EZS101-EZS102**

**10 Credits**

Grade Level Restrictions: None

Prerequisites: None

(Satisfies ENGLISH 9 Graduation Requirement)

Designed to develop and improve students' skills in reading, writing, listening, and speaking. Students learn both creative and expository writing in addition to spelling, vocabulary and language mechanics.

#### **ENGLISH 9.1 (SDAIE)**

(a-g) / Graduation Requirement

**EZS410-EZS411**

**10 Credits**

Grade Level Restrictions: None

Prerequisites: CELDT Intermediate or lower / Teacher Recommendation

Introduces students to various literary genres and practices and builds English language skills (reading, writing, grammar, punctuation, sentence structure, spelling and vocabulary development). This class applies multiple instructional strategies so that the student can make connections between particular lessons and understand content. The goal of the class is to create an English language foundation in which the student smoothly transitions into college preparatory classes.

#### **ADVANCED ENGLISH 9**

(a-g) / Graduation Requirement

**EZS103-EZS104**

**10 Credits**

Grade Level Restrictions: None

Prerequisites: ELA CST - Proficient / Teacher Recommendation

(Satisfies ENGLISH 9 Graduation Requirement)

Incorporates English 9 curriculum and opportunities for advanced work. Suggested for students identified as gifted and/or talented but students are accepted based on teacher recommendation as well.

#### **PACE ADVANCED ENGLISH 9**

(a-g) / Graduation Requirement

**EPS100-EPS101**

**10 Credits**

Grade Level Restrictions: PACE 9th Grade only

Prerequisites: None

(Satisfies ENGLISH 9 Graduation Requirement)

This semester-length course is developed for students seeking a challenge in the area of English Language Arts. Materials and assignments are designed to lay the ground work for students who are interested in taking the AP test in their junior or senior year. This course will move at a rapid pace and students will be expected at a high level. Regardless of these high expectations students can expect a fun and enlightening semester.

**ENGLISH 10**  
**EZS301-EZS302**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: 10th, 11th, 12th grade

Prerequisites: English 9 or English 9.1 (SDAIE)

(Satisfies ENGLISH 10 Graduation Requirement)

Designed to address all of the California State Standards for English Language Arts as directed in the SCUSD Standards Map issued August, 2009 as well as the California Common Core Standards adopted in October, 2010. In addition to covering the standards in conjunction with our textbook, units will include autobiographical narrative writing, fictional narratives and short stories, persuasive writing and speaking, in-depth analysis of literary works, functional document analysis, grammar and a unit on poetry. Students will be working with progress toward the California Standardized Testing in mind and will complete units in the Holt Literature and Language Arts textbook in addition to enrichment activities designed to give depth to their understanding of the material. Sophomore students will spend a considerable amount of time preparing for the California High School Exit Exam administered in March.

**ENGLISH 10.1 (SDAIE)**  
**EZS420-EZS421**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: 10th, 11th, 12th grade

Prerequisites: CELDT Intermediate or lower / Teacher Recommendation

(Satisfies ENGLISH 10 Graduation Requirement)

This is a SDAIE (Specially Designed Academic Instruction in English) course designed to prepare ELL students with the reading, writing, speaking and listening skills necessary for success in high school. SDAIE students will study curriculum focused on mastering the California State Standards for English Language Arts and extend skills developed in earlier grades. In addition, students will learn to write personal narratives and expository writing using Step up To Writing and the Jane Schaffer model. Vocabulary development and grammar instructions will be integrated into all units. The curriculum in this class follows the standards and benchmarks outlined by Sacramento Unified School District and the State of California.

**ADVANCED ENGLISH 10**  
**EZS301-EZS302**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: 10th, 11th, 12th grade

Prerequisites: ELA CST - Proficient / Teacher Recommendation

(Satisfies ENGLISH 10 Graduation Requirement)

Provides opportunities for creative work in addition to the regular English 10 curriculum of literature and composition.

**PACE ADVANCED ENGLISH 10**  
**EPS200-EPS201**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: PACE 10th Grade only

Prerequisites: PACE Advanced English 9

(Satisfies ENGLISH 10 Graduation Requirement)

PACE Advanced English 10P is an extensive, two-semester, literature-based course designed to prepare sophomores with reading, writing, speaking and listening skills necessary for success in high school and college. Students will study curriculum focused on mastering the California State Standards for English Language Arts and extend skills developed in earlier grades. In addition, students will learn to write a variety of essays and receive direct instruction in test taking strategies. Vocabulary development and grammar instruction will be integrated into all units. Book Club, mini-research and projects will be assigned. Two field trips and two cultural events are also required along with 30 hours of community service. The curriculum in this class follows the standards and benchmarks outlined by the State of California.

**ENGLISH 11**  
**EZS303-EZS304**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: 11th or 12th grade

Prerequisites: Successful completion of any English 9 and English 10

(Satisfies ENGLISH 11 Graduation Requirement)

Students study twentieth century American literature through writing, reading, speaking, and listening. They increase their skills in comprehension and interpretation of various genres of literature, both of primary and secondary sources, making connections of the literature to the historical events during which or about which the literature is written. They study key American authors, genres, and literary movements and techniques. Students increase higher-level critical thinking skills.

**ENGLISH 11.1 (SDAIE)**  
**EZS430-EZS431**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: 11th or 12th grade

Prerequisites: CELDT Intermediate or lower / Teacher Recommendation

(Satisfies ENGLISH 11 Graduation Requirement)

This English course will help students become more sensitive to language and communication skills as readers, writers, speakers and listeners. Language is our basic way of relating to others, so the ability to consider another person's point of view, listen and understand conflicting arguments and write with an appropriate tone and purpose are all skills encouraged through the study of American literature. This English course will help us understand culture, history and human experience and help us develop our analytical and critical thought skills. To develop these skills and objectives we will practice close reading of both fiction and nonfiction from both historical and contemporary periods.

**ENGLISH 11 LANGUAGE & COMPOSITION 1AP**  
**EZS328-EZS329**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: 11th or 12th grade

Prerequisites: Adv English 9 and Adv English 10 / Teacher Recommendation

(Satisfies ENGLISH 11 Graduation Requirement)

Emphasizes the study of composition and reading for a variety of purposes. Both the reading and writing concentrate on the interactions among the writer's purposes, audience expectations, and subjects as well as the way generic conventions and resources of language contribute to the effectiveness in writing.

**ENGLISH 12**  
**EZS305-EZS306**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: 12th grade only

Prerequisites: English 11 or English 11 AP

(Satisfies ENGLISH 12 Graduation Requirement)

Emphasizes complex essay development and the study of World Literature. Builds on skills attained in grades 9-11 and extends listening, speaking, reading and writing skills in preparation for college.

**ENGLISH 12.1 (SDAIE)**  
**EZS440-EZS441**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: 12th grade only

Prerequisites: CELDT Intermediate or lower / Teacher Recommendation

(Satisfies ENGLISH 12 Graduation Requirement)

As the last English course students will take in high school, this course is designed to prepare students for the rigorous reading and writing that will be required of them in college and in the workplace. Students will learn a variety of methods and techniques designed to make them more insightful and independent readers and writers. As a class comprised of English Language Learners this course will help students become more sensitive to language and communication skills with a strong emphasis on speaking, since many of these students are reticent to make mistakes in public speaking. With the course content comprised of many selections from world literature, the units are designed to assist students to understand culture, history and human experience throughout time and place.

**EZS330-EZS331****10 Credits**

Grade Level Restrictions: 12th grade only

Prerequisites: Adv English 9, Adv English 10, English 11 AP / Teacher Recommendation

(Satisfies ENGLISH 12 Graduation Requirement)

Designed to prepare the student, to write at the college level and enhance the study skills that make that writing possible. It fulfills the English requirements for graduation in this district and is particularly geared to prepare for the AP Literature and Composition Exam.

