

# **JOHN F. KENNEDY HIGH SCHOOL**

# **COURSE CATALOG**

2019-20

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT



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# SCUSD Non-Discrimination Act

Sacramento City Unified School District's Nondiscrimination Policy  
In District Programs and Activities 0410

## Philosophy, Goals, Objectives and Comprehensive Plans

The Sacramento City Unified School District does not discriminate on the basis of race, color, national origin, age, religion, political affiliation, gender, gender expression, gender identity, mental or physical disability, sexual orientation, parental or marital status, or any other basis protected by federal, state, or local law, ordinance or regulation, in its educational program(s) or employment.

The SCUSD Governing Board is committed to equal opportunity for all individuals in education. District programs and activities shall be free from discrimination based on gender, sex, sexual orientation, race, color, religion, ancestry, national origin, ethnic group identification, marital or parental status, physical or mental disability, age, or the perception of one or more of those characteristics. The Board shall promote programs to eliminate discriminatory practices in all district activities.

District programs and facilities, viewed in their entirety, shall be readily accessible to individuals with disabilities. The Superintendent or designee shall ensure that interested persons, including those with impaired vision and hearing, can obtain information about available programs, facilities and activities. The Superintendent or designee shall notify students, parents/guardians, employee organizations and sources of referral and applicants for admission and employment about the district's policy on nondiscrimination. Such notification shall be included in each announcement, bulletin or application form distributed to these groups. (34 CFR 104.8, 106.9)

The Superintendent or designee shall also provide information about related complaint procedures. An individual filing a complaint of discrimination shall not be subjected to acts of retaliation for the purpose of interfering with any right secured by federal or state law. This includes acts of intimidation, threats, coercion, or discrimination.

# COLLEGE ADMISSIONS

## COMMUNITY COLLEGE

Admission to community college requires one of the following: graduating from high school, passing either the General Educational Development (GED) Exam or California High School Proficiency Examination (CHSPE), being at least 18 years of age. At the community college, students can complete the first two years of college and transfer as juniors to 4-year universities, provided they have successfully completed appropriate course work. Students can also earn AA degrees and certificates in specific vocational areas that will assist them in entering an occupation. Local community college contact information is listed:

### **American River College**

4700 College Oak Drive  
Sacramento, Calif. 95841  
<http://www.arc.losrios.edu/>  
(916) 484-8011

### **Folsom Lake College**

10 College Parkway  
Folsom, CA 95630  
<http://www.flc.losrios.edu/>  
1-916-608-6500

### **Cosumnes River College**

8401 Center Parkway  
Sacramento, CA 95823  
<http://crc.losrios.edu/>  
(916) 691-7344

### **Sacramento City College**

3835 Freeport Boulevard  
Sacramento, CA 95822  
<http://www.scc.losrios.edu/>  
916.558.2111

## PRIVATE UNIVERSITIES & COLLEGES

There are hundreds of private (independent) universities and colleges across the country. Students will find great variety among these schools as each offer a unique educational environment. A student's individual needs and career plans will determine which private university he or she would be best suited for. While most private universities are relatively small in size, they also differ from public universities in educational emphasis: religious, nonsectarian, community service, career focus, and liberal arts. For additional information on private universities in California, we recommend visiting <http://www.aiccu.edu>.

## How Do Private Universities Make Admissions Decisions?

Private universities vary in terms of selectivity with some having highly selective admission standards and others having a relatively open admissions program. Listed below are key factors involved in admissions decisions:

- **High School Courses** – A strong program of college preparatory courses is recommended beginning as a freshman and continuing through the senior.
- **Grades and Class Rank** – Private universities look carefully at the grades in academic subjects as well as the number of Honors and AP (Advanced Placement) courses the student took throughout high school. The Sacramento City Unified School District does not rank students. Private universities utilize GPAs to infer ranking.

- **College Entrance Exams** – The SAT and/or ACT are used by most private universities. Some of the more competitive institutions also require the SAT I. We recommend students take these tests during the junior or senior year. Information regarding test dates and registration may be found on each campus in the high school’s Career Center and on the web ([www.collegeboard.org](http://www.collegeboard.org), [www.act.org/aap](http://www.act.org/aap)).
- **Letters of Recommendation** – Private universities require letters of recommendation from teachers, counselors, administrators, or community members.
- **Extra-Curricular Activities** – Activities in and out of school — clubs, athletics, music, art, drama, journalism, band, cheerleading, yearbook, alumni ties, and community service — may also be used in making admissions decisions.
- **Essays or Personal Statements** – Short essays are required.
- **Special Talents and Achievements** – Excelling in subject areas or activities and possessing leadership skills are also determining factors in private university admissions.
- **Cultural or Ethnic Diversity** – Most private universities prefer a sampling of students from across the nation and abroad. Cultural and ethnic diversity are still considered factors in admissions.
- **Interview** – Some private universities require or recommend an interview.

## CALIFORNIA STATE UNIVERSITIES

The twenty-three campuses of the California State Universities are located in Bakersfield, Channel Islands, Chico, Dominguez Hills, Fresno, Fullerton, Hayward, Humboldt, Long Beach, Los Angeles, Maritime Academy, in Vallejo, Monterey Bay, Northridge, Pomona, Sacramento, San Bernardino, San Diego, San Francisco, San Jose, San Luis Obispo, San Marcos, Sonoma, and Stanislaus.

**The California State University** selects applicants from the top one-third of California’s high school graduates. Admission is based initially on the student’s grade point average and the score on the ACT or SAT. The GPA is based on college prep courses for sophomore and junior years.

**To be eligible** for admission to the system, but not necessarily to a specific school or program, students with a given GPA must present a minimum corresponding ACT composite or SAT total score (see chart below). The higher the GPA, the lower the test scores may be. Students with a 3.00 or higher GPA are eligible with any score on the entrance examination. For additional information about CSU, we recommend visiting <http://www.csumentor.edu>. The CSU requires a minimum 15-unit pattern of courses for admission as a first-time freshman. Each unit is equal to a year of study in a subject area. A grade of C or better is required for each course you use to meet any subject requirement.

Area	Subject	Years
a.	<b>History and Social Science</b> (including 1 year of U.S. history or 1 semester of U.S. history and 1 semester of civics or American government <i>AND</i> 1 year of social science)	2
b.	<b>English</b> (4 years of college preparatory English composition and literature)	4
c.	<b>Math</b> (4 years recommended) including Algebra I, Geometry, Algebra II, or higher mathematics (take one each year)	3
d.	<b>Laboratory Science</b> (including 1 biological science and 1 physical science)	2
e.	<b>Language Other than English</b> (2 years of the same language; American Sign Language is applicable - <a href="#">See below about a possible waiver of this requirement</a> )	2
f.	<b>Visual and Performing Arts</b> (dance, drama or theater, music, or visual art)	1
g.	<b>College Preparatory Elective</b> (additional year chosen from the <a href="#">University of California</a> "a-g" list)	1
<b>Total Required Courses</b>		<b>15</b>

There are career and technical education (CTE) courses that can be used to meet any of the subject area requirements listed above. Please refer to [www.ucop.edu/doorways](http://www.ucop.edu/doorways) for the entire listing of approved courses.

## The CSU Eligibility

The CSU Eligibility Index Table shows the combination of test scores and grade point averages required to meet minimum eligibility requirements. The CSU does not use the SAT Writing section or the ACT Writing score to calculate the CSU Eligibility Index.

You can calculate your eligibility index by multiplying your grade point average by 800 and adding your combined score on the SAT, using the combined scores earned on the critical reading and math sections.

The CSU does not use the SAT Writing score for admission purposes. You may use the best score earned in individual test dates. Or, if you took the ACT, multiply your grade point average by 200 and add ten times the ACT composite score. The ACT composite score can be calculated using the best scores earned in individual test dates. ACT Writing score is not considered in the composite score.

If you apply for admission before you graduate from high school, you should compute your GPA using grades earned in a-g courses completed after the 9th grade. Do not include grades you expect to earn in courses during the remainder of 12th grade.

California high school graduates need a minimum eligibility index of 2900 using the SAT combined score for critical reading and math sections or 694 using the ACT.

## CSU ELIGIBILITY INDEX TABLE

Eligibility Index Table for Residents of California or Graduates of California High Schools								
GPA	ACT Score	SAT Score	GPA	ACT Score	SAT Score	GPA	ACT Score	SAT Score
<i>3.0 and above qualifies for any score</i>								
2.99	10	510	2.66	17	780	2.33	23	1040
2.98	10	520	2.65	17	780	2.32	23	1050
2.97	10	530	2.64	17	790	2.31	24	1060
2.96	11	540	2.63	17	800	2.30	24	1060
2.95	11	540	2.62	17	810	2.29	24	1070
2.94	11	550	2.61	18	820	2.28	24	1080
2.93	11	560	2.60	18	820	2.27	24	1090
2.92	11	570	2.59	18	830	2.26	25	1100
2.91	12	580	2.58	18	840	2.25	25	1100
2.90	12	580	2.57	18	850	2.24	25	1110
2.89	12	590	2.56	19	860	2.23	25	1120
2.88	12	600	2.55	19	860	2.22	25	1130
2.87	12	610	2.54	19	870	2.21	26	1140
2.86	13	620	2.53	19	880	2.20	26	1140
2.85	13	620	2.52	19	890	2.19	26	1150
2.84	13	630	2.51	20	900	2.18	26	1160
2.83	13	640	2.50	20	900	2.17	26	1170
2.82	13	650	2.49	20	910	2.16	27	1180
2.81	14	660	2.48	20	920	2.15	27	1180
2.80	14	660	2.47	20	930	2.14	27	1190
2.79	14	670	2.46	21	940	2.13	27	1200
2.78	14	680	2.45	21	940	2.12	27	1210
2.77	14	690	2.44	21	950	2.11	28	1220
2.76	15	700	2.43	21	960	2.10	28	1220
2.75	15	700	2.42	21	970	2.09	28	1230
2.74	15	710	2.41	22	980	2.08	28	1240
2.73	15	720	2.40	22	980	2.07	28	1250
2.72	15	730	2.39	22	990	2.06	29	1260
2.71	16	740	2.38	22	1000	2.05	29	1260
2.70	16	740	2.37	22	1010	2.04	29	1270
2.69	16	750	2.36	23	1020	2.03	29	1280
2.68	16	760	2.35	23	1020	2.02	29	1290
2.67	16	770	2.34	23	1030	2.01	30	1300
						2.00	30	1300
<i>Below 2.0 does not qualify for regular admission</i>								
<i>For admissions purposes, the CSU uses only the SAT scores for mathematics and critical reading.</i>								



## UNIVERSITY OF CALIFORNIA

The University of California campuses are located in Berkeley, Davis, Santa Cruz, Los Angeles, Santa Barbara, Irvine, Riverside and San Diego. The newest campus, U.C. Merced, opened in the fall of 2004. The University of California in San Francisco is primarily a graduate program in the health professions. The University of California selects applicants from the top twelve percent of California's high school graduates. Admission is based on the student's grade point average in a specific sequence of high school courses called the "a-g" subjects completed in the 10th, 11th, and 12th grades, and the score on the ACT or the SAT. Beginning in fall 2012, the SAT II Subject Tests are no longer required for general admission, but may be recommended or required for certain schools or programs. These must be in two different areas, chosen from the following: English, history and social studies, mathematics (Level 2 only), science or language other than English. A student is required to complete 15 year-long "a-g" subjects as described below with at least a C grade in each, 11 of which must be completed by the end of the junior year. Because admission to UC is so competitive, it is recommended that students enroll in more than the minimum requirements. If admission tests are taken more than once, the highest scores from a single sitting are used in admission decisions. For additional information \ about UC including their Eligibility Index information, we recommend visiting <http://www.universityofcalifornia.edu/admissions/>.

