

# SAN JOAQUIN MEMORIAL HIGH SCHOOL



2019-2020  
COURSE SELECTION CATALOG

## WHAT'S NEW FOR 2019-2020?

- Math course sequence has changed to Algebra 1 → Geometry → Algebra 2
- New courses offered: Conceptual Physics P, AP Research & AP Computer Science Principles
- Removed courses: Astronomy P, Honors Biology HP & AP Computer Science A
- AP Appeal process and GPA prerequisites eliminated
- AP English Composition and AP English Literature available to both 11<sup>th</sup> and 12<sup>th</sup> grades
- AP Seminar – now also available to qualified 10<sup>th</sup> graders
- Film 1 – available to 11<sup>th</sup> & 12<sup>th</sup> grade only
- SJM will not offer an academic summer school in summer 2019

## HONORS & ADVANCED PLACEMENT (AP) PROGRAMS

### GRADE POINT AVERAGE (GPA) CALCULATION:

In addition to the standard 4.0 grade scale, grades of "C" or higher in AP courses, Honors Chemistry and Honors Trig/Calculus will be awarded one additional grade point. Augmented grades earned at institutions other than San Joaquin Memorial High School will earn the additional grade point if SJM currently offers the same.

### COURSE DESIGNATIONS:

P = college preparatory

HP = honors

AP = Advanced Placement

### ADVANCED PLACEMENT POLICIES & PROCEDURES:

The Advanced Placement (AP) Program at San Joaquin Memorial allows students to challenge themselves and to potentially receive college credit. For students who are willing and able to apply themselves to college-level studies, the program enriches their secondary and post-secondary school experiences. All AP courses will prepare students for the nationally administered AP Exams offered in May; testing is a requirement of enrollment.

In an effort to assist students in appropriate course selection and in developing a well-rounded educational experience, enrollment in AP classes will be limited to a maximum of 4 courses per semester.

### ADDITIONAL REQUIREMENTS FOR AP:

There may be summer assignments given for all AP classes which must be completed during the summer and turned in on the first day of class. By signing up for an AP course, the student is agreeing to complete all summer work on time. Failure to complete summer work will result in an "F" or a "0" (zero) on the assignment and will negatively impact fall semester grade. San Joaquin Memorial requires that all students enrolled in an AP course pay for and take the AP Exam in May.

### AP FORM – SEE APPENDIX

- Advanced Placement Student Agreement (Appendix A) required for all AP course registrations.

**SAN JOAQUIN MEMORIAL HIGH SCHOOL  
GRADUATION REQUIREMENTS**

Minimum number of academic credits required for graduation: **265 units**

Minimum number of Service Learning credits required: **20 units**

Total credits required for graduation from San Joaquin Memorial High School: **285 units**

**COURSE REQUIREMENTS FOR ALL STUDENTS**

<b>Religion</b>	<b>4 years (1 course taken each year)</b>
	9 <sup>th</sup> Understanding Catholicism
	10 <sup>th</sup> Hebrew Scriptures P & Christian Scriptures
	11 <sup>th</sup> Morality
	12 <sup>th</sup> Campus Ministry/Peace & Justice <i>or</i> World Religions P/Peace & Justice
<b>Mathematics</b>	<b>3 years (Algebra 1, Geometry &amp; Algebra 2)</b>
<b>English</b>	<b>4 years (1 course taken each year)</b>
	9 <sup>th</sup> English 9P <i>or</i> 9HP
	10 <sup>th</sup> English 10P <i>or</i> 10HP
	11 <sup>th</sup> American Literature P <i>or</i> AP Composition <i>or</i> AP Literature
	12 <sup>th</sup> World Literature P <i>or</i> AP Literature <i>or</i> AP Composition <i>or</i> Journalism P
<b>Science</b>	<b>3 years</b>
	9 <sup>th</sup> or 10 <sup>th</sup> Biology P <i>or</i> Ag. Biology P
	10 <sup>th</sup> , 11 <sup>th</sup> or 12 <sup>th</sup> Chemistry P/HP <i>or</i> Conceptual Physics P
	10 <sup>th</sup> , 11 <sup>th</sup> or 12 <sup>th</sup> Science Elective
<b>Social Science</b>	<b>3 years</b>
	9 <sup>th</sup> or 10 <sup>th</sup> World Cultures <i>or</i> AP European History
	11 <sup>th</sup> US History P <i>or</i> AP U.S. History
	12 <sup>th</sup> Civics P <i>and</i> Economics P <i>or</i> AP US Government <i>and</i> AP Micro/Macroeconomics
<b>World Languages</b>	<b>2 years of the same language (Italian <i>or</i> Spanish)</b>
<b>Visual &amp; Performing Arts</b>	<b>1 year</b>
<b>P.E./Health Education</b>	<b>1 year (9<sup>th</sup> grade)</b>
<b>Writing Workshop P &amp; Speech P</b>	<b>1 semester each (9<sup>th</sup> grade)</b>
<b>Electives</b>	In addition to the above requirements, sufficient courses to bring each semester's total to 35 credits (7 classes).
<b>Service Learning</b>	20 hours of mandatory service performed each year (10 hours per semester) <i>[a minimum of 10 hours of Personally Serving the Marginalized (PSM)]</i>