## **MATHEMATICS COURSES**

**1st YEAR ALGEBRA 1P**

(a-g) / Graduation Requirement

**MAS001-MAS002****10 Credits**

Grade Level Restrictions: None

Prerequisites: None

(Satisfies ALGEBRA Graduation Requirement; must pass EOC exam and benchmarks to pass the class)

This is a first year Algebra course in which students will learn to reason symbolically. The course is based on the California Mathematics Content Standards for Algebra and is a key course for success on the California High School Exit Exam. The key content includes writing, solving, and graphing linear equations and inequalities, including systems of two linear equations in two unknowns. Other key content includes writing, solving, and graphing quadratic equations. Quadratic equations may be solved by factoring, by completing the square, by graphing, or by application of the quadratic formula. The course begins the study of monomial and polynomial expressions, exponents, functions, rational expressions, ratio, and proportion. Much of the course covers abstract relationships and their manipulations, but equally important is the development of algebraic thinking and the application of these skills to a wide variety of problem-solving situations. Mathematical reasoning is extended to justifying steps in algebraic procedures and checking the validity of algebraic arguments.

**1st YEAR ALGEBRA SDAIE 1P**

(a-g) / Graduation Requirement

**MAS011-MAS012****10 Credits**

Grade Level Restrictions: None

Prerequisites: CELDT 7 or lower / Teacher Recommendation

(Satisfies ALGEBRA Graduation Requirement; must pass EOC exam and benchmarks to pass the class)

This course is equivalent to Algebra. Instruction incorporates Specially Designed Academic Instruction in English (SDAIE) strategies. SDAIE methodology is used to teach core content to English Learners. Vocabulary is made more concrete and concepts more understandable through use of specific teaching strategies and techniques. Course content and credit are the same as that of other courses with the same title. This course is designed for orally fluent English Learners.

**GEOMETRY PL/S 1P**

(a-g) / Graduation Requirement

**MGS251-MGS252****10 Credits**

Grade Level Restrictions: None

Prerequisites: Pass Algebra with a "C" or better and Pass the End-of-Course (EOC) exam

(Satisfies GEOMETRY Graduation Requirement)

This course reviews the real number system and operations with real numbers introduced in 1st Year Algebra. Relates the number system to geometric concepts and applies number operations throughout the course. The geometric point, line, plane, and solid are introduced and relations between them are defined and studied. The unifying theme of geometry is the development of a system of logic and facility in the application of this logic.

**GEOMETRY SDAIE 1P**  
**MGS111-MGS112**

(a-g) / Graduation Requirement

**10 Credits**

Grade Level Restrictions: None

Prerequisites: Pass Algebra with a "C" or better and Pass the End-of-Course (EOC) exam / CELDT 7 or lower (Satisfies GEOMETRY Graduation Requirement)

This course is equivalent to Geometry. Instruction incorporates Specially Designed Academic Instruction in English (SDAIE) strategies. SDAIE methodology is used to teach core content to English Learners.

Vocabulary is made more concrete and concepts more understandable through use of specific teaching strategies and techniques. Course content and credit are the same as that of other courses with the same title. This course is designed for orally fluent English Learners.

**ADV GEOMETRY 1P**  
**MGS100-MGS101**

(a-g) / Graduation Requirement

**10 Credits**

Grade Level Restrictions: None

Prerequisites: Pass Algebra with a "C" or better and Pass the End-of-Course (EOC) exam / Algebra CST - Proficient / Teacher Recommendation

This course has the same content as Geometry P but with more emphasis on applications and formal proof. Credits may be used toward Geometry graduation requirement.

**2nd YEAR ALGEBRA**  
**MAS250-MAS251**

(a-g) Requirement

**10 Credits**

Grade Level Restrictions: None

Prerequisites: 1st Year Algebra (C or better) and pass Geometry

This is the traditional second year algebra course. In addition to reinforcing content taught in 1st Year Algebra, 2nd Year Algebra builds knowledge and facility in advanced relations & functions, systems of equations, complex numbers, exponential functions, and logarithmic functions. Problems involving application of functions to predicting values of related real-world variables are used to tie many mathematical techniques together into single problems.

**ADV ALGEBRA/TRIGONOMETRY 1HP**  
**MAS270-MAS271**

(a-g) Requirement

**10 Credits**

Grade Level Restrictions: None

Prerequisites: 1st Year Algebra (C or better) /Geometry CST - Proficient / Teacher Recommendation

This course covers in depth all topics listed under 2nd year Algebra with supplementation in the subject of intermediate trigonometry including the hand computation of trigonometric values at standard points, and graphs and properties of trigonometric functions and their inverses. It will meet the needs of students who seek the depth and acceleration of higher math, who anticipate college enrollment in a math related field. Credits may be used toward Algebra 1 graduation requirement.

**PRECALCULUS 1P**  
**MPS010-MPS011**

(a-g) Requirement

**10 Credits**

Grade Level Restrictions: None

Prerequisites: 2nd Year Algebra with a "C" or better

This is a year long calculus preparation course emphasizing mathematical thinking, the use of mathematical models, and the understanding of mathematical functions and their graphs. This course is about algebraic and geometric concepts that are important for calculus success. Students are expected to master the algebraic and trigonometric methods and problem solving skills necessary to solve lengthy, multi-step problems, involving a variety of pre-calculus mathematical concepts.

**CALCULUS AB 1AP**

(a-g) Requirement

**MCS201-MCS202****10 Credits**

Grade Level Restrictions: None

Prerequisites: Precalculus with a "C" or better

This Advanced Placement mathematics course is designed for college-bound students who plan to major in mathematics, physical science, engineering, or any discipline in which the study of mathematics is significant. Course entails a study of plane analytic geometry, functions, limits, continuity, differential, integration, and practical applications of the principles involved in differential and integral Calculus. This course meets the requirements for Advanced Placement AB Calculus.

**CALCULUS BC 1AP**

(a-g) Requirement

**MCS303-MCS304****10 Credits**

Grade Level Restrictions: None

Prerequisites: Calculus AB with a "C" or better

Calculus BC offers the equivalent of second semester college calculus over an entire year. This course meets the requirements for Advanced Placement BC Calculus. Course will tentatively be offered pending sufficient enrollment.

**STATISTICS 1AP**

(a-g) Requirement

**MSS270-MSS271****10 Credits**

Grade Level Restrictions: None

Prerequisites: 2nd Year Algebra (C or better)

The Advanced Placement Program offers a course description and examination in statistics to secondary school students who wish to complete studies equivalent to a one-semester, introductory, non-calculus-based, college course in statistics. This course includes the use of technology, projects and laboratories, cooperative group problem-solving, and writing, which will allow students to build interdisciplinary connections with other subjects and with their world outside school.

**TRIGONOMETRY P**

(a-g) Requirement

**MTF202-MTF203****10 Credits**

Grade Level Restrictions: None

Prerequisites: 2nd Year Algebra (C or better)

This course is a detailed study of basic Trigonometry and trigonometric functions to prepare for pre-calculus. Graphing calculators will be used to extend topics and to study applications of Trigonometry.

## SCIENCE COURSES

**PHYSICAL SCIENCE**

(a-g) / Graduation Requirement

**QRS301-QRS302****10 Credits**

Grade Level Restrictions: None

Prerequisites: Concurrent enrollment in 1st Year Algebra or Adv Math  
(Satisfies Physical Science Graduation Requirement)

Physical Science is a college preparatory course designed to meet the high school Physical Science graduation requirement. It also meets the University of California "a-g" freshman admission requirement. The course gives students an overview of several different scientific disciplines: Geology, Hydrology, Oceanography, Meteorology, and Astronomy. These units are designed to increase the students' understanding of the physical universe as it affects their lives.

**PHYSICAL SCIENCE SDAIE**  
**QRS311-QRS312**

(a-g) / Graduation Requirement

**10 Credits**

Grade Level Restrictions: None

Prerequisites: Concurrent enrollment in 1st Year Algebra or Adv Math

(Satisfies Physical Science Graduation Requirement)

Equivalent to Physical Science. Instruction incorporates Specially Designed Academic Instruction in English (SDAIE) strategies. SDAIE methodology is used to teach core content to English Learners.

Vocabulary is made more concrete and concepts more understandable through use of specific teaching strategies and techniques. Course content and credit are the same as that of other courses with the same title. This course is designed for orally fluent English Learners.