### UC SUBJECT REQUIREMENTS FOR ADMISSION (as of Fall 2011)

#### **History/Social Science – 2 YEARS REQUIRED**

Two years of history/social science, including one year of world history, cultures and geography; and one year of U.S. history or one-half year of U.S. history and one-half year of civics or American government.

#### **English – 4 YEARS REQUIRED**

Four years of college-preparatory English that include frequent writing, from brainstorming to final paper, as well as reading of classic and modern literature. No more than one year of ESL-type courses can be used to meet this requirement.

#### **Mathematics – 3 YEARS REQUIRED, 4 YEARS RECOMMENDED**

Three years (four years recommended) of college-preparatory mathematics that include the topics covered in elementary and advanced algebra and two- and three-dimensional geometry. Approved integrated math courses may be used to fulfill part or this entire requirement, as may math courses taken in the seventh and eighth grades if the high school accepts them as equivalent to its own courses.

#### **Laboratory Science – 2 YEARS REQUIRED, 3 YEARS RECOMMENDED**

Two years (three years recommended) of laboratory science providing fundamental knowledge in two of these three foundational subjects: biology, chemistry and physics. The final two years of an approved three-year integrated science program that provides rigorous coverage of at least two of the three foundational subjects may be used to fulfill this requirement.

#### **Language Other than English – 2 YEARS REQUIRED, 3 YEARS RECOMMENDED**

Two years (three years recommended) of the same language other than English. Courses should emphasize speaking and understanding, and include instruction in grammar, vocabulary, reading, composition and culture. American Sign Language and classical languages, such as Latin and Greek, are acceptable.



## **Visual and Performing Arts (VPA) – 1 YEAR REQUIRED**

One yearlong course of visual and performing arts chosen from the following: dance, drama/theater, music or visual art.

## **College Preparatory Electives – 1 YEAR REQUIRED**

One year (two semesters), in addition to those required in "a-f" above, chosen from the following areas: visual and performing arts (non-introductory level courses), history, social science, English, advanced mathematics, laboratory science and language other than English (a third year in the language used for the "e" requirement or two years of another language).

## **COLLEGE ELIGIBILITY FOR STUDENT ATHLETES**

Students who plan to compete in collegiate athletics must go through a separate eligibility process in addition to the college application process. There are two main bodies for collegiate athletics, the NCAA and the NAIA; these are two separate organizations with different eligibility criteria and processes. Student athletes are highly encouraged to contact the college's athletics department for information and guidance specific to their sport and program. Students begin the process of applying for athletic eligibility during their junior year.

### **NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA)**

The NCAA has separate eligibility criteria for Division I, II and III programs. Eligibility is based on completion of certain course requirements, grade point average, and the score on the ACT or SAT. Only core courses are used to calculate grade point average. Students must certify their amateurism as part of the eligibility process. For more information about NCAA eligibility, including a list of courses approved for your high school, visit the NCAA website: <http://www.ncaa.org>. You can also review their Quick Reference Guide here: [http://fs.ncaa.org/Docs/eligibility\\_center/Quick\\_Reference\\_Sheet.pdf](http://fs.ncaa.org/Docs/eligibility_center/Quick_Reference_Sheet.pdf).

### **NATIONAL ASSOCIATION OF INTERCOLLEGIATE ATHLETICS (NAIA)**

Student athletes planning to compete in NAIA athletics must complete the NAIA eligibility process. Eligibility is based on grade point average, high school standing, and the score on the ACT or SAT. Students must be considered amateur athletes. For more information about NAIA eligibility and to register online, visit the NAIA eligibility center: <http://www.playnaia.org/index.php>

An entering freshman must:

- Be a graduate of an accredited high school
- Meet two out of three of the following requirements:
  1. Test Scores – Achieve a minimum of 18 on ACT or 860 on the SAT (combined score of critical reading and math only)
  2. High School GPA – Achieve a minimum overall high school GPA of 2.0 on a 4.0 scale
  3. Class Rank – Graduate in the top half of your high school class

# COLLEGE ADMISSIONS TESTING

The ACT and the new SAT Reasoning Tests are college entrance tests. Both are accepted by most colleges and universities. Use the comparison chart to determine which test best fits the student's testing preference. It is not necessary to take both tests, although students may choose to do so. Information listed below is for the purpose of giving a general overview. For the most current information regarding any test dates, fees and registration information please check with your high school's Career Center or on the websites listed.

## **ACT**

WEBSITE: <http://www.actstudent.org/>

The ACT is a multiple choice test designed to measure classroom achievement in four broad content areas, as well as the ability to reason, and the application of problem-solving skills. The test takes approximately three hours and covers English, Mathematics, Reading and Science Reasoning. The Writing Test, which is optional, measures skill in planning and writing a short essay. The score is based on the number of correct answers given with no penalty for wrong guesses. Sub-scores for English, Mathematics, Reading, and Science Reasoning, as well as a composite score, may be returned to the high school for distribution to the student or sent directly to the student's home. This test is accepted by most colleges and universities nationwide.

## **SAT**

WEBSITE: <http://www.collegeboard.com/>

The SAT with Essay Test contains both multiple-choice and essay portions. It is a test designed to measure academic aptitude in critical reading mathematics and writing. The Critical Reading section includes reading comprehension, sentence completions, and paragraph-length critical reading items. Analogies have been eliminated. The Mathematics section contains numbers and operations, algebra and functions, geometry, statistics, probability, and data analysis items. Quantitative comparison questions have been eliminated. The Writing section includes multiple-choice questions on grammar, usage, and word choice. In addition, students must complete a short written essay.

## ACT/SAT COMPARISON CHART

TEST NAME	ACT	SAT
TEST FEE	\$42.50	\$57.00
TESTING TIME (overall)	Approximately 3 Hours	Approximately 3.5 Hours
TEST PURPOSE	Designed to measure classroom achievement in four broad content areas, as well as the ability to reason and the application of problem - solving skills.	Designed to measure critical reading and reasoning skills, numerical reasoning skills, and writing skills.
TEST CONTENT	<p><b>English</b> punctuation grammar sentence structure</p> <p><b>Mathematics</b> arithmetic &amp; algebraic operations geometry intermediate algebra number &amp; numeration Concepts other topics (trig, logic, etc.)</p> <p><b>Reading</b> social science/sciences arts/literature</p> <p><b>Science Reasoning</b> biology chemistry physics physical Science</p> <p><b>Writing</b> (optional, add \$15.50) student written essay</p>	<p><b>Critical Reasoning</b> reading comprehension sentence completion critical reading in humanities</p> <p><b>Mathematics</b> arithmetic &amp; algebra other topics (logic, etc) Includes 5 questions requiring students to produce answers</p> <p><b>Writing</b> (required) multiple-choice questions on grammar, usage, &amp; word choice; student-written essay</p>
SCORES REPORTED	English Mathematics Reading Science Reasoning	Writing Mathematics Critical Reading
SCORES RELEASED	Scores are released to students, the high school and colleges/universities listed by the student	Scores are released to students, the high school and colleges/universities listed by the student
METHOD OF SCORING	Scores based on number right answers – no penalty for guessing. Writing scored combined with English, with sub-score also reported.	Lose a fraction of a point for each Incorrect answer – penalty for guessing. Writing scored separately.

## **SAT: Subject Tests**

WEBSITE: <http://www.collegeboard.com/>

The SAT Subject Test consists of one-hour multiple-choice tests in specific subject areas. Some colleges, including all campuses in the UC system, require these tests for admission. Unlike the SAT, which measures more general abilities, Subject Tests measure students' knowledge of a particular subject and their ability to apply that knowledge. Because of this, students should try to take an SAT II subject test as soon as possible after completing the last course in a specific subject.

### **Tests offered include:**

#### English

Literature

#### History

United States History

World History

#### Mathematics

Mathematics Level 1

Mathematics Level 2

#### Science

Biology E/M

Chemistry

Physics

#### Languages

French

French with Listening

German

German with Listening

Spanish

Spanish with Listening

Modern Hebrew

Italian

Latin

Chinese with Listening

Japanese with Listening

Korean with Listening

Some colleges require a specific combination of SAT Subject Tests; some colleges/universities allow students to choose their own. Students are encouraged to check individual college admission requirements before deciding which tests to take.

## **PSAT/NMSQT: Preliminary SAT**

WEBSITE: <http://www.collegeboard.com/>

The Preliminary SAT is given once a year, in October. This test, usually taken in the Junior year, is used to determine the winners of National Merit Scholarships and is an excellent practice experience for the SAT. When space permits, students are encouraged to take the PSAT *for free as sophomores* for practice on these college preparation exams.

## **TOEFL: Test of English as a Foreign Language**

WEBSITE: [www.toefl.org](http://www.toefl.org)

The TOEFL is used to evaluate English proficiency of students whose native language is not English. This test does not replace the ACT or SAT. UC and CSU systems require the TOEFL if 2 years of high school were in a country where the language of instruction was not English.

## **ADVANCED PLACEMENT EXAMS**

WEBSITE: [www.collegeboard.com](http://www.collegeboard.com)

The Advanced Placement (AP) Program is a program of college-level courses and exams for secondary school students. Over 90 percent of the colleges give credit and/or advanced placement to students who score in the upper range of the test (3 or better). The examination is scored on a five-point scale: 5 (extremely well qualified) to 1 (no recommendation). An AP Grade

Report is sent in early July to each student's home address, school and, if the student requested, to the college.

# GRADUATION REQUIREMENTS

## **SACRAMENTO CITY UNIFIED HIGH SCHOOL GRADUATION REQUIREMENTS**

A student must earn a minimum of 225 credits, meeting specific course and subject area requirements, and must pass both sections of the California High School Exit Exam in order to receive a high school diploma:

<b>Social Science</b>	<b>40 credits</b>
*Geography – 5 credits	
*Ethnic Studies – 5 credits	
*World History – 10 credits	
*U.S. History – 10 credits	
*Economics – 5 credits	
*Government – 5 credits	
<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>Math (2 Years)</b>	<b>20 credits</b>
* Math I – 10 credits	
* Math II – 10 credits	
<b>Science (1st and 2nd semester of each)</b>	<b>20 credits</b>
*Physical Science – 10 credits (i.e. Earth Science, Chemistry, and Physics)	
*Biology – 10 credits (i.e. Life Science)	
<b>World Language</b>	<b>10 credits</b>
<b>Visual &amp; Performing Arts</b>	<b>10 credits</b>
<b>Physical Education</b>	<b>20 credits</b>
<b>Electives</b>	<b>65 credits</b>
<hr/>	
<b>Total Credits Required for Graduation</b>	<b>225 credits</b>

## TESTING REQUIREMENTS FOR GRADUATION

Pass the Senior Project & Presentation

**Graduates are encouraged by their Guidance Counselors to attend Universities, State Colleges, Community Colleges, and Vocational Training Programs; join the Military or attend Community College and transfer to a University or State College.**

### A-G SUBJECT AREA DESIGNATIONS FOR UC/CSU

The **A-G / College Entrance Requirements** are a sequence of high school courses that students must complete (with a grade of C or better) to be minimally eligible for admission to the University of California (UC) and California State University (CSU). They represent the basic level of academic preparation that high school students should achieve to undertake university work. Graduates who complete college entrance A-G requirements and ACT/SAT Testing may attend CSU, UC or most private colleges and universities.