## 2019-2020 SOPHOMORE CORE CURRICULUM

### Required of All Sophomores

- Religion - Hebrew Scriptures P and Christian Scriptures
- English - English 10P or English 10HP
- Mathematics (*select the next appropriate math course*)
- Science (*must be a Biology course if not already taken in 9th grade*)
- Electives - All sophomores must select three (3) electives. Pay particular attention to Social Science, World Language and Visual & Performing Arts requirements when making selections.

### MATHEMATICS

Geometry P  
Geometry HP  
Trigonometry/Elementary Functions P  
Trigonometry/Calculus HP

### SCIENCE

Agricultural Biology P  
Biology P  
Chemistry P or HP  
Conceptual Physics P  
Zoology/Botany P

## ELECTIVES

### AP CAPSTONE

AP Seminar

### TECHNOLOGY

Computer Science P

### ENGLISH

Journalism P

### WORLD LANGUAGES

Italian 1P, 2P  
Spanish 1P, 2P, 3P, 4P  
AP Spanish

### MATHEMATICS

Geometry Enrichment

### VISUAL & PERFORMING ARTS

Art 1P, 2P  
2/3 Dimensional Art 1P, 2P  
Drama 1P, 2P  
Choir P  
Instrumental Music Ensemble (Band)  
Theatrical Production P

### PHYSICAL EDUCATION

Upper-Division Boys PE  
Girls Athletic PE

### SOCIAL SCIENCE

World Cultures/History/Geography P  
AP European History  
Psychology P  
AP Psychology

### OTHER

Leadership P  
Yearbook 1

*Note: If all prerequisites are met, sophomores are permitted to enroll in a maximum of 4 honors and AP classes.*

## 2019-2020 JUNIOR CORE CURRICULUM

### Required of All Juniors

- Religion - Morality
- English - American Literature P *or* AP Composition *or* AP Literature
- US History P *or* AP US History
- Mathematics
- Science
- Electives - All juniors must select two (2) electives. Pay particular attention to Social Science, World Language and Visual & Performing Arts requirements when making selections.

### MATHEMATICS

Algebra 2P  
Algebra 2HP  
Geometry P  
Geometry HP  
Trigonometry/Elementary Functions P  
Trigonometry/Calculus HP  
Personal Finance P  
Statistics P  
AP Statistics  
AP Calculus A/B  
AP Calculus B/C

### SCIENCE

Anatomy/Physiology P  
Chemistry P *or* HP  
Conceptual Physics P  
Physics P  
Zoology/Botany P  
AP Biology  
AP Chemistry  
AP Physics 1

## ELECTIVES

### AP CAPSTONE

AP Seminar  
AP Research

### ENGLISH

Journalism P

### MATHEMATICS

Algebra 2 Enrichment  
Geometry Enrichment

### PHYSICAL EDUCATION

Upper-Division Boys PE  
Girls Athletic PE

### SOCIAL SCIENCE

World Cultures/History/Geography P  
Psychology P  
AP Psychology  
AP European History  
AP Microeconomics/Macroeconomics

### TECHNOLOGY

Computer Science P  
AP Computer Science Principles

### WORLD LANGUAGES

Italian 1P, 2P, 3P  
Spanish 1P, 2P, 3P, 4P  
AP Spanish

### VISUAL & PERFORMING ARTS

Art 1P, 2P, 3P  
2/3 Dimensional Art 1P, 2P, 3P  
AP Studio Art: 2-D Design  
Drama 1P, 2P, 3P  
Choir P  
Advanced Choir P  
Instrumental Music Ensemble (Band)  
Advanced Jazz Band P  
Film 1P  
Theatrical Production P

### OTHER

Leadership P  
Yearbook 1, 2

## 2019-2020 SENIOR CORE CURRICULUM

### Required of All Seniors

- Religion - World Religions P/Peace & Justice *or* Campus Ministry/Peace & Justice\* (*\*Selection based on application and interview.*)
- English - World Literature P *or* AP Literature *or* AP Composition *or* Journalism P
- Social Science - Civics P/Economics P (1 year) *and/or* AP US Government (1 year) *and/or* AP Micro & Macroeconomics (1 year)
- Electives - All seniors must select four (4) electives. Pay particular attention to graduation requirements and to college admission requirements and recommendations.