**BIOLOGY**

(a-g) / Graduation Requirement

**QBS281-QBS282**

**10 Credits**

Grade Level Restrictions: None

Prerequisites: Physical Science (can be completed in Middle School) / Science CST - Basic

(Satisfies Biological Science Graduation Requirement)

This curriculum is implemented with the understanding that each student need experience with biology and how it applies to life. This course focuses on the application of biology to future decision-making, revealing its relevancy throughout life. Students use a variety of approaches to solidify concepts being taught including cooperative group projects, web-based activities, note taking model building, hands-on activities and labs. Students delve into classical biological principles, which form a foundation for developing creative new ways of analyzing current biological topic. The laboratory aspect encourages critical thinking. Coupled with varied learning opportunities, the laboratory experience allows students to develop skills to prepare them for success in the future whether students choose to enter college, trade school or the work force.

**BIOLOGY SDAIE**

(a-g) / Graduation Requirement

**QBS271-QBS272**

**10 Credits**

Grade Level Restrictions: None

Prerequisites: Physical Science (can be completed in Middle School)

(Satisfies Biological Science Graduation Requirement)

Equivalent to Biology. Instruction incorporates Specially Designed Academic Instruction in

English (SDAIE) strategies. SDAIE methodology is used to teach core content to English Learners.

Vocabulary is made more concrete and concepts more understandable through use of specific teaching strategies and techniques. Course content and credit are the same as that of other courses with the same title. This course is designed for orally fluent English Learners.

**MOLECULAR BIOLOGY**

(a-g) / Graduation Requirement

**QBS283-QBS284**

**10 Credits**

Grade Level Restrictions: None

Prerequisites: Physical Science with a grade of B or better (can be completed in Middle School) /

Science CST - Proficient

(Satisfies Biological Science Graduation Requirement)

Molecular Biology is an enriched alternative approach to college preparatory biology, which uses inquiry methods to present biology as an experimental science. This course requires students to construct their understanding of concepts starting from the laboratory experience. Students in this course develop their abilities to observe, think and communicate scientifically through inquiry-based, open-ended laboratory investigations. The breadth of content covered in this course is the same as the traditional approach but the focus is on biology at the molecular level. Molecular Biology challenges students to think abstractly and requires that they produce formal, written reports of their investigations in the laboratory.

**BIOLOGY 1AP**  
**QBS290-QBS291**

(a-g) / Graduation Requirement

**10 Credits**

Grade Level Restrictions: None

Prerequisites: Biology or Molecular Biology with grade "B" or better (recommended)/ Science CST-Proficient;  
Teacher Recommendation / Chemistry recommended (not required)

(Satisfies Biological Science Graduation Requirement)

AP Biology is a college level course as outlined by The College Board's advanced placement Biology Course of Study. Included in the course are critical thinking and inquiry laboratory experiences that span the core concepts of biology. This course is meant for college bound students that are self motivated and interested in pursuing a career in science. Honors credit will be awarded and some universities accept this course for college provided a passing score on the National AP Exam in May.

**CHEMISTRY**

(a-g) / Graduation Requirement

**QCS250-QCS251**

**10 Credits**

Grade Level Restrictions: None

Prerequisites: Biology with a "C" or better

Algebra with a "B" or better

This is an inorganic course designed to meet the needs of students pursuing a science major in college or university. Content encompasses: (1) introduction, (2) atomic theory, (3) nature of chemical bonding, (4) energy relations, and (5) chemical kinetics, thermodynamics, and equilibrium. The five major areas covered will overlap to re-emphasize and build a solid foundation.

**CHEMISTRY 1AP**

(a-g) Requirement

**QCS240-QCS241**

**10 Credits**

Grade Level Restrictions: None

Prerequisites: Physical Science, Biology/Molecular Biology with a "B" or better/

Must be in Algebra 2 or have already passed / Science CST - Proficient

For college-bound students interested in advanced scientific study, this course emphasizes scientific literacy: text/reference material comprehension, oral and written expression of scientific principles, problem solving, and correct laboratory procedures and techniques in both quantitative and qualitative aspects.

Measurement, atomic structure, equations, properties of elements, molecular structure, behaviors of gases, problem solving, solutions and concentration, chemical equilibrium, acids, bases, salts, oxidation, reduction and electrochemistry are examples of content covered in Honors Chemistry.

**PHYSICS**

(a-g) Requirement

**QPS201-QPS202**

**10 Credits**

Grade Level Restrictions: None

Prerequisites: Geometry with a "C" or better

(Meets College Laboratory Science requirement)

Physics is a year-long course, which examines motion, forces, energy, matter, heat, sound, and light.

The physics field ranges from the far reaches of the universe to the insides of atoms. This course covers not only the body of knowledge that we call physics but also stresses the history of and the ongoing research into the adventure we call science. The course emphasizes laboratory work and exploration by students, recognizing that we cannot present the entire body of scientific knowledge because there is too much to teach. We can hope for best results if we clearly present how science works and the processes and methods which expand scientific knowledge.

**AP PHYSICS B**  
**QPS401-QPS402**  
**10 Credits**

(a-g) Requirement

Grade Level Restrictions: None

Prerequisites: 2nd Year Algebra with a "B" or better /math and science CST-Proficient/must currently be enrolled in pre-calculus or calculus. AP Physics B is a year long course and is intended to be representative of courses commonly offered in colleges and universities, but it does not necessarily correspond precisely to courses at any particular colleges and universities. Advanced Placement (AP) Physics B builds on the conceptual understanding attained in a first course in physics. It provides a systematic development of the main principles of physics, emphasizing problem solving and helping students develop a deep understanding of physics concepts. It is assumed that students are familiar with algebra and trigonometry, although some theoretical developments may use basic concepts of calculus. AP Physics B provides a foundation in physics for students in life sciences, pre-medicine, and some applied sciences, as well as other fields not directly related to science.

**HUMAN ANATOMY & PHYSIOLOGY**  
**QSS211-QSS212**  
**10 Credits**

(a-g) Requirement

Grade Level Restrictions: 11th - 12th Grade only

Prerequisites: Grade of "C" or better in Biology or Molecular Biology

A comprehensive survey of the structure, function, and organization of the human body. Topics of study is an in depth study of the human organ systems related to support, movement, integration, regulation, include maintenance, reproduction, and development of the human body. Disease prevention and health are emphasized themes. Lab activities (including dissection), cooperative learning, and critical thinking skills are essential for success in this course. Organ Systems covered during the year include: Integumentary System, Skeletal System, Muscular System, Nervous System, Endocrine System, Digestive System, Respiratory System, Cardiovascular System, Lymphatic/Immune System, Urinary/Excretory System, Reproductive System.

## **SOCIAL SCIENCE COURSES**

**GEOGRAPHY /CONTEMPORARY GLOBAL ISSUES 1P**  
**SGS120-SGS121**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: 9th grade

Prerequisites: None

Geography/Contemporary Global Issues is a one year long social science course designed for 9<sup>th</sup> grade students. As an interdisciplinary introduction to social science, the course provides the foundation for the later study of World and United States History, Economics, and United States Government. This course also blends in contemporary global issues into every unit of study. This course will introduce and develop skills that will be needed in subsequent social studies classes, such as mapping, analyzing social change over time and comparing and contrasting diverse cultures. Additionally, students will receive a 6 week unit addressing the rigors of highschool at the beginning of the school year.

**GEOGRAPHY /CONTEMPORARY GLOBAL ISSUES SDAIE 1.1P**  
**SGS125-SGS126**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: 9th grade

Prerequisites: CELDT Intermediate or lower / Teacher Recommendation

This course is equivalent to Geography/Cont Global Issues. Instruction incorporates Specially Designed Academic Instruction in English (SDAIE) strategies. SDAIE methodology is used to teach core content to English Learners. Vocabulary is made more concrete and concepts more understandable through use of specific teaching strategies and techniques. Course content and credit are the same as that of other courses with the same title. This course is designed for orally fluent English Learners. Additionally, students will receive a 6 week unit addressing the rigors of highschool at the beginning of the school year.

**PACE ADVANCED HISTORY 9 1P**  
**SJS120-SGS121**

(a-g) / Graduation Requirement

**10 Credits**

Grade Level Restrictions: PACE 9th Grade only

Prerequisites: None

Taught in two-hour "teaching blocks." Students take a uniquely designed curriculum with emphasis on California history and government. History is taught to one group of students 1st semester for two consecutive class periods with one break, English will be taught the 2nd semester, utilizing the same two-period teaching block. Block scheduling allows for more instructional flexibility.