The following chart summarizes the A-G / College Entrance Requirements:

	Subject Area	Years	Details
A	History and Social Science	2	Two years of history/social science, including one year of World History, Cultures or Geography; and one year of US History or one-half year of US History and one-half year of American Government.
B	English	4	Four Years of college preparatory English that includes frequent and regular writing, and reading of classic and modern literature. Students may only use 1 year of ESL/ELD English to count toward this requirement.
C	Mathematics	3	4 years recommended, but 3 years required. Three years of college preparatory mathematics that includes the topics covered in Elementary Algebra/Algebra 1, Geometry and Advanced Algebra/Algebra 2. Approved Integrated Math course may be used to fulfill part of all of these requirements.
D	Laboratory Science	2	3 years recommended, but 2 years required. Two years of laboratory science, including two of the three fundamental disciplines of Biology, Chemistry and Physics. This requirement can also be met by completing the latter two years of a 3-year Integrated Science program.
E	Language Other than English	2	3 years recommended, but 2 years required. Two years of the same "other than English" language.
F	Visual and Performing Arts	1	One year (two semesters) of Visual or Performing Arts classes; including art, computer graphics, drama, dance or music.
G	College Preparatory Electives	1	One year (two semesters), chosen from additional "A-F" courses beyond those used to satisfy the requirements above, or courses that have been approved solely for use as "G" electives.

## **ADDITIONAL INFORMATION ON THE A-G/COLLEGE ENTRANCE REQUIREMENTS**

The purpose of the A-G/College Entrance Requirements is to ensure that entering students:

- Can participate fully in the first year program at UC and CSU in a broad variety of fields of study;
- Have attained the necessary preparation for courses, majors, and programs offered at UC and CSU;
- Have attained a body of knowledge that will provide breadth and perspective to new, more advanced studies; and
- Have attained essential critical thinking and study skills.

For further information, please visit the following online resources:

- A-G Course Lists (search by high school) – <https://doorways.ucop.edu/list/>
- California Colleges – <https://www.californiacolleges.edu/>
- University of California A-G Guide – <https://www.ucop.edu/a-gGuide/>

# **SENIOR PROJECT INFORMATION**

## **SENIOR PROJECT**

The Senior Project is designed to provide students with the opportunity to apply all that they have learned in 12 years of school and focus it toward a community outreach project and reflection essay. The hope is that by reaching out to the community, students will challenge all of their abilities, stretch their limitations, and be rewarded. The final score is a sum of all of the scores for the following components:

- Senior Project Approval Form
- Preliminary Project Proposal
- Finalized Project Proposal
- Mentor Agreement Form
- 20 Hours of Community Service
- Reflection Essay

**Additional information regarding the Senior Project can be found at:  
[www.jfk.scusd.edu/post/senior-project](http://www.jfk.scusd.edu/post/senior-project)**



# COURSE DESCRIPTIONS BY CONTENT AREA

The following guide details the wide range of course selections available. All courses required for graduation and college admission are offered and are approved in advance by the SCUSD Board of Trustees. Course selections are determined by a number of factors including: graduation and college admissions requirements; school and district achievement data; student interest; teacher availability/expertise; and fiscal resources. In some instances, due to these factors, courses listed in this guide may not be available. Please seek assistance from your counselor if this occurs.

## **HOW TO READ THE COURSE DESCRIPTIONS**

Each course description includes credits earned, grade level and recommended precursor courses, if applicable, and a short narrative. In addition, the University of California and California State University “a-g” designations are denoted. Each subject area lists a general description about the connection to that area and both high school graduation and UC eligibility requirements. Eligibility requirements detail the minimum requirements to be eligible for admission into the UC system. For specific admissions criteria of particular colleges and universities, please check directly with the appropriate institution’s admissions office.

## **SUGGESTED COURSE SELECTIONS FOR UC/CSU BOUND STUDENTS**

Below are suggested general course selection outlines for students who are UC/CSU bound.

### **9th Grade**

English 9 ***or***  
Advanced English 9  
Geography/CGI  
Integrated Math 1 ***or*** higher  
Physical Science ***or*** Biology  
Physical Education  
Foreign Language

### **10th Grade**

English 10 ***or***  
Advanced English 10  
World History ***or***  
AP World History  
Geometry ***or*** Higher  
Biology ***or*** Chemistry  
Physical Education  
Foreign Language (2nd Year)

### **11th Grade**

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

### **12th Grade**

English 12 ***or***  
AP English Literature ***or***  
Expository Reading & Writing  
US Government/Modern Economics or  
AP US Government/Modern Economics  
4th Year Math ***or*** Elective  
4th Year Science ***or*** Elective  
4th Year Foreign Language ***or*** Elective

**NOTE:** Students in a Learning Academy Program or PACE may follow a different schedule. Please see next page for academy descriptions and required courses for each grade.

# LEARNING ACADEMY PROGRAMS

John F. Kennedy High School's Learning Academy Programs are designed to create a unique experience for our students. With exciting and rigorous curriculum, students enrolled in one of our Learning Academies will be better prepared to pursue 4 year universities, specific careers, and/or vocations aligned to each program. Students participate in a variety of field trips and competitions to engage in the curriculum, as well.

## **PACE - Program in American and Californian Exploration**

PACE offers students a four-year advanced academic program. The goal is to ensure that all PACE graduates are prepared to attend and succeed at competitive four-year colleges and universities. Each PACE student takes a rigorous college-prep curriculum (including Advanced Placement English, history, math, science, and foreign language) and takes uniquely designed English and History courses with an emphasis on California history, government, and literature, with writing across the curriculum.

### **9<sup>TH</sup> GRADE REQUIRED COURSES:**

PACE ENGLISH 9  
GEOGRAPHY/ETHNIC STUDIES  
Math, Science, Physical Education, and Elective  
Courses are chosen based on 8<sup>th</sup> grade scores.

### **10<sup>TH</sup> GRADE REQUIRED COURSES:**

PACE ENGLISH 10  
AP WORLD HISTORY  
Math, Science, Physical Education, and Elective  
Courses are chosen based on 9<sup>th</sup> grade scores.

## **MAD - Manufacturing and Design**

MAD offers many diverse opportunities for students interested in product design and development processes, the principles of design, computer aided design, fabrication and manufacturing process, sustainability, and the principles of business and entrepreneurship. This rigorous sequence of courses and classroom experiences infused with cross curricular problem-based projects and practical applications encourage outcome-based learning and celebrate all students' achievements. This program also provides students with the skills, experiences and opportunities to access a wide range of post-secondary education and workforce development options.

### **9<sup>TH</sup> GRADE REQUIRED COURSES:**

ARCHITECTURE DESIGN (*9<sup>th</sup> grade elective*)  
ENGLISH 9  
GEOGRAPHY/ETHNIC STUDIES  
Math, Science, and Physical Education Courses are  
chosen based on 8<sup>th</sup> grade scores.

### **10<sup>TH</sup> GRADE REQUIRED COURSES:**

PRINCIPLES OF ENGINEERING (*10<sup>th</sup> grade elective*)  
ENGLISH 10  
WORLD HISTORY/ AP WORLD HISTORY  
Math, Science, and Physical Education Courses are  
chosen based on 9<sup>th</sup> grade scores.

### **11<sup>TH</sup> GRADE REQUIRED COURSES:**

AP ENG. 11 [LANGUAGE & COMPOSITION]  
AP U.S. HISTORY/HONORS U.S. HISTORY  
Math, Science, World Language and Elective Courses  
are chosen based on 9<sup>th</sup> and 10<sup>th</sup> grade scores.

### **12<sup>TH</sup> GRADE REQUIRED COURSES:**

AP ENG 12 [LITERATURE & COMPOSITION]  
AP GOVERNMENT (1 SEMESTER)  
MODERN ECONOMICS (1 SEMESTER)  
Math, Science, World Language and Elective Courses  
are chosen based on 9<sup>th</sup>, 10<sup>th</sup> and 11<sup>th</sup> grade score

### **11<sup>TH</sup> GRADE REQUIRED COURSES:**

INTRO TO ENGINEERING & ENERGY (*11<sup>th</sup> grade  
elective*)  
ENGLISH 11/A.P. ENGLISH LANGUAGE  
U.S. HISTORY/HONORS US HISTORY  
Math, Science and World Language Courses are  
chosen based on 9<sup>th</sup> and 10<sup>th</sup> grade scores.

### **12<sup>TH</sup> GRADE REQUIRED COURSES:**

ADVANCED ENGINEERING AND ENERGY (*12<sup>th</sup> grade  
elective*)  
ERWC (ENGLISH 12) / A.P. ENGLISH LIT  
GOV/ECON/ or A.P. GOV/ECON  
Math, Science and World Language Courses are  
chosen based on 9<sup>th</sup>, 10<sup>th</sup> and 11<sup>th</sup> grade scores.

## **CJA - Criminal Justice Academy Program**

This magnet academy includes all basic high school course requirements plus specialized training in the field of law enforcement. Students will study the basic course materials used by those in training to be police cadets. Additionally, the curriculum covers investigative procedures, forensic science, physical training and principles of the law. The JFK CJA Program is offered through a partnership with the Sacramento Police Department. Students will be provided opportunities to explore the broad range of careers within the field of criminal justice during their enrollment in the program. Many students will be eligible to apply for the position of Public Service Aide with the Sacramento PD, while continuing their education at a local college or university, possibly leading to a position as a sworn officer or full time civilian position with the City of Sacramento.

**9<sup>TH</sup> GRADE REQUIRED COURSES:**

LAW & EQUITY I (*9<sup>TH</sup> grade elective*)  
CRIMINAL JUSTICE P.E.  
ENGLISH 9  
GEOGRAPHY/ETHNIC STUDIES  
Math and Science Courses are chosen based on 8<sup>th</sup> grade scores.

**10<sup>TH</sup> GRADE REQUIRED COURSES:**

LAW & EQUITY II (*10<sup>th</sup> grade elective*)  
CRIMINAL JUSTICE P.E.  
ENGLISH 10  
WORLD HISTORY  
BIOLOGY (If not completed in 9<sup>th</sup> grade)  
GEOMETRY (If not completed in 9<sup>th</sup> grade)

**11<sup>TH</sup> GRADE REQUIRED COURSES:**

LAW & EQUITY III (*11<sup>th</sup> grade elective*)  
CRIMINAL JUSTICE P.E.  
ENGLISH 11  
U.S. HISTORY  
Science will not be taken in 11<sup>th</sup> grade. Math class is chosen based on 9<sup>th</sup> and 10<sup>th</sup> grade scores.

**12<sup>TH</sup> GRADE REQUIRED COURSES:**

LAW & EQUITY IV (*11<sup>th</sup> grade elective*) [**Taken as Government**] + **ECONOMICS**  
CRIMINAL JUSTICE P.E.  
ENGLISH 12  
CHEMISTRY (If not completed in 10<sup>th</sup> or 11<sup>th</sup> grade)  
**OR**  
BIOLOGY (If not completed in 10<sup>th</sup> or 11<sup>th</sup> grade)  
WORLD LANGUAGE  
Modern Economics is taken as Independent Study with Mr. Herner. Math is not taken during 12<sup>th</sup> grade UNLESS all required math courses needed for UC/CSU entry have not been met OR to meet general graduation requirements.

**MCJROTC - Marine Junior Reserve Officer's Training Corps**

The JFK MCJROTC program is a partnership with the United States Marine Corps focusing on leadership, discipline and the Marine Corps curriculum. Students completing the four year program will be prepared to enter the military after graduation. This program has been viewed as a strong program that provides youth with much-needed skills in citizenship and numerous studies have shown that students who participate in JROTC programs have better attendance, grades, and graduation rates relative to students who were in general academic programs.

**9<sup>TH</sup> GRADE REQUIRED COURSE:**

P.E. - MCJROTC (1<sup>ST</sup> YEAR)

**10<sup>TH</sup> GRADE REQUIRED COURSE:**

P.E. - MCJROTC (2<sup>ND</sup> YEAR)

**11<sup>TH</sup> GRADE REQUIRED COURSE:**

MC LEAD EDUCATION (3<sup>RD</sup> YEAR)

**12<sup>TH</sup> GRADE REQUIRED COURSE:**

MC LEAD EDUCATION (4<sup>TH</sup> YEAR)

# CORE SUBJECT COURSE SELECTION

Courses for the following core subject areas can be found in this section:

**ENGLISH  
SCIENCE  
MATHEMATICS  
SOCIAL SCIENCE  
PHYSICAL EDUCATION/MCJROTC**

# ENGLISH

## **ENGLISH 9**

**(a-g) / Graduation Requirement**

**EZS101-EZS102**

**10 Credits**

Grade Level: 9

Grade Level Restrictions: None

Prerequisites: None

(Satisfies ENGLISH Graduation Requirements)

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.