## ELECTIVES

### AP CAPSTONE

AP Seminar  
AP Research

### ENGLISH

Journalism P

### MATHEMATICS

Algebra 2P  
Algebra 2HP  
Geometry P  
Geometry HP  
Geometry Enrichment  
Trigonometry/Elementary Functions P  
Trigonometry/Calculus HP  
Personal Finance P  
Statistics P  
AP Statistics  
AP Calculus A/B  
AP Calculus B/C

### PHYSICAL EDUCATION

Upper-Division Boys PE  
Girls Athletic PE

### SCIENCE

Anatomy/Physiology P  
Chemistry P or HP  
Conceptual Physics P  
Physics P  
Zoology/Botany P  
AP Biology  
AP Chemistry  
AP Physics 1

### SOCIAL SCIENCE

World Cultures/History/Geography P  
Psychology P  
AP Psychology  
AP European History  
AP Microeconomics/Macroeconomics  
AP US Government

### TECHNOLOGY

Computer Science P  
AP Computer Science Principles

### WORLD LANGUAGES

Italian 1P, 2P, 3P, 4P  
Spanish 1P, 2P, 3P, 4P  
AP Spanish

### VISUAL & PERFORMING ARTS

Art 1P, 2P, 3P, 4  
2/3 Dimensional Art 1P, 2P, 3P, 4  
AP Studio Art: 2-D Design  
Drama 1P, 2P, 3P, 4  
Choir P  
Advanced Choir P  
Instrumental Music Ensemble (Band)  
Advanced Jazz Band P  
Film 1P  
Theatrical Production P

### OTHER

Leadership P  
Yearbook 1, 2, 3  
Student Aide

## SERVICE LEARNING

### Service Learning:

Required: Twenty (20) hours of service per year (10 per semester) with 10 hours of direct face-to-face, Personally Serving the Marginalized (PSM). PSM hours must be service among the population the service benefits.

San Joaquin Memorial's Service Learning program is designed to enrich our students as active participants in the community. This is an opportunity for students to gain the skills and confidence to extend themselves to others. Students will also have a chance to grow in solidarity with others by achieving a greater awareness and understanding of living conditions and circumstances affecting disenfranchised and marginalized populations. Service learning offers students the opportunity to process these experiences in relation to their education and their faith. As people of faith it is essential to be involved with "the least of these" and bring awareness to the life and dignity of the human person in any situation. Our goal is to empower students to make positive changes in our communities and thoughtful choices for the future.



## COLLEGE ADMISSIONS

SJM graduation requirements are fully aligned with the University of California (UC) and California State University (CSU) entrance requirements. Students planning to attend selective four-year colleges or universities are strongly advised to consider supplementing the basic minimum requirements with additional electives in Mathematics, World Languages, Social Science and Science.

### **UNIVERSITY OF CALIFORNIA:**

The campuses at Berkeley, Davis, Irvine, Merced, Los Angeles, Riverside, San Diego, Santa Barbara, and Santa Cruz accept freshmen.

**CALIFORNIA STATE UNIVERSITIES** Campuses are located at Bakersfield, Channel Islands, Chico, Dominguez Hills, East Bay (Hayward), Fresno, Fullerton, Long Beach, Los Angeles, Northridge, San Marcos, Stanislaus, Sacramento, San Bernardino, Humboldt, Monterey Bay, California State Polytechnic University at Pomona, San Diego, San Francisco, California Maritime Academy, San Jose, California Polytechnic State University at San Luis Obispo, and Sonoma.

***Note: The University of California (UCs) and the California State Universities (CSUs) require the completion of classes designated "P", "HP" or "AP" with a grade of "C" or higher to meet the fifteen (15) core courses required for admission.***

CSU/UC ADMISSION REQUIREMENTS (A – G REQUIREMENTS)	
A. Social Science	2 years ( <i>3 years recommended</i> ) 1 yr. of World Cultures <i>or</i> AP European History 1 yr. U.S. History (P) or (AP)
B. English	4 years ( <i>1 course taken each year</i> )
C. Mathematics	3 years ( <i>4 years strongly recommended</i> ) Algebra 1, Geometry, & Algebra 2
D. Laboratory Science	2 years ( <i>3 years recommended</i> ) Biology & Chemistry <i>or</i> Conceptual Physics
E. Language Other than English (LOTE)	2 years ( <i>3-4 years recommended</i> ) Italian <i>or</i> Spanish
F. Visual & Performing Arts	1 year ( <i>More courses recommended for students planning to pursue the arts</i> )
G. Electives	1 year ( <i>More courses strongly recommended</i> ) In addition to the above requirements, an additional year of a college prep (P, HP or AP) course.