**WORLD HISTORY 1P**

(a-g) / Graduation Requirement

**SJS100-SJS101**

**10 Credits**

Grade Level Restrictions: 10th grade

Prerequisites: None

Emphasizing the study of European culture related to its influence on the political, cultural, and intellectual development of the United States. World History provides Sophomore students with a general understanding of civilizations and cultures world-wide. Students are expected to read and provide written response to text material at a level consistent with students planning on attending four-year college or university.

**WORLD HISTORY SDAIE 1.1P**

(a-g) / Graduation Requirement

**SJS104-SJS105**

**10 Credits**

Grade Level Restrictions: 10th grade

Prerequisites: CELDT Intermediate or lower / Teacher Recommendation

This course is equivalent to World History. Instruction incorporates Specially Designed Academic Instruction in English (SDAIE) strategies. SDAIE methodology is used to teach core content to English Learners.

Vocabulary is made more concrete and concepts more understandable through use of specific teaching strategies and techniques. Course content and credit are the same as that of other courses with the same title. This course is designed for orally fluent English Learners.

**WORLD HISTORY 1AP**

(a-g) / Graduation Requirement

**SJS140-SJS141**

**10 Credits**

Grade Level Restrictions: 10th grade

Prerequisites: CST - Proficient / Successful completion of English 9, Geography/CGI and summer reading and assignments completed / Teacher Recommendation

The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts, in interactions with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The student must be able to handle a significant amount of outside reading. Sophomores will be given priority, open also to Junior and Senior students as Social Study Elective for AP Test Credit.

**U.S. HISTORY 1P**

(a-g) / Graduation Requirement

**SHS201-SHS202**

**10 Credits**

Grade Level Restrictions: 11th grade

Prerequisites: None

This course will explore the major turning points of the twentieth century will be the primary focus. But other content will include a review of concepts explored in earlier social studies courses. By analyzing the Enlightenment we will see what sort of impact the philosophers of this era had on American democratic ideals and begin exploring the contradictions within our nation's ideas of freedom in the new country. From there we will connect your study of industrialization on a global scale, subjects learned in your 10th grade class with the impact industrialization had on the American landscape and culture. America's growth from a largely isolationist country to the world's sole superpower will also be explored alongside the incredible costs our country sustained for holding this role. Additionally, we will investigate how the government's role in supporting the poor and ensuring equality has changed over time.

**U.S. HISTORY 1.1P (SDAIE)**

(a-g) / Graduation Requirement

**SHS205-SHS206****10 Credits**

Grade Level Restrictions: 11th grade

Prerequisites: CELDT Intermediate or lower / Teacher Recommendation

This course is equivalent to U.S. History. Instruction incorporates Specially Designed Academic Instruction in English (SDAIE) strategies. SDAIE methodology is used to teach core content to English Learners. Vocabulary is made more concrete and concepts more understandable through use of specific teaching strategies and techniques. Course content and credit are the same as that of other courses with the same title. This course is designed for orally fluent English Learners.

**U.S. HISTORY 1AP**

(a-g) / Graduation Requirement

**SHS400-SHS401****10 Credits**

Grade Level Restrictions: 11th grade

Prerequisites: CST - Proficient / Successful completion of AP World History / Teacher Recommendation

This course is designed as a survey of American history from the era of exploration to the present day. It is a rigorous two-semester course and is meant to fulfill the same requirement as a year of Freshman United States History at the college level. The amount of reading and writing in this class is intense, and students must be prepared to spend five hours or more a week on homework. Students will learn to balance a massive amount of factual information with critical analysis of primary and secondary sources. Using a variety of tools essential to historians, the students will develop the essential skills of interpretation and evaluation to view single events from multiple perspectives, and present their own arguments based on their interpretation.

**U.S. GOVERNMENT 1P**

(a-g) / Graduation Requirement

**SGS210****5 Credits**

Grade Level Restrictions: 12th grade

Prerequisites: None

This is a single semester course that provides students with a general working knowledge of federal, state, and local government. Students learn about our Constitution and Bill of Rights as "living" documents and study/analyze changing interpretations as they exist throughout our history. Course includes current events in our three branches of government and provides opportunity for students to compare and contrast systems of government worldwide.

**MODERN ECONOMICS**

(a-g) / Graduation Requirement

**SFX203****5 Credits**

Grade Level Restrictions: 12th grade

Prerequisites: None

This course provides a general introduction to the concepts of individual/firm (micro) and concepts that relate to the economy as a whole (macro) economics as well as international economic issues. Students will learn basic terminology and analytical tools relating to economy and will have an opportunity to conduct case studies. Consumer and personal economic decisions are covered as well. MODERN ECONOMICS may be paired with U.S. GOVERNMENT.

**U.S. GOVERNMENT SDAIE 1P**

(a-g) / Graduation Requirement

**SGS212****5 Credits**

Grade Level Restrictions: 12th grade

Prerequisites: CELDT Intermediate or lower / Teacher Recommendation

This course is equivalent to U.S. Government. Instruction incorporates Specially Designed Academic Instruction in English (SDAIE) strategies. SDAIE methodology is used to teach core content to English Learners. Vocabulary is made more concrete and concepts more understandable through use of specific teaching strategies and techniques. Course content and credit are the same as that of other courses with the same title. This course is designed for orally fluent English Learners.

**MODERN ECONOMICS SDAIE 1P**

(a-g) / Graduation Requirement

**SFX204****5 Credits**

Grade Level Restrictions: 12th grade

Prerequisites: CELDT Intermediate or lower / Teacher Recommendation

This course is equivalent to Modern Economics. Instruction incorporates Specially Designed Academic Instruction in English (SDAIE) strategies. SDAIE methodology is used to teach core content to English Learners. Vocabulary is made more concrete and concepts more understandable through use of specific teaching strategies and techniques. Course content and credit are the same as that of other courses with the same title. This course is designed for orally fluent English Learners. MODERN ECONOMICS may be paired with U.S. GOVERNMENT.

**U.S. GOVERNMENT 1AP**

(a-g) / Graduation Requirement

**SGF410****5 Credits**

Grade Level Restrictions: 12th grade

Prerequisites: CST - Proficient / Successful completion of U.S. History AP / Teacher Recommendation

This semester course is a study of the basic beliefs and ideals which underlie American democracy; its historical roots; and how its legal, governmental, and economic institutions affect public policy at the local, state, national, and international levels. Special emphasis is given to preparing the student for the College Board's Advanced Placement Test in American Government.

## PHYSICAL EDUCATION COURSES

**FRESHMAN P.E. 1P**

(a-g) / Graduation Requirement

**PFF200 - PFS200****10 Credits**

Grade Level Restrictions: 9th grade only

Prerequisites: None

Students will participate in a variety of movement activities as well as build a foundation of knowledge for life-long health. Emphasis will be given to improve physical fitness, be a respectful person and develop skill in physical activities. Possible activities covered but not limited to: softball, basketball, flag football, rugby, volleyball, swimming, personal fitness, soccer, tennis, and frisbee.

**P.E. BASKETBALL 1P**

(a-g) / Graduation Requirement

**PRF22A - PRS22A****10 Credits**

Grade Level Restrictions: 10th - 12th grade

Prerequisites: None

Students will be building on the skills acquired from the freshman core class or other experiences picked up while playing outside the school setting. The goal of the class to prepare students for a successful tryout with the high school or local club team or just raise their basketball abilities to a higher level.

**P.E. VOLLEYBALL (ADVANCED) 1P**

(a-g) / Graduation Requirement

**PRF22K - PRS22K****10 Credits**

Grade Level Restrictions: 10th - 12th grade

Prerequisites: Athletic Director Approval

Students will be put in dedicated teams to improve their foundation in bumping, setting and spiking. Depending on their abilities the class may be split in two groups: recreational and power. Serving, digging and offensive/defensive strategies will also be taught. Freshmen on the volleyball team can take this course.