## **PACE ENGLISH 9**

**(a-g) / Graduation Requirement**

**EPS100-EPS101**

**10 Credits**

Grade Level: 9

Grade Level Restrictions: PACE 9th Grade Only

Prerequisites: Acceptance in to the PACE Program

(Satisfies ENGLISH 9 Graduation Requirements)

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 groundwork 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 to work at a high level. Regardless of these high expectations, student can expect a fun and enlightening experience.

## **ENGLISH 10**

**(a-g) / Graduation Requirement**

**EZS301-EZS302**

**10 Credits**

Grade Level: 10

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

Prerequisites: English 9

(Satisfies ENGLISH 10 Graduation Requirements)

This class is designed to address all of the California State Standards for English Language Arts as directed in the SCUSD Standards Map issued in August of 2009, as well as the California Common Core Standards adopted in October of 2010. In addition to covering the standards in conjunction with our textbook, credits 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 credits 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.

## **PACE ENGLISH 10**

**(a-g) / Graduation Requirement**

**EPS200-EPS201**

**10 Credits**

Grade Level: 10th

Grade Level Restrictions: PACE 10th Grade Only

Prerequisites: Acceptance in to the PACE Program

(Satisfies ENGLISH 10 Graduation Requirements)

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**

**(a-g) / Graduation Requirement**

**EZS303-EZS304**

**10 Credits**

Grade Level: 11

Grade Level Restrictions: 11th or 12th Grade

Prerequisites: Successful completion of any English 9 and English 10

(Satisfies ENGLISH 11 Graduation Requirements)

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.

**AP ENGLISH 11 LANGUAGE & COMPOSITION**

**(a-g) / Graduation Requirement**

**EZS328-EZS329**

**10 Credits**

Grade Level: 11

Grade Level Restrictions: 11th or 12th grade

Prerequisites: A-B in Advanced English 10 / Teacher Recommendation

(Satisfies ENGLISH 11 Graduation Requirement)

This course 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. This course is also recommended for students with an "A" in regular English 10.

**ENGLISH 12**

**(a-g) / Graduation Requirement**

**EZS305-EZS306**

**10 Credits**

Grade Level: 12

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.

**AP ENGLISH 12 LITERATURE & COMPOSITION****(a-g) / Graduation Requirement****EZS330-EZS331****10 Credits**

Grade Level: 12

Grade Level Restrictions: 12th grade only

Prerequisites: A-B in Advanced English 11 / Teacher Recommendation

(Satisfies ENGLISH 12 Graduation Requirement)

This course is 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. This course is also recommended for students with an "A" in regular English 11.

**EXPOSITORY READING AND WRITING****(a-g) / Graduation Requirement****ERW100/ERW101****10 Credits**

Grade Level: 12

Grade Level Restrictions: 12th grade only

(Satisfies ENGLISH 12 Graduation Requirement)

Prerequisites: CELDT Intermediate or lower / Teacher Recommendation

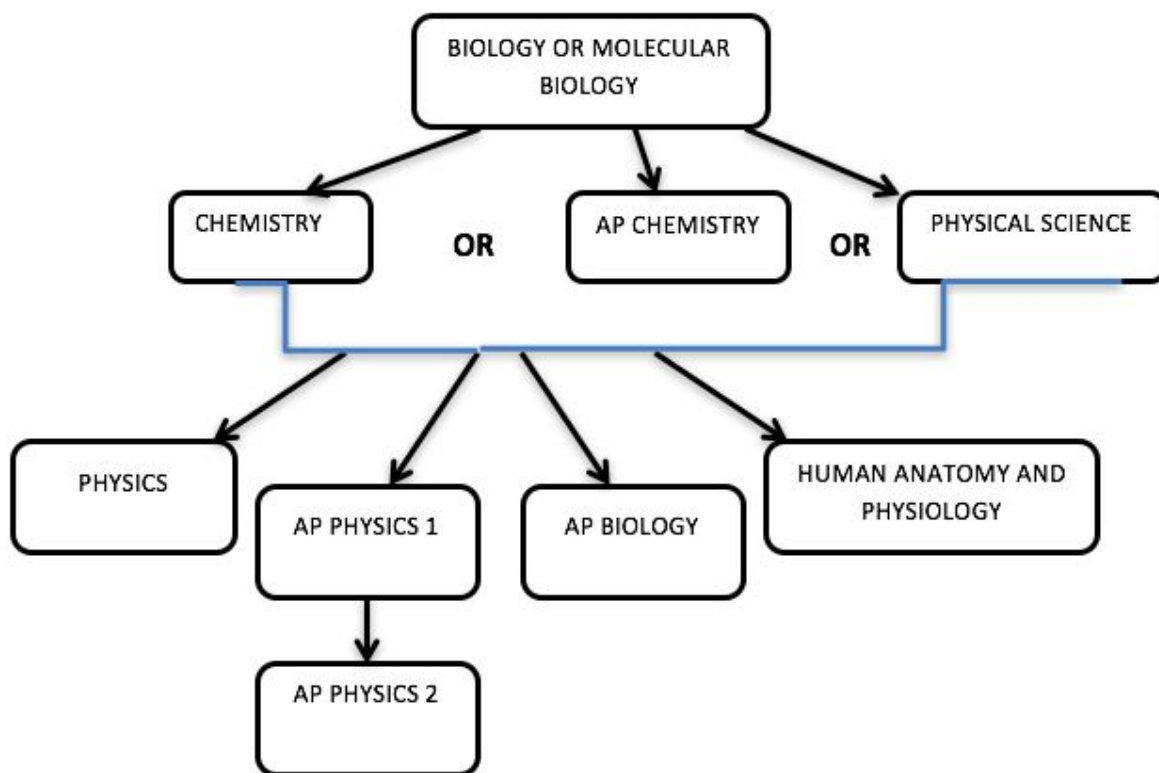
The goal of the Expository Reading and Writing Course (ERWC) is to prepare college-bound seniors for the literacy demands of higher education. Through a sequence of eight to ten rigorous instructional modules, students in this yearlong, rhetoric-based course develop advanced proficiency in expository, analytical, and argumentative reading and writing. The cornerstone of the course—the ERWC Assignment Template—presents a scaffold process for helping students read, comprehend, and respond to nonfiction and literary texts. Modules also provide instruction in research methods and documentation conventions. Students will be expected to increase their awareness of the rhetorical strategies employed by authors and to apply those strategies in their own writing. They will read closely to examine the relationship between an author's argument or theme and his or her audience and purpose; to analyze the impact of structural and rhetorical strategies; and to examine the social, political, and philosophical assumptions that underlie the text. By the end of the course, students will be expected to use this process independently when reading unfamiliar texts and writing in response to them.



# SCIENCE

## SCIENCE CLASSES

(Biology and Chemistry are the minimum for UC/CSU admissions)



**PHYSICAL SCIENCE****(a-g) / Graduation Requirement****QRS301-QRS302****10 Credits**

Grade Level: 11-12

Grade Restrictions: None

Prerequisites: Concurrent enrollment in Integrated Math 1

(Satisfies Physical Science Graduation Requirement)

This course explores the foundation of Earth Science in the following related fields: Geology (with emphasis on CA Geology), Meteorology, Oceanography, and Astronomy. These units are designed to increase the students' understanding of the physical universe as it affects their lives. Realizing the diversity of students' interests and abilities, activities and lessons are designed to develop critical thinking, attitudes of independent inquiry and problem solving skills through the use of textbook, computer labs, videos, computer-based models, and hands-on activities. The students will be engaged in cooperative learning in doing lab investigations and unit projects. Throughout the course the students are expected to develop skills and confidence in designing lab experiments, writing lab reports and oral presentations.

**BIOLOGY****(a-g) / Graduation Requirement****QBS281-QBS282****10 Credits**

Grade Level: 9-12

Grade Restrictions: None

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

(Satisfies Biology Science Graduation Requirement and University of California Life Science "a-g" requirement)

This curriculum is implemented with the understanding that each student needs 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 topics. 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.

**MOLECULAR BIOLOGY****(a-g) / Graduation Requirement****QBS283-QBS284****10 Credits**

Grade Level: 9

Grade Restrictions: 9<sup>th</sup> Grade Only

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

(Satisfies Biology Science Graduation Requirement and University of California Life Science "a-g" 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.

**AP BIOLOGY****(a-g) / Graduation Requirement****QBS290-QBS291****10 Credits**

Grade Level: 11-12

Grade Restrictions: 11<sup>th</sup> – 12<sup>th</sup> Grade Only

Prerequisites: Biology / Molecular Biology with grade “B” or better, “B” or better in Chemistry, Concurrent enrollment in Integrated Math II or higher

(Satisfies Biology Science Graduation Requirement and University of California Life Science "a-g" requirement)

AP Biology is a rigorous, college-level course for highly motivated and college-bound students who are interested in pursuing a career in science. The course will cover in depth all important concepts of college biology with the emphasis on students' development of critical thinking and analytical skills, rather than memorizing terms and technical details. AP Biology will focus on major recurring themes in biology including science as a process, evolution, energy transfer, continuity and change, relationship of structure to function, regulation, interdependence of nature, science, technology, and society. Students will develop their verbal, written, and graphic communication skills through laboratory reports, summary of literature or scientific investigation, and published scientific journals. In addition, the course provides students with opportunities to connect their biological and scientific knowledge to major biosocial issues and become scientifically literate citizens. The AP labs are equivalent of those in college biology courses. Honor credits will be awarded and some universities accept this course for credits provided a passing score on the National AP Exam in May.

**CHEMISTRY****(a-g) / Graduation Requirement****QCS250-QCS251****10 Credits**

Grade Level: 10-12

Grade Restrictions: 10<sup>th</sup> Grade or Above

Prerequisites: Biology / Molecular Biology with a “C” or better / Integrated Math 1 with a “C” or better (Satisfies Physical Science Graduation Requirement and UC/CSU Physical Science "a-g" requirement)

This is an inorganic chemistry course designed for the college-bound student interested in scientific study. It is a year-long course that satisfies a physical science requirement for graduation as well as meeting the a-g requirements for college. The majority of the curriculum will focus on inorganic topics of study including atomic and molecular structure, chemical bonds, conservation of matter, gases, reaction rates, thermodynamics, nuclear and organic chemistry, and an introduction to biochemistry. Approximately 25% of class time is devoted to laboratory work emphasizing appropriate lab procedures, investigations and inquiry-based learning.

**AP CHEMISTRY****(a-g) / Graduation Requirement****QCS240-QCS241****10 Credits**

Grade Level: 10-12

Grade Restrictions: 10<sup>th</sup> Grade or Above

Prerequisites: Biology/Molecular Biology with a “B” or better / Currently enrolled in Math II or higher / Science CST - Proficient

(Satisfies Physical Science Graduation Requirement and UC/CSU Physical Science "a-g" requirement)

For college-bound students who are interested in advanced scientific study, this AP Chemistry course is designed to be the equivalent of the general chemistry course taken during the first year of college. The course is structured around the six big ideas articulated in the AP Chemistry curriculum framework provided by the College Board. The six big ideas include: structure of matter, properties of matter, chemical reactions, rates of chemical reactions, thermodynamics and equilibrium. A special emphasis will be placed on the seven science practices, which capture important aspects of the work that scientists engage in with learning objectives that combine content with inquiry and reasoning skills. Approximately 25% of class time will focus on laboratory

work with an emphasis on inquiry-based labs. AP Chemistry is open to qualified students who wish to take part in a rigorous and academically challenging course.