**P.E. AEROBICS 1P**  
**PRF22B - PRS22B**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: 10th - 12th grade

Prerequisites: None

Students will develop an understanding and working knowledge of aerobic exercise routines including: warm-up, aerobic exercise, body toning and cool down. Developing the efficiency of the heart and lungs, burning more calories and controlling the percentage of body fat are the primary goals of the course. Participants will also learn the basics of strength training and nutrition.

**BEGINNING DANCE 1P**  
**PRF22C - PRS22C**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: 10th - 12th grade

Prerequisites: None

This course is designed for the non-dancer as an introduction to the elements and principles of dance. Each student will participate in constructing and performing basic creative choreography in cooperative learning groups and direct instruction. Students will explore the cultural heritage, historical importance, and, modern day application of dance in our society while increasing personal health and endurance.

**P.E. DANCE (ADVANCED) 1P**  
**PDS210 - PDS211**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: 10th - 12th grade

Prerequisites: None

Designed for the non-dancer as an introduction to the elements and principles of dance. Students will learn proper body alignment and stretching techniques to increase strength and flexibility. Students will explore moving freely without inhibition while incorporating the elements and qualities of dance movement. Individual skill building and personal body awareness will be expanded through acquiring basic movement skills. Each student will participate in constructing and performing basic creative choreography in cooperative learning groups and direct instruction. Students will define and use dance terminology to communicate ideas and analyze observed performances. Students will explore the cultural heritage, historical importance, and modern day application of dance in our society while increasing personal health and endurance.

**NET SPORTS 1P**  
**PRF22E - PRS22E**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: 10th - 12th grade

Prerequisites: None

Students will be building on the skills acquired from the freshman core class or other experiences picked up while playing outside the school setting. The goal of the class to prepare students for a successful tryout with the high school or local club team or just raise their volleyball and tennis abilities to a higher level.

**WEIGHT TRAINING 1P**  
**PRF22G - PRS22G**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: 10th - 12th grade

Prerequisites: None

This course is designed for the student to develop strength, endurance, flexibility, coordination, and body fitness. Principles of weight training, proper diet and nutrition, and basic anatomy will be taught.

**P.E. MARCHING BAND 1P**

**PMF200-PMS200**

**10 Credits**

Grade Level Restrictions: None

Prerequisites: Instructor Permission

PE Marching Band teaches students correct playing habits, sight-reading, intonation, rhythm, tonal balance, and phrasing in addition to providing instruction in performing band history through exposure to information from the different periods of music. Students are expected to participate in varying public appearances. Minimum state physical education requirements must be met in this course and students are therefore required to participate in drill practice.

(a-g) / Graduation Requirement  
May be taken for Fine Arts or PE credits

**SACRAMENTO POLICE DEPT. P.E (Criminal Justice P.E.) 1P**

**PFF200-PFS200**

**10 Credits**

Grade Level Restrictions: 9th - 12th grade (9th grade has priority)

Prerequisites: Enrollment in Criminal Justice Program

This course is designed for students only in the Criminal Justice academy. They will engage in activities to enhance their own personal fitness to prepare them for a physically demanding field of work. Activities are instilled with teaching the students Pride, Professionalism, Respect, and Teamwork.

(a-g) / Graduation Requirement

**MCJROTC/P.E. LEVEL 1 1P**

**PSS200-PSS201**

**10 Credits**

Grade Level Restrictions: 9th - 12th grade

Prerequisites: Enrollment in MCJROTC Program / Instructor Approval

The first year of the program provides cadets with an introduction to both leadership and citizenship. LE-1 has 123 hours of classroom instruction, with 57 hours remaining in the schedule for physical training, drill and workmanship, and other practical application classes.

(a-g) / Graduation Requirement

**MCJROTC/P.E. LEVEL 2 1P**

**PSS202-PSS203**

**10 Credits**

Grade Level Restrictions: 10th - 12th grade only

Prerequisites: Enrollment in MCJROTC Program / Instructor Approval

Continues with 1st year skills and introduces cadets to the new areas of civilian marksmanship training and land navigation training with the map and compass. LE-II has 124 hours of scheduled academic instruction, with 56 hours remaining for the practical application classes.

(a-g) / Graduation Requirement

## **WORLD LANGUAGES COURSES**

**1st LEVEL AMERICAN SIGN LANGUAGE 1P**

**GAS001-GAS002**

**10 Credits**

Grade Level Restrictions: None

Prerequisites: None

Students develop cultural awareness and communication skills involving "listening" and "speaking." Students meet the expectations of the communicative functions within the context of familiar vocabulary and structures. Errors are to be expected and are addressed in a way that promotes communication and are addressed in a way that promotes communication and student confidence. Students practice extensively in communication using the learned language. Classroom activities are related to the real world and include developing an awareness of acceptable behavior in this culture.

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**2nd LEVEL AMERICAN SIGN LANGUAGE 1P**  
**GAS003-GAS004**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**10 Credits**

Grade Level Restrictions: None

Prerequisites: 1st Level American Sign Language or equivalent with "D" or better

Students continue to develop communication skills involving "listening" and "speaking." The emphasis is on comprehension and production of frequently used language. Students practice signing extensively.

Classroom activities are related to the real world and include developing an awareness of acceptable behavior.

**1st LEVEL FRENCH 1P**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**GFS001-GFS002**

**10 Credits**

Grade Level Restrictions: None

Prerequisites: None

The primary objective of 1st Level French is to develop basic communication skills emphasizing listening and speaking along with grammatical structures. Natural language is utilized to promote self-expression.

Vocabulary and lessons focus on high-interest, useful themes to maximize motivation and enhance learning.

**2nd LEVEL FRENCH 1P**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**GFS003-GFS004**

**10 Credits**

Grade Level Restrictions: None

Prerequisites: 1st Level French or equivalent with "D" or better

Students continue to develop cultural awareness and communication skills involving reading, writing, listening and speaking. The emphasis is on comprehension and production of frequently used language.

Students practice extensively in oral communication and write simple messages, narratives and letters.

Classroom activities are related to the real world and include developing an awareness of acceptable behavior in the foreign culture.

**3rd LEVEL FRENCH 1P**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**GFS005-GFS006**

**10 Credits**

Grade Level Restrictions: None

Prerequisites: 2nd Level French or equivalent with "C" or better

Students continue to develop cultural awareness and French communication skills involving listening, speaking, reading and writing. The emphasis is on comprehension and the production of frequently used language. Students practice extensively in oral communication and write messages that are more extensive,

letters, narratives than the previous levels of French. Classroom activities are related to the real world and include developing awareness of acceptable behavior in foreign cultures.

**4th LEVEL AP FRENCH**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**GFS007-GFS008**

**10 Credits**

Grade Level Restrictions: None

Prerequisites: 3rd Level French with "C" or better / Teacher Recommendation

Students at this level of language are moving from Stage 4 to Stage 5, developing more cultural awareness and communication skills involving reading, writing, listening, and speaking. The emphasis is on comprehension and normal speech on general topics and more complex literary selections with more

in depth analysis using literary and rhetorical devices. Grammar is revisited and reviewed, polishing along the way. Students practice extensively in oral communication practicing formal and informal exchanges on concrete and abstract topics, using native-like discourse strategies. They write poetry, daily journals,

compositions, and weekly 20 minute AP practice essays, and hone other AP practice tests of Reading, Grammar (function words & verbs from 15 different tenses, adding speaking practice based on picture series).

Classroom activities are related to the real world and include developing an awareness of acceptable behavior in the "francophone" cultures (French AP Course of study). Most universities accept this course for college credit provided a passing score on the National AP Examination (in May).

**1st LEVEL JAPANESE 1P**  
**GJS011-GJS012**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**10 Credits**

Grade Level Restrictions: None

Prerequisites: None

Students develop cultural awareness and communication skills involving reading, writing, listening and speaking. The emphasis is on comprehension and production of frequently used language. Students will meet the expectations of the communicative functions within the context of familiar vocabulary and structures. Phonological and grammatical errors are to be expected and addressed in a way that promotes communication and student confidence. Students practice extensively in oral and written communication using the learned vocabulary and grammar. Classroom activities are related to the real world and include developing an awareness of acceptable behavior in the foreign culture.

**2nd LEVEL JAPANESE 1P**  
**GJS013-GJS014**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**10 Credits**

Grade Level Restrictions: None

Prerequisites: 1st Level Japanese or equivalent with "D" or better

Students continue develop cultural awareness and communication skills involving reading, writing, listening and speaking. The emphasis is on comprehension and production of frequently used language. Students practice extensively in oral communication and write simple messages, narratives and letters using proper Hiragana, Katana phonetics and basic Kanji characters. Classroom activities are related to the real world and include developing an awareness of acceptable behavior in the foreign culture.

**3rd LEVEL JAPANESE 1P**  
**GJS015-GJS016**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**10 Credits**

Grade Level Restrictions: None

Prerequisites: 2nd Level Japanese or equivalent with "C" or better

Students will communicate well in Japanese. Emphasis is on listening, writing, and reading in Japanese. Japanese history, culture and literature are studied extensively. The course is conducted entirely in Japanese.

**4th LEVEL JAPANESE 1HP**  
**GJS017-GJS018**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**10 Credits**

Grade Level Restrictions: None

Prerequisites: 3rd Level Japanese or equivalent with "C" or better / Teacher Recommendation

The goal of this course is to become fluent in Japanese. Communication skills, understanding, speaking, listening, reading and writing will be stressed. Grammar will be emphasized along with cultural studies and some exposure literature. This class is conducted entirely in Japanese.

**1st LEVEL LATIN 1P**  
**GLS001-GLS002**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**10 Credits**

Grade Level Restrictions: None

Prerequisites: None

1st Level Latin introduces students to the basics but the advantages are far reaching! The focus of the course is grammar, vocabulary, and translations, but students subsequently build and broaden their English vocabulary and skills as they work with derivations and roots. Latin courses include study of Roman civilization and mythology help broaden students' background and furnish historical insight.

**2nd LEVEL LATIN 1P**  
**GLS003-GLS004**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**10 Credits**

Grade Level Restrictions: None

Prerequisites: 1st Level Latin or equivalent with "D" or better

This course completes the survey of Latin verbs, as well as a vast majority of Latin grammar. Special emphasis is given to subordinate clauses and periphrastic constructions. Literature includes poems by Catullus, in addition to a continued exploration of several Roman myths.

**3rd LEVEL LATIN 1P**  
**GLS005-GLS006**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**10 Credits**

Grade Level Restrictions: None

Prerequisites: 2nd Level Latin or equivalent with "D" or better

This course places an emphasis on writings by Cicero, Caesar, Pompey, Eutropius, Augustus, Pliny and other historically significant authors. The whole of Latin grammar is completed in the first few weeks and emphasis is given to the changing historiography about the fall of the Republic. Greek and Roman myths and fables enables greater emphasis on literary style, use of rhetoric and other literary devices.

**4th LEVEL LATIN 1P**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**GLS009-GLS010**

**10 Credits**

Class Restrictions: None

Prerequisites: 3rd Level Latin with "C" or better / Teacher Recommendation

This course is designed to mirror the AP course in terms of Caesar's writings, while turning, in the second half of the course, to Livy, Horatius, Catullus, Ovid and contemporary/neo-Latin writings. Greater emphasis is given to how legend interacts with historical record, how the author's life may have influenced his writings and the political implications of such writings.

**AP LATIN VER. 1**

**GLS007-GLS008**

**10 Credits**

Class Restrictions: None

Prerequisites: 4th Level Latin with "C" or better / Teacher Recommendation

This course is designed to comply with the requirements of the AP Latin test. Caesar's *De Bello Gallico* and Virgil's *Aeneid* are the primary texts. The first half of the course will cover Caesar and his writing styles, use of propaganda and historical accuracy. The second half will cover Vergil's use of dactylic hexameter, literary devices and historiographic approach to the beginnings of Roman history.

**1st LEVEL CHINESE MANDARIN 1P**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**GMS001-GMS002**

**10 Credits**

Grade Level Restrictions: None

Prerequisites: None

Students develop cultural awareness and communication skills involving reading, writing, listening and speaking. The emphasis is on comprehension and production of frequently used language. Students will meet the expectations of the communicative functions within the context of familiar vocabulary and structures. Phonological and grammatical errors are to be expected and addressed in a way that promotes communication and student confidence. Students practice extensively in oral and written communication using the learned vocabulary and grammar. Classroom activities are related to the real world and include developing an awareness of acceptable behavior in the foreign culture.

**2nd LEVEL CHINESE MANDARIN 1P**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**GMS003-GMS004**

**10 Credits**

Grade Level Restrictions: None

Prerequisites: 1st Level Chinese Mandarin or equivalent with "D" or better

Students continue develop cultural awareness and communication skills involving reading, writing, listening and speaking. The emphasis is on comprehension and production of frequently used language. Students practice extensively in oral communication and write simple messages and narratives. Classroom activities are related to the real world and include developing an awareness of acceptable behavior in the foreign culture.

**3rd LEVEL CHINESE MANDARIN 1P**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**GMS005-GMS006****10 Credits**

Grade Level Restrictions: None

Prerequisites: 2nd Level Chinese Mandarin or equivalent with "C" or better

Students continue to develop cultural awareness and communication skills involving reading, writing, listening and speaking. The emphasis is on comprehension and production of normal speech on general topics, including travel, emergency assistance, health, simple business transactions, politics, traditions, customs and habits. Students will demonstrate knowledge of grammatical detail. The emphasis at Level 3 is in refinement and fluency. All the major structures will be reviewed and commonly used written structure will be given emphasis. A large portion of course time will be devoted to developing reading and writing skills, which reinforce oral expression. Classroom activities are related to the real world and include developing awareness for acceptable behavior in the Chinese culture.

**AP CHINESE MANDARIN**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**GMS009-GMS010****10 Credits**

Grade Level Restrictions: None

Prerequisites: 3rd Level Chinese Mandarin with "C" or better / Teacher Recommendation

This course is the expansion and continuation from the previous three levels of Mandarin. Students will continue to develop communication skills involving writing, listening and speaking. There will be an emphasis on the comprehension and production of normal speech on general topics and literary section. This includes making choices, stating preferences, giving advice, expressing feelings and participating in discussions on current topics. Communication skills and writing skills will be extensively covered and developed in formal and informal exchanges on concrete and abstract topics. Native-like discourse strategies will be covered. Structures commonly found in the language will be studied in relation to the situation presented, such as the Chinese syntactical structures that are most different from the English structures.

**1st LEVEL SPANISH 1P**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**GSS001-GSS002****10 Credits**

Grade Level Restrictions: None

Prerequisites: None

Students build fluency and confidence in their new language through oral and written practice. Teachers work to ensure students are able to communicate basic needs in the beginning and build up to story reading and retelling as the course progresses. This course also includes Hispanic culture and civilization.

**2nd LEVEL SPANISH 1P**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**GSS003-GSS004****10 Credits**

Grade Level Restrictions: None

Prerequisites: 1st Level Spanish or equivalent with "D" or better

Students continue develop cultural awareness and communication skills involving reading, writing, listening and speaking. The emphasis is on comprehension and production of frequently used language. Students practice extensively in oral communication and write simple messages, narratives and letters. Classroom activities are related to the real world and include developing an awareness of acceptable behavior in the foreign culture.

**3rd LEVEL SPANISH 1P**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**GSS005-GSS006****10 Credits**

Grade Level Restrictions: None

Prerequisites: 2nd Level Spanish or equivalent with "C" or better

Students continue develop cultural awareness and communication skills involving reading, writing, listening and speaking. The emphasis is on comprehension and production of frequently used language. Students practice extensively in oral communication and write simple messages, narratives and letters. Classroom activities are related to the real world and include developing an awareness of acceptable behavior in the foreign culture.

**4th LEVEL SPANISH 1AP**

(a-g) 2 yrs. / Graduation Requirement (1 yr)

**GSS007-GSS008****10 Credits**

Grade Level Restrictions: None

Prerequisites: 3rd Level Spanish with "C" or better / Teacher Recommendation

In this course, students continue to develop cultural awareness and communication skills involving reading, writing, listening, and speaking. The emphasis is on comprehension and production of normal speech on general topics. Students will compose expository passages about literary selections, such as short stories, novels, poems and articles. Students will demonstrate knowledge of grammatical detail and be able to communicate extensively in formal and informal exchanges on concrete and abstract topics. Students will prepare to pass the AP Spanish language examination. Most universities accept this course for college credit provided a passing score on the National AP Examination (in May).