## **PHYSICS**

**(a-g) / Graduation Requirement**

### **QPS201-QPS202**

#### **10 Credits**

Grade Level: 11-12

Grade Restrictions: 11<sup>th</sup> - 12<sup>th</sup> Grade Only

Prerequisites: Must have completed Integrated Math I & II with a "C" or better in both semesters / Currently enrolled in Integrated Math III or higher

(Satisfies Physical Science Graduation Requirement and UC/CSU Physical Science "a-g" requirement)

Physics is a year-long course, which examines motion, forces, energy, heat, waves, electricity and more. 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. We can hope for best results if we clearly present how science works and the processes and methods which expand scientific knowledge.

## **AP PHYSICS**

**(a-g) / Graduation Requirement**

### **QPS502-QPS503**

#### **10 Credits**

Grade Level: 11-12

Grade Restrictions: 11-12<sup>th</sup> Grade Only

Prerequisites: Must have a "B" or better in all previous math classes / Currently enrolled in Math III or higher / May NOT be taken if Physics was taken in a previous year

(Satisfies Physical Science Graduation Requirement and UC/CSU Physical Science "a-g" requirement)

AP Physics is a year-long course and is intended to be representative of courses commonly offered in colleges and universities. Advanced Placement (AP) Physics 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 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.

## **AP PHYSICS 2**

**(a-g) / Graduation Requirement**

### **QPS503/QPS504**

#### **10 Credits**

Grade Level: 11-12

Grade Restrictions: 11-12<sup>th</sup> Grade Only

Prerequisites: Must have a "B" or better in all previous math classes / Currently enrolled in Math III or higher / May NOT be taken if Physics was taken in a previous year

(Satisfies Physical Science Graduation Requirement and UC/CSU Physical Science "a-g" requirement)

## **HUMAN ANATOMY & PHYSIOLOGY**

**(a-g) / Elective**

### **QSS211-QSS212**

#### **10 Credits**

Grade Level: 11-12

Grade Level Restrictions: 11th and 12th Grade Only

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

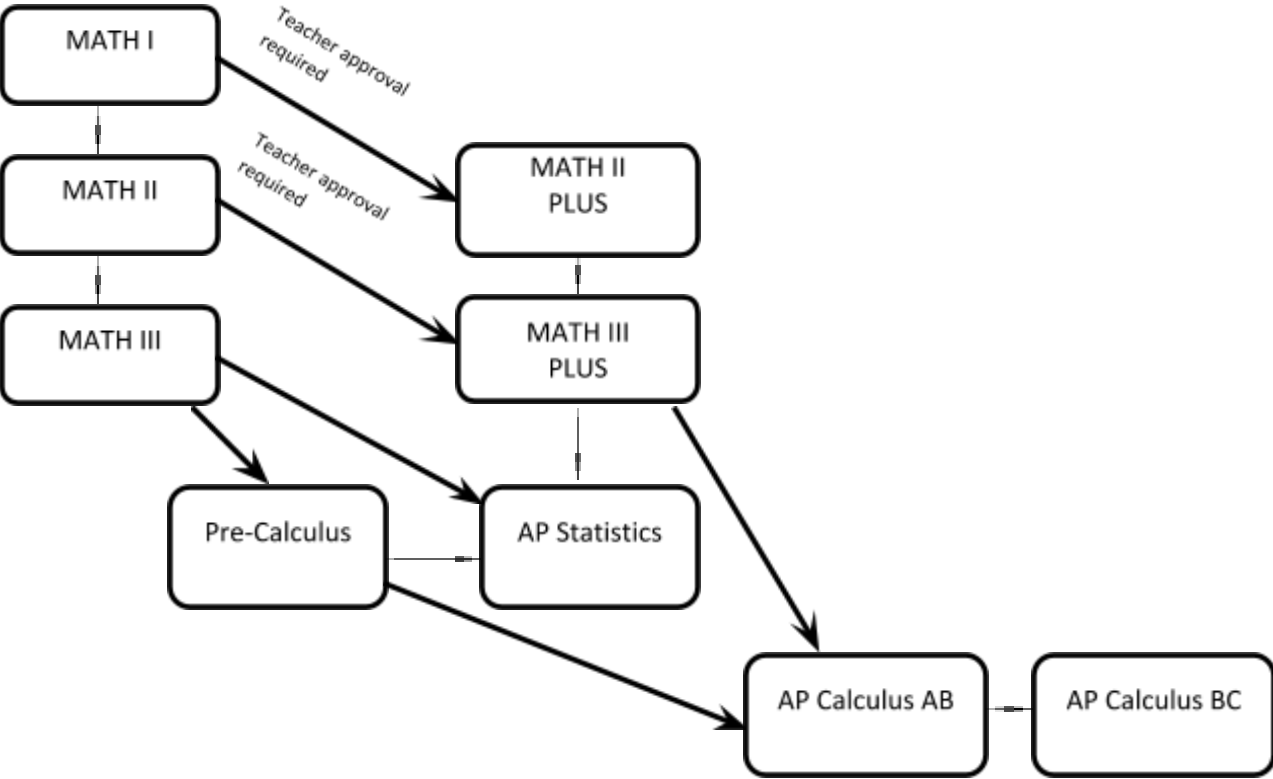
(Satisfies Biology Science Graduation Requirement and the University of California Life Science "a-g" requirement)

This course is a comprehensive study of the structure, function, and organization of the human body, as related through the common functional themes of support, movement, integration, regulation, 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, and Reproductive System.

# MATHEMATICS

## FLOW CHART FOR MATH CLASSES

### Integrated Math Progression



**MATH I****(a-g) / Graduation Requirement****MIS101-MIS102****10 Credits**

Grade Level: 9 – 12

Grade Restrictions: None

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

This is a first year in which students will learn to reason symbolically. The course is based on the Common Core State Standards for Mathematics and is a key course for success on the California High School Exit Exam. The key content includes writing, solving, and graphing linear functions and inequalities, including systems of two linear equations in two unknowns. Other key content includes writing, solving, and graphing exponential equations. Additionally, students will model real-life scenarios from a data set and apply it to course content by summarizing, representing and interpreting the data. This course also establishes criteria for congruence based on rigid motion.

**MATH II****(a-g) / Graduation Requirement****MIS201-MIS202****10 Credits**

Grade Level: 9 – 12

Grade Restrictions: None

Prerequisites: Pass Integrated Math I with a "C" or better

(Satisfies the Integrated Math II Graduation Requirement)

This course expands on laws of exponents to rational exponents. Students will compare key characteristics of quadratic functions with those of linear and exponential functions. These topics extend to creating and solving equations and inequalities involving linear, exponential, and quadratic expressions. Work with probability is expanded. Criteria for similar triangles based on dilations and proportional reasoning is established. Geometric proof is introduced and done in a bevy of ways. The proofs extend to trigonometry and its application. Additional topics include imaginary numbers, solid geometry and circle/parabola conic sections.

**MATH II PLUS****(a-g) / Graduation Requirement****MIS203-MIS204****10 Credits**

Grade Level: 9 – 12

Grade Restrictions: None

Prerequisites: Pass Integrated Math I with an "A" or "B" / Teacher Recommendation Required

(Satisfies the Integrated Math II Graduation Requirement)

This advanced course covers the same topics as delineated in MATH II with the addition of Vectors, the Fundamental Theorem of Algebra, Polynomials identities involving complex numbers, and a few more topics.

**MATH III****(a-g) / Graduation Requirement****MIS301-MIS302****10 Credits**

Grade Level: 9 – 12

Grade Restrictions: None

Prerequisites: Pass Math II or Math II Plus with "C" or better

This course 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.

**MATH III PLUS  
MIS303-MIS304**

**(a-g) / Graduation Requirement**

**10 Credits**

Grade Level: 9 – 12

Grade Restrictions: None

Prerequisites: Pass Math II Plus with a “C” or better / Math II with an “A” / Teacher Recommendation Required

This course covers, in depth, all topics listed under Math III with supplementation in the subject of intermediate trigonometry, including the hand computation of trigonometric values at standard points, 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.

**QUANTITATIVE REASONING WITH ADV MATH TOPICS (QRAT)  
MHS101/MHS102**

**(a-g) / Graduation Requirement**

10 Credits

Grade Level: 12

Grade Level Restrictions: 12th grade only

Prerequisites: Teacher Recommendation / Scored Conditionally ready on the SBAC or received a low “B” or “C” grade in Math III

Designed for seniors, this course revisits previous mathematics concepts such as linear, quadratic and exponential functions, to provide opportunities to strengthen students’ mathematics foundation, develop a greater perspective of the underlying structures of mathematics, and see how mathematical topics are connected. Quantitative reasoning skills needed for success in college-level courses or the workplace are developed utilizing real-life applications, working with polynomial and rational functions, basic calculus concepts, and the mathematics of finance.

A letter grade of C or better in the second semester of this course (a UCOP designated Advanced Mathematics course) validates the entire high school college preparatory requirement.

**TRANSITION TO QUANTITATIVE REASONING (TQR)  
MQR401/MQR402**

**(a-g) / Graduation Requirement**

10 Credits

Grade Level: 12

Grade Level Restrictions: 12th grade only

Prerequisites: Teacher Recommendation / Scored Conditionally ready on the SBAC or received a low “B” or “C” grade in Math III

Designed for seniors, this course provides opportunities to strengthen students’ mathematics foundation, develop a greater perspective of the underlying structures of mathematics, and to see how mathematical topics are connected. Quantitative reasoning skills needed for success in college-level courses or the workplace are developed utilizing real-life applications, including financial mathematics.

**ADV PRECAL 1HP/2HP  
MPS020-MPS021**

**(a-g) / Graduation Requirement**

**10 Credits**

Grade Level: 9 – 12

Grade Restrictions: None

Prerequisites: Pass Math III with an "C" or better

This is a 1 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.

**AP STATISTICS**

**(a-g) / Graduation Requirement**

**MSS270-MSS271**

**10 Credits**

Grade Level: 9 – 12

Grade Restrictions: None

Prerequisites: Pass Math III with a "C" or better

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

**AP CALCULUS AB**

**(a-g) / Graduation Requirement**

**MCS201-MCS202**

**10 Credits**

Grade Level: 9 – 12

Grade Restrictions: None

Prerequisites: Pass Pre-Calculus or Advanced Pre-Calculus with a "C" or better / Pass Math III Plus with a "B" or better

AP Calculus AB is a college level calculus in the study of the Calculus of functions of a single variable. The three main concepts in calculus are limits of a function, differentiation, and integration. Both Calculus AB and Calculus BC cover these three main concepts, except that in Calculus AB the focus is on elementary functions and the basic methods of integration. Students are expected to master the basics of Calculus with and without a graphing calculator.

**AP CALCULUS BC**

**(a-g) / Graduation Requirement**

**MCS303-MCS304**

**10 Credits**

Grade Level: 9 – 12

Grade Restrictions: None

Prerequisites: Pass AP Calculus AB with a "B" or better and Pass Pre-Calculus with an "A" or better

AP Calculus BC is a college level calculus in the study of the calculus of functions of a single variable. The three main concepts in calculus are limits of a function, differentiation, and integration. Both Calculus AB and Calculus BC cover these three main concepts, except that in Calculus BC, several non-elementary functions will be studied using the differentiation and integration processes. And additional techniques in integration will be studied as well.

**BEGINNING CODING**

**Elective**

**MQR410-MQR411**

**10 Credits**

Grade Level: 9 – 12

Prerequisites: Completion of Integrated Math I

The course will provide an entry-level experience in programming. The class will link elements of programming in the Python and Swift languages to the mathematic curricula at JFK. JFK does not currently have a class that covers programming. Many students have expressed their interest in the skill.