**ELECTIVE COURSES****ART 1-2P**

(a-g) / Graduation Requirement

**BZS007-BZS008****10 Credits**

Grade Level Restrictions: None

Prerequisites: None

Art P is a year long course, consisting of Art 1 and Art 2. Art 1 is a prerequisite for Art 2. Art P is a prerequisite for any advanced art course. Art P is an introductory course for students interested in art, architecture, engineering or teaching. The course emphasizes elements and principles of design and it covers a wide field of basic skills in composition, color theory, illustration, design, drawing, figure drawing, painting and perspective. This course may be challenged with a portfolio review. Work outside of class will be required. This may include: research of a particular artist, style or period of art; preparation of an art project or portfolio; and reading, writing or critical viewing.

**ADVANCED ART 3-4P**

(a-g) / Graduation Requirement

**BZS003-BZS004****10 Credits**

Grade Level Restrictions: 10th - 12th grade only

Prerequisites: Advanced Art1-2 with a "B" or better or portfolio review / Teacher Recommendation

This course meets current College Board requirements. Art 3/4 is an advanced level course that involves further exploration in art concepts, media, and ideas. The course focuses on drawing and painting. Portfolio production and outside work is required.

**STUDIO ART AP**

(a-g) / Graduation Requirement

**BZS010-BZS011****10 Credits**

Grade Level Restrictions: 11th or 12th grade

Prerequisites: Advanced Art 3-4 or Advanced 3-D Art 3-4 / Teacher Recommendation

In this Advanced Placement course students create a portfolio of work to submit for college credit. There are three portfolio options for students to choose from: Drawing, 2-D Design and 3-D Design. This course addresses three major concerns that are constants in the teaching of art: (1) a sense of quality in a student's work; (2) the student's concentration on a particular visual interest or problem; (3) the student's need for breadth of experience in the formal, technical and expressive means of the artist. Advanced Placement artwork should reflect these areas of concern: quality, concentration and breadth. \*Students may be eligible to enroll in AP Studio as a Year 2 course with the instructor's approval.

**BEGINNING 3-D ART 1-2P**

(a-g) / Graduation Requirement

**BXS280-BXS281****10 Credits**

Grade Level Restrictions: None

Prerequisites: None

3-D Art 1-2 is a year long introductory course for anyone who is interested in exploring visual art through 3-dimensional materials. Students will learn the fundamentals of sculpture while they gain an understanding of the principles and elements of art. Students will be exploring a variety of materials including clay, wire, wood, paper-mache, block carving, metal and plaster. This is a laboratory/shop situation for those who are able to safely work with others to explore the possibilities available to the 3-D artist.

**ADVANCED 3-D ART: 3-D ART 3-4P**

(a-g) / Graduation Requirement

**BXS285-BXS286****10 Credits**

Grade Level Restrictions: 10th - 12th grade only

Prerequisites: Beginning 3-D Art1-2 / Teacher Recommendation

3-D Art 3-4 is a year long advanced level course for students who have excelled in 3-D Art 1-2 and wish to further explore visual art using 3-D materials. This course is designed to help students build up their portfolios for use in AP Studio Art, college acceptance and/or job placement. Students will have further experience in materials including clay, wire, wood, paper-mache, block carving, metal and plaster. This is a laboratory/shop situation for those who are able to safely work with others to explore the possibilities available to the 3-D artist.

**BEGINNING GUITAR 1P**

(a-g) / Graduation Requirement

**NGF200-NGS200****10 Credits**

Grade Level Restrictions: None

Prerequisites: None

In this course, students are taught how to read musical notations and are taught working knowledge of simple chord forms. Students must supply their own guitar.

**STAGE CHOIR 1P**

(a-g) / Graduation Requirement

**NVF265-NVS266****10 Credits**

Grade Level Restrictions: None

Prerequisites: None

As year one of our two year vocal program, no audition or prior music experience is required for this introductory course. Students learn to sing as part of a choir including basic vocal technique, music reading and ear training. Performances outside of school hours are required.

**CONCERT CHOIR 1P**

(a-g) / Graduation Requirement

**NVF220-NVS221****10 Credits**

Grade Level Restrictions: None

Prerequisites: Choir, Audition, and Teacher Recommendation

This course is a performance-based, advanced singing group for students who have proven their ability to sing in an advanced group through prior experience or audition. Students continue to advance their vocal skills including: ear training, music reading, and singing multiple parts. Performance selections are made to ensure students experience all major style periods of choral music. Public performances outside of school hours are required.

**JAZZ ENSEMBLE 1P (0 Period only)**

(a-g) / Graduation Requirement

**NBF230-NBS230****10 Credits**

Grade Level Restrictions: None

Prerequisites: None

Course teaches standard jazz dance music including Dixieland, swing, and jazz-to-jazz rock. Students learn tonal balance, intonation, sight reading, improvisation, and phrasing and are required to participate in activities, practices and performances outside of school hours.

**PIANO LAB 1P**  
**NPF251-NPS252**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: None

Prerequisites: None

Piano Lab is designed for beginning piano players and no prior music experience is required. Students learn basic music theory and perform simple piano music up to level three. Students who intend to become University Music Majors will be required to demonstrate keyboarding skills taught in this course.

**ORCHESTRA 1P (0 Period only)**  
**NOS210-NOS211**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: None

Prerequisites: Instructor Approval

For students who already play string instrument(s), this course expands fundamental techniques to include sight reading, ear training, phrasing, and new material. Students are required to participate in activities, practices and performances outside of school hours.

**MARCHING BAND**  
**NBF250-NBS250**  
**10 Credits**

(a-g) / Graduation Requirement

May be taken for Fine Arts or PE credits

Grade Level Restrictions: None

Prerequisites: Instructor Approval

Combines instructions in performing band literature from different music periods with correct playing habits, sight reading, intonation, tonal balance, rhythm, and phrasing. This course satisfies the Physical Education requirement for graduation (PMS200) and therefore, students must participate in marching band drill practice. Public performances outside of school hours are required.

**CHARACTER & SCENE 1P**  
**BTS211-BTS212**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: None

Prerequisites: None

This course is designed to introduce the art of the actor through performance. Through various processes each student will discover what is encompassed in the history of drama and the dramatic profession. Through reading of the textbook and scripts; writing essays and scripts; design, acting, and lecture students will have a beginning understanding of the history of drama and the dramatic profession.

**PLAY PRODUCTION 1P**  
**EDF250-EDS250**  
**10 Credits**

(a-g) / Graduation Requirement

Grade Level Restrictions: None

Prerequisites: Character & Scene

In this course students develop their acting, directing, and designing skills through scenes, monologues, improvisation, and a final production.

**SCHOOL ANNUAL/YEARBOOK 1P**  
**YAF200-YAS200**  
**10 Credits**

Elective

Grade Level Restrictions: None

Prerequisites: Teacher Recommendation

The students in this class will be producing the JFK School Annual (yearbook). As part of the school's yearbook staff, students will create a permanent record of the current school year. Students act as creative historians as they record and preserve events and memorable moments in all aspects of campus life. The work must show integrity and attention to detail through a responsible attitude, cooperation, honesty and good time management skills.

**STUDENT GOVERNMENT 1P**  
**YGF200-YGS200**

Elective

**10 Credits**

Grade Level Restrictions: None

Prerequisites: Teacher Approval

This course is required for all elected Associated Student Body (ASB) officers, all class officers, all class board members and Student Advisory Council members. Students who are appointed to various leadership roles on campus are also encouraged to take this course. This course may be repeated for credit.

**FORENSICS/DEBATE 1P**  
**ESF230-ESS230**

(a-g) / Graduation Requirement

**10 Credits**

Grade Level Restrictions: None

Prerequisites: None

This course is designed to help students at all experience levels of speaking to become more confident speakers in various types of speaking situations. The students will learn how to avoid "stage fright," the importance of communication in today's world, good listening skills, non-verbal communication skills and verbal communication skills. As confident speakers the students will also learn how to evaluate other speakers by applying the strategies they learned that allowed them to become confident speakers.