## SOCIAL SCIENCE

### **GEOGRAPHY**

**(a-g) / Graduation Requirement**

#### **SGS120**

#### **5 Credits**

Grade Level: 9

Grade Restrictions: 9<sup>th</sup> – 12<sup>th</sup> Grades

Prerequisites: None

(Satisfies the Social Science Graduation Requirement and the UC/CSU Elective "a-g" requirements)

This is a one year long social science course designed for 9th 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 high school at the beginning of the school year.

### **ETHNIC STUDIES**

**(a-g) / Graduation Requirement**

#### **SGF200**

#### **5 Credits**

Grade Level: 9

Grade Restrictions: 9<sup>th</sup> – 12<sup>th</sup> Grades

Prerequisites: None

(Satisfies the Social Science Graduation Requirement and the UC/CSU Elective "a-g" requirements)

Ethnic Studies is an interdisciplinary course that uses a comparative and historical perspective to examine the languages, values, and voices of diverse groups within the United States. Using the skills and knowledge under the Common Core Standards for History/Social Studies students will investigate the practice of naming and being named, the intersection between ethnicity, culture, nationality, race, and gender, and the historic, economic and personal consequences of oppression and resistance. Students will also learn how the social construction of identity is created, contested, and altered by historic and economic processes. Emphasis will be on African-Americans, Asian/Pacific Islanders, Chicanos/Latinos, Native Americans and other ethnic groups in Sacramento and Northern California.

### **WORLD HISTORY**

**(a-g) / Graduation Requirement**

#### **SJS100-SJS101**

#### **10 Credits**

Grade Level: 10

Grade Level Restrictions: 10<sup>th</sup> – 12<sup>th</sup> Grades

Prerequisites: None

(Satisfies the Social Science Graduation Requirement and the UC/CSU Elective "a-g" requirements)

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.

## **AP WORLD HISTORY**

**(a-g) / Graduation Requirement**

**SJS140-SJS141**

**10 Credits**

Grade Level: 10

Grade Level Restrictions: 10th grade only

Prerequisites: CST - Proficient / Pass English 9 & Geography with "B" or better / summer reading and assignments completed / Teacher Recommendation

(Satisfies the Social Science Graduation Requirement and the UC/CSU Elective "a-g" requirements)

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**

**(a-g) / Graduation Requirement**

**SHS201-SHS202**

**10 Credits**

Grade Level: 11

Grade Level Restrictions: 11th grade only

Prerequisites: None

(Satisfies the Social Science Graduation Requirement and the UC/CSU Elective "a-g" requirements)

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.

## **HONORS US HISTORY**

**(a-g) / Graduation Requirement**

**SHS303/SHS304**

**10 Credits**

Grade Level: 11

Grade Level Restrictions: 11<sup>th</sup> grade only

Prerequisites: CST - Proficient / Pass English 10 & World History with "B" or better / Pass Advanced English 10 & AP World with "C" or better / Teacher Recommendation

(Satisfies the Social Science Graduation Requirement and the UC/CSU Elective "a-g" requirements)

This course uses a thematic unit approach that attempts to combine present and past. Supplemental readings are an integral part of this course and are designed to enhance the historical framework offered by the text. Each unit poses a major question and several objectives for students to reach. Students are introduced to the most recent books on the subjects at hand and expected to analyze and synthesize multiple perspective on historical events. In addition to primary sources, students will use art, film and music to examine perceptions of American history. This course will emphasize the writing process and assist students in developing higher level written and verbal discourse.

**AP U.S. HISTORY****(a-g) / Graduation Requirement****SHS400-SHS401****10 Credits**

Grade Level: 11

Grade Level Restrictions: 11th grade only

Prerequisites: CST - Proficient / Pass English 10 &amp; AP World History with "B" or better / Teacher Recommendation

(Satisfies the Social Science Graduation Requirement and the UC/CSU Elective "a-g" requirements)

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 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****(a-g) / Graduation Requirement****SGS210** *(Take w/ SXF203 MODERN ECONOMICS)***5 Credits**

Grade Level: 12

Grade Level Restrictions: 12th grade only

Prerequisites: None

(Satisfies the Social Science Graduation Requirement and the UC/CSU Elective "a-g" requirements)

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****SXF203 – Take with U.S. Government****SXS203 – Take with AP U.S. Government****5 Credits**

Grade Level: 12

Grade Level Restrictions: 12th grade only

Prerequisites: None

(Satisfies the Social Science Graduation Requirement and the UC/CSU Elective "a-g" requirements)

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.

**AP U.S. GOVERNMENT****(a-g) / Graduation Requirement****SGF410** *(Take w/ SXS203 MODERN ECONOMICS)***5 Credits**

Grade Level: 12

Grade Level Restrictions: 12th grade only

Prerequisites: CST - Proficient / Pass English II &amp; US History with "B" or better / Pass AP English Language and AP/Honors US History with a "C" or better / Teacher Recommendation

(Satisfies the Social Science Graduation Requirement and the UC/CSU Elective "a-g" requirements)

This semester course is a study of the basic beliefs and ideals which underlie American democracy; the historical roots; and how it's 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.

**AMERICAN IDENTITY**

**Elective**

**SGF210/SGF211**

**10 Credits**

Grade Level: 11-12

Grade Level Restrictions: 11th and 12th grade only

American Identity will focus on the social construction of race, class, gender and identity. In this class, we will examine systems of power, privilege and inequality, and explore the concept of diversity. Students will be encouraged to understand their own identities, and how they have been shaped by the concepts of race, class and gender in our society. Students will learn how to deconstruct the systems of power, inequality and injustice in our society, questioning why racism, classism and sexism exist and persist. We will study current issues to get an even deeper look into America today, while also giving students tools to explore and question ideas of social justice and social change.

# PHYSICAL EDUCATION

## **FRESHMAN P.E.**

**PFF200-PFS200**

**10 Credits**

Grade Level: 9

Grade Level Restrictions: 9th grade only

Prerequisites: None

(Satisfies the Physical Education Graduation Requirement)

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. RECREATION**

**PRF202-PRS202**

**10 Credits**

Grade Level: 10 - 12

Grade Level Restrictions: 10th - 12th grade

Prerequisites: None

(Satisfies the Physical Education Graduation Requirement)

Students will participate in a variety of movement activities as well as build a foundation of knowledge for life-long health. The emphasis of the class will be on person fitness, nutrition, and wellness through aerobic, individual, dual, and strength training activities. This is a follow up course to Freshman Core.

## **BEGINNING DANCE**

**PRF22C-PRS22C**

**10 Credits**

Grade Level: 10 -12

Grade Level Restrictions: 10th - 12th grade

Prerequisites: None

(Satisfies the Physical Education Graduation Requirement)

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.

## **WEIGHT TRAINING**

**PRF22F-PRS22F**

**10 Credits**

Grade Level: 10-12

Grade Level Restrictions: 10th - 12th grade

Prerequisites: None

(Satisfies the Physical Education Graduation Requirement)

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.



**CRIMINAL JUSTICE ACADEMY P.E.****PXS001-PXS002****10 Credits**

Grade Level: 9 - 12

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

Prerequisites: Enrollment in Criminal Justice Program

(Satisfies the Physical Education Graduation Requirement)

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.

**MCJROTC/P.E. LEVEL 1****PSS200-PSS201****10 Credits**

Grade Level: 9 - 12

Grade Level Restrictions: 9th - 12th grade

Prerequisites: Enrollment in MCJROTC Program / Instructor Approval

(Satisfies the Physical Education Graduation Requirement)

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.

**MCJROTC/P.E. LEVEL 2****PSS202-PSS203****10 Credits**

Grade Level: 10 - 12

Grade Level Restrictions: 10th - 12th grade

Prerequisites: Enrollment in MCJROTC Program / Instructor Approval

(Satisfies the Physical Education Graduation Requirement)

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.

# WORLD LANGUAGES COURSE SELECTIONS

Courses for the following Foreign Language subject areas can be found in this section:

**CHINESE**  
**FRENCH**  
**JAPANESE**  
**LATIN**  
**SPANISH**

# CHINESE MANDARIN

## **CHINESE MANDARIN 1<sup>ST</sup> LEVEL**

**(a-g) / Elective**

### **GMS001-GMS002**

#### **10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: None

(Satisfies the Foreign Language Graduation Requirement)

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.

## **CHINESE MANDARIN 2<sup>ND</sup> LEVEL**

**(a-g) / Elective**

### **GMS003-GMS004**

#### **10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: 1st Level Chinese Mandarin or equivalent with "C" or better / "D" with teacher recommendation

(Satisfies the Foreign Language Graduation Requirement)

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.

## **CHINESE MANDARIN 3<sup>RD</sup> LEVEL**

**(a-g) / Elective**

### **GMS005-GMS006**

#### **10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: 2nd Level Chinese Mandarin or equivalent with "B" or better / "C" with teacher recommendation

(Satisfies the Foreign Language Graduation Requirement)

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 4<sup>TH</sup> LEVEL**

**(a-g) / Elective**

**GMS009-GMS010**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: 3rd Level Chinese Mandarin with a "B" or better / "C" with teacher recommendation  
(Satisfies the Foreign Language Graduation Requirement)

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.

# FRENCH

## **FRENCH 1<sup>ST</sup> LEVEL**

**(a-g) / Elective**

**GFS001-GFS002**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: None

(Satisfies the Foreign Language Graduation Requirement)

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.

## **FRENCH 2<sup>ND</sup> LEVEL**

**(a-g) / Elective**

**GFS003-GFS004**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: 1st Level French or equivalent with "C" or better / "D" with teacher recommendation

(Satisfies the Foreign Language Graduation Requirement)

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.

## **FRENCH 3<sup>RD</sup> LEVEL**

**(a-g) / Elective**

**GFS005-GFS006**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: 2nd Level French or equivalent with "B" or better / "C" with teacher recommendation

(Satisfies the Foreign Language Graduation Requirement)

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, and 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.

**AP FRENCH 4<sup>TH</sup> LEVEL****(a-g) / Elective****GFS007-GFS008****10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: 3rd Level French with "B" or better / "C" with teacher recommendation

(Satisfies the Foreign Language Graduation Requirement)

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).

# JAPANESE

## **JAPANESE 1<sup>ST</sup> LEVEL**

**(a-g) / Elective**

**GJS011-GJS012**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: None

(Satisfies the Foreign Language Graduation Requirement)

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.

## **JAPANESE 2<sup>ND</sup> LEVEL**

**(a-g) / Elective**

**GJS013-GJS014**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: 1st Level Japanese or equivalent with "C" or better / "D" with teacher recommendation

(Satisfies the Foreign Language Graduation Requirement)

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 learn 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.

## **JAPANESE 3<sup>RD</sup> LEVEL**

**(a-g) / Elective**

**GJS015-GJS016**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: 2nd Level Japanese or equivalent with "B" or better / "C" with teacher recommendation

(Satisfies the Foreign Language Graduation Requirement)

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.





# LATIN

## **LATIN 1<sup>ST</sup> LEVEL**

**(a-g) / Elective**

**GLS001-GLS002**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: None

(Satisfies the Foreign Language Graduation Requirement)

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.

## **LATIN 2<sup>ND</sup> LEVEL**

**(a-g) /**

**Elective**

**GLS003-GLS004**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: 1st Level Latin or equivalent with "C" or better / "D" with teacher recommendation

(Satisfies the Foreign Language Graduation Requirement)

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.

## **LATIN 3<sup>RD</sup> LEVEL**

**(a-g) / Elective**

**GLS005-GLS006**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: 2nd Level Latin or equivalent with "B" or better / "C" with teacher recommendation

(Satisfies the Foreign Language Graduation Requirement)

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. Students explore a greater understanding of literary style, use of rhetoric, and other devices through Catullus' and Ovid's poems, Plautus' plays, and Caesar's commentaries.

## **LATIN 4<sup>th</sup> LEVEL**

**(a-g) / Elective**

**GLS009-GLS010**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: 3rd Level Latin with "B" or better / "C" with teacher recommendation

(Satisfies the Foreign Language Graduation Requirement)

This course is designed to mirror the AP course in terms of Caesar's writings, while turning also to Plautus, Catullus, and Ovid for exercise in Latin poetry and play-writing. In the second half of the

course, emphasis is placed on Livy, with further exploration of Horatius, Cicero, and other significant neo-Latin writers. 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.

## SPANISH

### **SPANISH 1<sup>ST</sup> LEVEL**

**(a-g) / Elective**

**GSS001-GSS002**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: None

(Satisfies the Foreign Language Graduation Requirement)

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.

### **SPANISH 2<sup>ND</sup> LEVEL**

**(a-g) / Elective**

**GSS003-GSS004**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: 1st Level Spanish or equivalent with "C" or better / "D" with teacher recommendation

(Satisfies the Foreign Language Graduation Requirement)

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.

### **SPANISH 3<sup>RD</sup> LEVEL**

**(a-g) / Elective**

**GSS005-GSS006**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: 2nd Level Spanish or equivalent with "B" or better / "C" with teacher recommendation

(Satisfies the Foreign Language Graduation Requirement)

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.

**AP SPANISH 4<sup>TH</sup> LEVEL****(a-g) / Elective****GSS007-GSS008****10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: 3rd Level Spanish with "B" or better / "C" with teacher recommendation

(Satisfies the Foreign Language Graduation Requirement)

In this course, students continue to develop cultural awareness and communication skills involving reading, writing, listening, and speaking. Through the emphasis 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 COURSE SELECTIONS

Courses for the following Elective Courses can be found in this section:

## **VISUAL ART ELECTIVES**

(BEGINNING ART, 3-DIMENSIONAL ART, ARCHITECTURE & DESIGN)

## **MUSICAL & PERFORMANCE ART ELECTIVES**

(CHARACTER & SCENE, CHOIR, GUITAR, PIANO, MARCHING BAND, JAZZ ENSEMBLE, ORCHESTRA)

## **GENERAL ELECTIVES**

(AUTO, ROTC, CULINARY, ENGINEERING, LAW & EQUITY, NEWSPAPER, SPEECH & DEBATE, YEARBOOK)

# VISUAL ART ELECTIVES

**ENGINEERING DESIGN** (ALSO THE 9<sup>TH</sup> GRADE M.A.D. ACADEMY COURSE)

**(a-g) / Elective**

**BAS100-BAS101**

**10 Credits**

Grade Level: 9 - 12

Grade Level Restrictions: None

Prerequisites: None

(Satisfies the Electives Graduation Requirement)

This course is a year-long introductory course for anyone who is interested in exploring Architectural Design. This course introduces students to AutoCAD software and the systems that are involved in the building industry. This is also an introductory class for 9<sup>th</sup> graders who are enrolled in to the MaD Learning Program here at JFK.

**BEGINNING ART SPECTRUM**

**(a-g) / Elective**

**BZS100/BZS101**

**10 Credits**

Grade Level: 9 - 12

Grade Level Restrictions: None

Prerequisites: None

(Satisfies the Electives Graduation Requirement)

Beginning Art is an introduction to a wide variety of art-making methods and materials including drawing, painting, and sculpture. Course has a strong emphasis on art history, multi-cultural art, and creative expression. Students learn the vocabulary of art, explore professions in the arts, and participate in critiques. Course is geared towards students with little or no prior art experience.

**2D ART**

**(a-g) / Elective**

**BZS007-BZS008**

**10 Credits**

Grade Level: 9 - 12

Grade Level Restrictions: None

Prerequisites: None

(Satisfies the Electives Graduation Requirement)

2D Art is an introduction to methods and materials of 2D design. Course focuses on skill-building in various drawing and painting media while learning to apply the elements of art and principles of design. Historical and cultural connections are explored. Written and verbal critiques are also included. 2D Art is geared towards students with some prior art experience and/or who have an interest in a career in the arts.

**3-DIMENSIONAL ART****(a-g) / Elective****BXS281-BXS282****10 Credits**

Grade Level: 9 - 12

Grade Level Restrictions: None

Prerequisites: None

(Satisfies the Electives Graduation Requirement)

3D Art is a hands-on, beginning-level studio course where students are introduced to a wide variety of sculpture methods and materials. Students will explore sculpture-making using wire, metal embossing, papier-mâché, clay, fiber arts, and found objects. While creating sculpture, students learn to apply the eight studio habits of mind: develop craft, envision, express, observe, reflect, stretch and explore, and understand art worlds.

**ADVANCED CERAMICS****(a-g) / Elective****BCS210-BXS282****10 Credits**

Grade Level: 10 - 12

Grade Level Restrictions: 10th - 12th

Prerequisites: None

(Satisfies the Electives Graduation Requirement)

Ceramics is an in-depth studio experience in clay. Course emphasis is on hand-building techniques: pinch, modeling, coil, and slab. Slip-casting, working with molds, and wheel throwing are also introduced. Students create a wide variety of clay pieces, including ceramic sculpture and functional pottery. Students learn about the history and science behind ceramics and participate in critiques of ceramic artworks from ancient history to contemporary culture.

**ADVANCED ART****(a-g) / Elective****BZS003-BZS004****10 Credits**

Grade Level: 10 - 12

Grade Level Restrictions: 10th - 12th grade only

Prerequisites: Art with a "B" or better or portfolio review / Teacher Recommendation

(Satisfies the Electives Graduation Requirement)

Advanced Art is a year-two, advanced-level course for students to build upon the foundations learned in Art or 2D Art. Course has a strong emphasis on discovering the purpose for your art and developing a unique artistic voice. Students explore more complex visual arts problems and are introduced to new materials and methods, including printmaking. Written and verbal critiques are included. Each student creates a portfolio of their work.

**ADVANCED 3D ART****(a-g) / Elective****BZS003-BZS004****10 Credits**

Grade Level: 10 - 12

Grade Level Restrictions: 10th - 12th grade only

Prerequisites: Art with a "B" or better or portfolio review / Teacher Recommendation

(Satisfies the Electives Graduation Requirement)

Advanced 3D Art is a year-two, advanced-level course for students to further develop their skills in sculpture. Students build upon the foundations learned in 3D Art, while being introduced to new materials and methods, including carving, casting, and woodworking. Students create a work of public art for the campus or community. Written and verbal critiques are included. Each student creates a digital portfolio of their work.

**AP STUDIO ART****(a-g) / Elective****BZS010-BZS011****10 Credits**

Grade Level: 11 - 12

Grade Level Restrictions: 11th - 12th grade only

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

(Satisfies the Electives Graduation Requirement)

This is a third-year option for students who have completed Advanced Art, Advanced 3-D Art or Advanced Ceramics. AP Studio Art has three portfolios options: Drawing, 2-D Design, or 3-D Design. For each portfolio, students explore a broad variety of media and techniques in the breadth section, and then choose focused theme to create a series of work for their concentration. Students who pass the portfolio review by the College Board will earn college credits.

# MUSIC & PERFORMANCE ART ELECTIVES

## **CHARACTER & SCENE (DRAMA)**

(a-g) / Elective

**EDS211-EDS212**

**10 Credits**

Grade Level: 9 - 12

Grade Level Restrictions: None

Prerequisites: None

(Satisfies the Electives Graduation Requirement)

Want to discover who you really are? Or would you rather pretend to be someone else entirely? In this drama class we explore the ancient art of pretend and have a great time doing so. Come join the thespians and find out what that word means!

## **ADVANCED DRAMA (PLAY PRODUCTION and DESIGN)**

(a-g) / Elective

**EDS250-EDS251**

**10 Credits**

Grade Level: 9 - 12

Grade Level Restrictions: None

Prerequisites: Must have taken EDS211-212 and/or have play production experience.

(Satisfies the Electives Graduation Requirement)

This is a second-year, advanced drama course where we explore set design, make-up, costuming, construction, and lighting. All these practical lessons result in actual productions to be staged for the community. Come turn the world of make believe into reality!

## **CONCERT CHOIR**

(a-g) / Elective

**NVS220/NVS221**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: None

(Satisfies the Electives Graduation Requirement)

This is a year-long course that explores choral music from a wide variety of cultures and time periods through study and performance. The core curriculum emphasizes the basics of vocal technique, sight-reading, music theory, and music history. Students are expected to participate in performances, including one evening concert each quarter.

## **PIANO LAB**

(a-g) / Elective

**NPS251-NPS252**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: None

(Satisfies the Electives Graduation Requirement)

This course teaches the fundamentals needed to perform on the piano. Students will learn chords and keys, accompaniment patterns, and improvisational techniques. Students will play melodies and participate in ensemble playing. We will discover the composers and history behind the music.



**MARCHING AND CONCERT BAND****(a-g) / Elective****NBF250-NBS250****10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: Band Instructor Approval

(Satisfies the Electives Graduation Requirement)

Marching Band/Concert Band is one year-long elective. In Marching Band the musicians and color guard practice and perform a marching band field show for entertainment, and competition. The instrumentation includes brass, woodwind, percussion, and color guard. Concert Band rehearses classic and contemporary band repertoire and performs in four concerts. Color guard and percussionists rehearse winter show productions to compete in the spring months. \*Not a class for beginners.

**JAZZ ENSEMBLE (0 Period only)****(a-g) / Elective****NBF230-NBS230****10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: Band Instructor Approval

(Satisfies the Electives Graduation Requirement)

Zero period instrumental music class for saxophones, trumpets, trombones, and rhythm section. Students rehearse/perform big band and contemporary jazz band arrangements for five concerts throughout the school year, in addition to any small performances for commission. \*Not a class for beginners.

**BEGINNING BAND (0 Period only)****(a-g) / Elective****NBS210-NBS211****10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: None

(Satisfies the Electives Graduation Requirement)

This class offers band at the beginning level – no experience necessary! The instruments taught are flute, clarinet, saxophone, trumpet, trombone and tuba. Topics include reading, music notation, analyzing and evaluating music, as well as composing and improvising simple melodies. The students present a winter and spring concert. The class is offered zero period only.

**STRING ORCHESTRA (0 Period only)****(a-g) / Elective****NOS210-NOS211****10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: Band Instructor Approval

(Satisfies the Electives Graduation Requirement)

Zero period instrumental music class for violin, viola, cello, bass, and piano. Students rehearse/perform classic and contemporary string orchestra music for five concerts throughout the school year. \*Not a class for beginners.

# GENERAL ELECTIVES

## **AUTO TECHNOLOGY I (Beginning Auto Technology)**

(a-g) / Elective

**CPC121/CPC122**

**10 Credits**

Grade Level: 10-12

Grade Level Restrictions: None

Prerequisites: None

(Satisfies the Electives Graduation Requirement)

This is the study of an automobile. This will be a hands-on experience class involving activities that relate directly to maintenance, repair and service. The program of instruction may include: safety in the shop, care and use of tools, interpretation of parts books, parts handling, engine construction, ignition systems, fuel systems, charging systems, starting systems, electronic systems, chassis wiring and diagrams, brakes, lubrications and minor tune-up.

## **AUTO TECHNOLOGY II (Advanced Auto Technology)**

Elective

**ROF039-ROP039**

**10 Credits**

Grade Level: 11-12

Grade Level Restrictions: 11th and 12th Grade Only

Prerequisites: Auto Tech I / Teacher Recommendation

(Satisfies the Electives Graduation Requirement)

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.