**SPEECH AND LEGAL REASONING 1P (0 Period only)** (a-g) / Graduation Requirement  
**SDS100-SDS101**

**10 Credits**

Grade Level Restrictions: None

Prerequisites: Forensics/Debate

This course is designed to provide students with the necessary public speaking skills necessary to present legal and social arguments within a judicial framework. Students will be exposed to the rules and procedures of both trial and appellate courts, allowing them to conduct arguments in both venues. Additionally, students will have the opportunity to compete in both mock trial and moot court competitions as a valuable way to sharpen their argumentative skills. Through these formats, students will improve their analytic thought process and their ability to reason critically.

**SCHOOL ASSISTANT 1P**  
**YOF402-YOS402**

Elective

**10 credits**

Grade Level Restrictions: 11th and 12th grade

Prerequisites: Min. 2.0 GPA / Teacher or Counselor Approval

Students are assigned to assist a teacher and are expected to perform duties other than in an office setting. Students are graded on the accuracy with which they perform and their assigned duties and on their attitude and work habits. Excellent attendance is critical. Students may not earn more than ten (10) credits over their four years in any Teacher's Assistant or Lab Assistant placement.

**SCIENCE LAB ASSISTANT 1P**  
**QXF270-QXS270**

Elective

**10 credits**

Grade Level Restrictions: 11th and 12th grade

Prerequisites: Min. 2.0 GPA / Teacher or Counselor Recommendation

Students are required to complete general science lab preparation and other classroom assistant duties under the supervision of JFK science instructors. Students will be expected to demonstrate responsibility, tactfulness, dependability while they perform valuable service to the school. Students may not earn more than ten (10) credits over their four years in any Teacher's Assistant or Lab Assistant placement.

**PSYCHOLOGY 1P**

Elective

**SPS210-SPS211****10 Credits**

Grade Level Restrictions: 11th or 12th grade

Prerequisites: None

The essentials of psychology from the physiological facts and that classical theories to current trends will be studied. The course content will give the students the opportunity to examine and reflect upon their beliefs, attitudes, and feelings about themselves. Also included are topics such as: personality, intellectual abilities and adjustment, learning skills, perception, emotions, motivations, personality, personality disorders, thinking and biological influences on behavior.

**SENIOR OPTION**

No Credit Elective

**YNF111-YNS111**

Grade Level Restrictions: 12th grade

Prerequisites: Counselor Recommendation

Seniors with sufficient credit may choose to start school later or leave school earlier by taking senior option either 1st or 6th period.

## ROP COURSES

**AUTO TECH I (Beginning Auto Technology)****ROF034-ROP034****10 Credits**

Grade Level Restrictions: None

Prerequisites: None

An introductory course in automotive service and repair, shop operation, as well as tool safety, use and identification.

**AUTO TECH II (Advanced Auto Technology)****ROF039-ROP039****10 Credits**

Grade Level Restrictions: 11th and 12th grade

Prerequisites: Auto Tech I / Teacher Recommendation

Students will learn skills to obtain an entry level job in the automobile service industry. This course includes instruction and repair of an engine, electrical systems, fuel injection, and computer systems.

**CULINARY I (Beginning Culinary Technology)****ROF113-ROP113****10 Credits**

Grade Level Restrictions: None

Prerequisites: None

This course will introduce students to the food and beverage industry. Instruction will include the following: general workplace skills, food safety and sanitation, prevention of food borne illness, workplace safety and personal health, basic knife skills, how to follow recipes and use of tools for the measuring of ingredients. In addition, students will be introduced to the bake shop, product identification, food handling and storage, entry-level food preparation and basic cooking methods.

**CULINARY II (Advanced Culinary Technology)****ROF114-ROP114****15 Credits**

Grade Level Restrictions: 11th - 12th grade

Prerequisites: Culinary I / Teacher Approval

This advanced "block" course is offered during 3th and 4th period only. This course will further introduce students to the food and beverage industry focusing on the entry level skills in food preparation including stocks and sauces, soups, beef, poultry, seafood, vegetables, starches and potatoes, salads and dressings, and plate presentation. Upon completion students will be prepared for an entry-level job in the food and beverage industry.

**COMPUTER GRAPHICS**

(a-g) / Graduation Requirement

**ROF133-ROP133****10 Credits**

Grade Level Restrictions: None

Prerequisites: None

This is an entry-level class teaching the concepts of computer graphics, animation, digital photography and video editing. Students learn the underlying concepts in computer graphic systems, animation, modeling, rendering, video production and paint systems.

**VISUAL COMMUNICATION & GRAPHICS PORTFOLIO****ROF290-ROP290****10 Credits**

Grade Level Restrictions: None

Prerequisites: None

The student will prepare a portfolio of original work, which will include advanced principles of design such as digital imaging, multi-media presentations, logo design, printmaking, and 3-dimensional package product design. Students will experience hands-on computer training utilizing Adobe, photoshop, Adobe Illustrator and Fractal Painter in addition to other traditional design media such as airbrush, ink, colorer pencil and water color. Instruction will be provided through lecture, demonstration and one-on-one training in a studio environment as well as community based internships. Students will be expected to analyze and assess their own work as well as that of their peers in a collaborative way using both oral and written formats. A portfolio of student work will be completed in slide, disk and CD format and evaluated on an ongoing basis. The course culminates with a slide presentation of students' concentrated efforts.

**BUSINESS OFFICE PROFESSION****ROF185-ROP185****5 Credits (One Semester)**

Grade Level Restrictions: None

Prerequisites: None

Technology Literacy Requirement

This is a one-semester course designed to provide the student with the knowledge necessary for understanding and developing mastery in Basic Keyboarding, Computer Literacy, Windows, Internet and the complete Microsoft Office Suite. Information Technology is designed to ensure all students are equipped with the skills and information necessary to compete in both the business and academic communities of the 21st century. The knowledge gained in this class will prepare students to use technology as a tool to enhance learning, increase productivity and promote creativity.

**RETAIL SALES (OFF-CAMPUS)****ROF236-ROP236****15 Credits**

Grade Level Restrictions: None

Prerequisites: Student should already be working in retail sales

In this course, students will learn sales transactions, customer services skills, sales techniques, merchandising, display preparation, advertising, marketing math, loss prevention and computer training. Student provide own transportation to class and work sites. Student attends the class in another school site.

**CONSTRUCTION TECHNOLOGY****ROF265-ROP265****15 Credits**

Grade Level Restrictions: None

Prerequisites: None

Students will learn all aspects of the field of construction. Students will learn how to build a structure from the ground up. The students will learn how to read blue prints and set the job up from a management position and then learn how to physically build a building. The students will actually pour concrete and frame a house. In this class students will wire a house for electricity, install plumbing, siding, roofing, insulation, gutters, trim, build full windows and doors, install sheetrock, wood flooring, and paint. The students will learn all of the building codes that apply to their work as well. This class is all hands on and using the tools of the trade to construct this life size building.

## **ROP ENGINEERING TECHNOLOGY**

### **ROF269-ROP269**

#### **10 Credits**

Grade Level Restrictions: None

Prerequisites: None

This class is for students to take an idea and make it a reality. Students will learn how to create mechanical drawings in Auto CAD. Students will learn how to take an idea, draw it on the computer and make it look realistic. The students will then take their ideas and really make them. The students will learn how to take their drawings and put them on a CNC machine to make that object. If the student can dream it up we can make it. Holders for iPods, guitars, under water cases for cameras and many other objects can be made in this class.

## **ADVANCED ROBOTICS**

### **ROF189-ROP189**

#### **10 Credits**

Grade Level Restrictions: None

Prerequisites: None

This will explore the finer points of mechanical engineering. Students will learn how objects work and why. Students will learn how to do computer programming, web design, set up computer networks, CNC machining and mechanics. This class is very hands on. Students will be building custom robotic parts for the building of a large scale robot. Students will also learn about microprocessors and how the inside of computers works. Students will participate in building a robot and making the robot do specific tasks.