## **MJROTC LEADERSHIP LEVEL 3**

Elective

**YMS400-YMS402**

**10 Credits**

Grade Level: 11

Grade Level Restrictions: 11<sup>TH</sup> Grade Only

Prerequisites: Enrollment in MCJROTC Program / Instructor Approval

(Satisfies the Electives Graduation Requirement)

Third year cadets will begin to use their leadership training as they assume positions of increased authority and responsibility within the program. Classes on personal finances are presented, as well as many classes involving career preparation and opportunities in public service. Cadets are scheduled for 123 hours of scheduled academic instruction, which includes practical application and 56 hours remaining for extended hours of physical fitness.

## **MJROTC LEADERSHIP LEVEL 4**

Elective

**YMS500-YMS502**

**10 Credits**

Grade Level: 12

Grade Level Restrictions: 12<sup>TH</sup> Grade Only

Prerequisites: Enrollment in MCJROTC Program / Instructor Approval

(Satisfies the Electives Graduation Requirement)

Fourth year students will bring together all their previous education and training and apply them to the class. Senior students will conduct formations, inspections, and physical fitness as well as supervise certain training

events with younger level cadets. Number of academic hours in general military subjects is greater than all the others combined. However, the senior cadets continue to be challenged with many leadership responsibilities and academic requirements for research papers and independent studies to include special projects.

**CULINARY I (1<sup>st</sup> Level Culinary Technology)**

**Elective**

**ROF113-ROP113**

**10 Credits**

Grade Level: 10<sup>th</sup> Grade

Grade Level Restrictions: 10<sup>th</sup> Grade Only

Prerequisites: Must be enrolled in the ROP Culinary Academy Program

(Satisfies the Electives Graduation Requirement)

This course is the first level of the Culinary Academy Program specifically for 10<sup>th</sup> grade students. Food handling safety issues are taught, as well as basic culinary foundations and recipes. Baking is the primary focus for this course as the beginning level culinary technology.

**CULINARY II (2<sup>nd</sup> Level Culinary Technology)**

**Elective**

**ROF114-ROP114**

**10 Credits**

Grade Level: 11<sup>th</sup> Grade

Grade Level Restrictions: 11<sup>th</sup> Grade Only

Prerequisites: Must be enrolled in the ROP Culinary Academy Program / Completed Culinary 1

(Satisfies the Electives Graduation Requirement)

This course is the second level of the Culinary Academy Program. Instruction will 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.

**FOOD AND NUTRITION / CULINARY III (3<sup>rd</sup> Level Culinary Technology)**

**Elective**

**JFS001/JFS002**

**10 Credits**

Grade Level: 12<sup>th</sup> Grade

Grade Level Restrictions: 12<sup>th</sup> Grade Only

Prerequisites: Enrolled in the ROP Culinary Academy / Completed Culinary II

(Satisfies the Electives Graduation Requirement)

This advanced 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.

**JOURNALISM/NEWSPAPER**

**(a-g) / Elective**

**JOG448/JOG449**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: 9<sup>TH</sup> – 12<sup>TH</sup> Grade

Prerequisites: 9<sup>th</sup> grade students must have completed 1 year of a Publisher course in 8<sup>th</sup> grade

(Satisfies the Electives Graduation Requirement)

Newspaper/Publisher is an introductory class that gives students an opportunity to learn how to develop a school newspaper. Skills will be taught on how to effectively use Publisher in designing the school newspaper. Students will learn how to take photos and write articles on current events here at school and within the

immediate community. The work must show integrity and attention to detail as students learn how to preserve memorable moments of campus life.

## **PSYCHOLOGY**

**(a-g) / Elective**

### **SPS210-SPS211**

#### **10 Credits**

Grade Level: 11-12

Grade Level Restrictions: 11<sup>TH</sup> – 12<sup>TH</sup> Grade Only

Prerequisites: None

(Satisfies the Electives Graduation Requirement)

This course covers the essentials of psychology from the physiological facts and how 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.

## **AP PSYCHOLOGY**

**(a-g) / Elective**

### **SPS250**

#### **5 Credits**

Grade Level: 12

Grade Level Restrictions: 12<sup>TH</sup> Grade Only

Prerequisites: None

(Satisfies the Electives Graduation Requirement)

Advanced Placement Psychology is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and animals. Students are exposed to psychological facts, principles, theories and phenomena associated with each of the major sub-fields within psychology. Students will also learn about the ethics and methods psychologists use in their science and practice. This course is aligned to the Common Core State Standards for Literacy in History/Social Science and provide students with a learning experience equivalent to that obtained in most college introductory psychology courses. Advanced Placement Psychology is aligned to The College Board Course Descriptor for AP Psychology

## **PRINCIPLES OF ENGINEERING**

**(a-g) / Elective**

### **CLD111/CLD112**

#### **10 Credits**

Grade Level: 10

Grade Level Restrictions: 10<sup>TH</sup> Grade Only

Prerequisites: Prerequisites: Must be enrolled in the M.A.D. Learning Academy Program

(Satisfies the Electives Graduation Requirement)

This is the 2<sup>nd</sup> year course in the JFK Manufacturing and Design Learning Academy Program. This course teaches enhanced Computer Aided Design using Solid-Works, Computer Aided Manufacturing and CNC machining. Other topics include: mold making, composites, conventional machining and metal cutting technology. Students use design process and other engineering methods for product development.

**AUTO DESIGN & PRODUCT INNOVATION****(a-g) / Elective****CLD221/CLD222****10 Credits**

Grade Level: 11

Grade Level Restrictions: 11<sup>TH</sup> Grade Only

Prerequisites: Must be enrolled in the M.A.D. Learning Academy Program

(Satisfies the Electives Graduation Requirement)

This is the 3<sup>rd</sup> year course in the JFK Manufacturing and Design Learning Academy Program.

Introduction to Robotics, Engineering, and Energy” is a year-long rigorous and engaging Career Technical Education (CTE) engineering course with an overarching focus on robotics, transportation, and green energy. Utilizing a combination of traditional and project-based instructional methods, students engage in the extensive iterative engineering design process that begins to prepare them for careers in technology, transportation, engineering or renewable energy research. The course is intended for juniors in the JFK Manufacturing and Design Learning Academy Program.

**ADV MANUFACTURING AND DESIGN****(a-g) / Elective****CLD331/CLD332****10 Credits**

Grade Level: 12

Grade Level Restrictions: 12<sup>TH</sup> Grade Only

Prerequisites: Must be enrolled in the M.A.D. Learning Academy Program

(Satisfies the Electives Graduation Requirement)

This is the 4<sup>th</sup> year course in the JFK Manufacturing and Design Learning Academy Program.

Advanced Engineering, and Energy” is a year-long rigorous and engaging Career Technical Education (CTE) engineering course with an overarching focus on robotics, transportation, and green energy. Utilizing a combination of traditional and project-based instructional methods, students engage in the extensive iterative engineering design process that begins to prepare them for careers in technology, transportation, engineering or renewable energy research. The course is intended for seniors in the JFK Manufacturing and Design Learning Academy Program.

**LAW AND EQUITY I****Elective****SLS001/SLS002****10 Credits**

Grade Level: 9

Grade Restrictions: 9<sup>TH</sup> Grade Only

Prerequisites: None

(Satisfies the Electives Graduation Requirement)

This is the first year course in a four-year sequence of classes and is really two classes. Students are required to attend Law I during the day and ALL Law I students are REQUIRED (unless there are special circumstances, like sports) to attend the after school program which runs from 3:13 to 4:30 Monday through Thursday to get academic support as well as participate in other Academy activities. Students will learn to live and abide by the rules, values, and behavioral expectations of the academy. Academically, during the first semester, students will study the history, ethics, and professionalism of the police, community policing and American law enforcement today. The second semester the course will include crime and its consequences, the process of American justice, and general aspects of criminal law. Students will be required to complete 3 page research paper and several projects throughout the year.

**LAW AND EQUITY II****Elective****SLS003/SLS004****10 Credits**

Grade Level: 10

Grade Restrictions: 10TH Grade Only

Prerequisites: None

(Satisfies the Electives Graduation Requirement)

The second year course focuses on the applied aspects of policing and criminal justice. The first semester starts with computer technology – Word, Excel, Power Point, and Access. Students will also study career options within the criminal justice field. As we move into the second semester, the curriculum will mainly focus on driver's education, vehicle code violations, driving while under the influence of alcohol, vehicle/felony vehicle stops and general driving patrol techniques. We will also study gang awareness. Students will be required to complete a 5 page research paper and several projects throughout the year.

**LAW AND EQUITY III****Elective****SLS005/SLS006****10 Credits**

Grade Level: 11

Grade Restrictions: 11TH Grade Only

Prerequisites: None

(Satisfies the Electives Graduation Requirement)

The third year course focuses on the courts and delves deeper into specific aspects of the law. Students will be responsible for Youth/Peer Court – trying cases as prosecuting/defense attorney, bailiff, court clerk and jury members. It is important that students take advantage of the curriculum and the duty of participating in Youth/Peer Court, as they are trying real cases of youth from around Sacramento County. Academically, the first semester will include units on the power to arrest, the juvenile justice process, search and seizure, and protection and collection of evidence. The second semester will build on the work during the first semester and focus on crime scene investigation, forensic science, courtroom testimony and demeanor, and tactical communications. Students will participate in a significant amount of small group work-stressing analytical problem solving. Role-playing and scenario training will be utilized to increase the students' practical knowledge. Students will be required to complete a 7 page research paper and several projects throughout the year. During the summer between Law III and Law IV all cadets are required to either have an internship or a paid job to get real work skills.

**LAW AND EQUITY IV****Elective****SLS007/SLS008****10 Credits**

Grade Level: 12

Grade Restrictions: 12TH Grade Only

Prerequisites: None

(Satisfies the Electives Graduation Requirement)

The fourth year course emphasizes report writing and college level curriculum. Units of crimes against persons, crimes against property, weapons violations, domestic violence, sex crimes, and multicultural relations are college level themes and will require steadfast commitment. We will also focus on field investigation and report writing of particular crimes. Scenarios training and role-playing will be used extensively. Students will also participate in workshops to help them compete successfully for job testing in the law enforcement field. Students will be responsible for identifying and developing solutions to a real local issue that effects youth in

their area. This group project will require all individual participation. In keeping with the project theme, students will sign up for and responsibly maintain required duties that keep the Criminal Justice Academy running smoothly – year book, rank, newsletter, All Academy events, Sr. Dinner/Crab feed, fundraisers, Academy blog, student interns, etc.

**SCHOOL YEARBOOK**

**Elective**

**YGG301/YGG302**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: Teacher Recommendation

(Satisfies the Electives Graduation Requirement)

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.

**SPEECH & DEBATE – COMPETITIVE TOURNAMENT CLASS (0 Period only)**

**Elective**

**SDS100-SDS101 or ESF230-ESS230**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: Speech & Debate (non-competitive) / Teacher Approval

(Satisfies the Electives Graduation Requirement)

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.

**STUDENT GOVERNMENT (0 Period only)**

**Elective**

**YGF200-YGS200**

**10 Credits**

Grade Level: 9-12

Grade Level Restrictions: None

Prerequisites: Teacher Approval

(Satisfies the Electives Graduation Requirement)

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.

**SCIENCE LAB ASSISTANT**

**Elective**

**QXF270-QXS270**

**10 Credits**

Grade Level: 11-12

Grade Level Restrictions: 11<sup>TH</sup> and 12<sup>TH</sup> Grade Only

Prerequisites: Minimum of a 2.0 GPA / Teacher or Counselor Recommendation and Approval

(Satisfies the Electives Graduation Requirement)

Students are required to complete general classroom assistant duties based on what their Science teacher needs require. A Science Lab Assistant must exhibit tactfulness and dependability while they perform valuable services to the school in this role. Students may not earn more than ten (10) credits over their four years in this placement.