## ENGLISH DEPARTMENT

To graduate from San Joaquin Memorial, all students must take four years of English.

NOTE: Unless otherwise stated, the classes below meet a **B** (English) requirement on the A-G list.

### ENGLISH 10P

Prerequisite: Sophomore standing.

Through a teacher-directed approach, the course is structured according to the basic genres of literature: short story, nonfiction, novel, poetry, and drama. Within this structure, students are challenged to deepen their knowledge and practice of study skills. Thinking and reasoning skills will be developed to encourage appreciation and aptitude for the study of literature. Emphasis is placed on expanding vocabulary, learning the importance of writing as a process fed by practice in grammar and form, and developing strength in oral communication skills.

### ENGLISH 10HP (Honors)

Prerequisite: "B's" or better in English 9HP or "A's" in English 9P.

Because this is an accelerated course, students are expected to approach material with less teacher guidance. The course is structured according to the basic genres of literature: short story, nonfiction, novel, poetry, and drama. Within this structure, students are challenged to deepen their knowledge and practice of study skills, expand their vocabulary, learn the importance of writing as a process fed by practice in grammar and form, and develop strength in oral communication skills. Thinking and reasoning skills will also be developed to encourage appreciation and aptitude for the analysis of literature. There will be extensive practice in expository writing.

### AMERICAN LITERATURE P

Prerequisite: Junior standing.

American Literature follows a chronological/thematic selection of readings that will trace the origins of our American literary heritage and the evolution and development of a national literature. Students will master definitions and applications of a host of literary terms and analytical tools. Students will acquire practice in all stages of the writing process. Vocabulary study is integrated throughout the course and grammar skills are evaluated and corrected in the context of student essays.

### WORLD LITERATURE P

Prerequisite: Senior standing.

This survey course offers a broad sampling of international literary selections studied in their historical and cultural contexts. The students will develop a critical appreciation of masterpieces and classics of Asian, African, Middle Eastern, Greco-Roman, and European literature from across the centuries. Cross-cultural and thematic comparisons will be explored through discussion and critical and analytical essays. Grammar and writing will be developed through student essays. The study of vocabulary will be contextually based.

### ADVANCED PLACEMENT (AP) LANGUAGE AND COMPOSITION (“AP Comp”)

Prerequisites: Junior or senior standing; "B's" or better in current HP/AP English course *or* "A's" in current P-level English course *or* recommendation of current English instructor.

The Advanced Placement (AP) Composition course is a college-level writing class with college-level requirements. This course provides an opportunity for students to prepare and take the national AP Language Composition test, which can qualify them to receive credit for a college-level course. This course is for students who have distinguished themselves academically and who have an advanced interest and ability in English, especially in writing. Ability to interpret and analyze the subtleties of others' written work and the ability to produce college-level writing of one's own is central to the course. While this course concentrates on writing skills, exposure to advance levels of literature is also paramount. The literature assigned in this course is diverse in scope, culture, period and genre. More reading, writing, and independent study than Honors level coursework is expected.

### ADVANCED PLACEMENT (AP) ENGLISH LITERATURE AND COMPOSITION (“AP Lit”)

Prerequisites: Junior or senior standing; "B" or better in current HP/AP English course *or* "A" or better in current P-level English course *or* recommendation of current English instructor.

The Advanced Placement (AP) Literature course is a college-level class with college-level requirements. This course provides an opportunity for students to prepare and take the AP Literature test, which can qualify them to receive credit for this course. This course is for students who have distinguished themselves academically and who have an advanced interest and ability in English. The literature assigned in this course is diverse in scope, culture, period and genre. The concentration of content in this course is the study of the artistic use of language of increasing complexity. Students must be able to pick out details and subtleties of texts and articulate their understanding in discussion and writing that is indicative of college-level mastery and expression. More reading, writing and independent study than Honors level coursework is to be expected.

### JOURNALISM P

Prerequisite: "B's" or better in current HP/AP English course *or* "A" in current P-level English course *or* recommendation of current English instructor; application to and approval from Journalism teacher.

\*\* All editors must attend the *Newspapers2 Workshop* in August in Long Beach. See instructor for dates and other details.

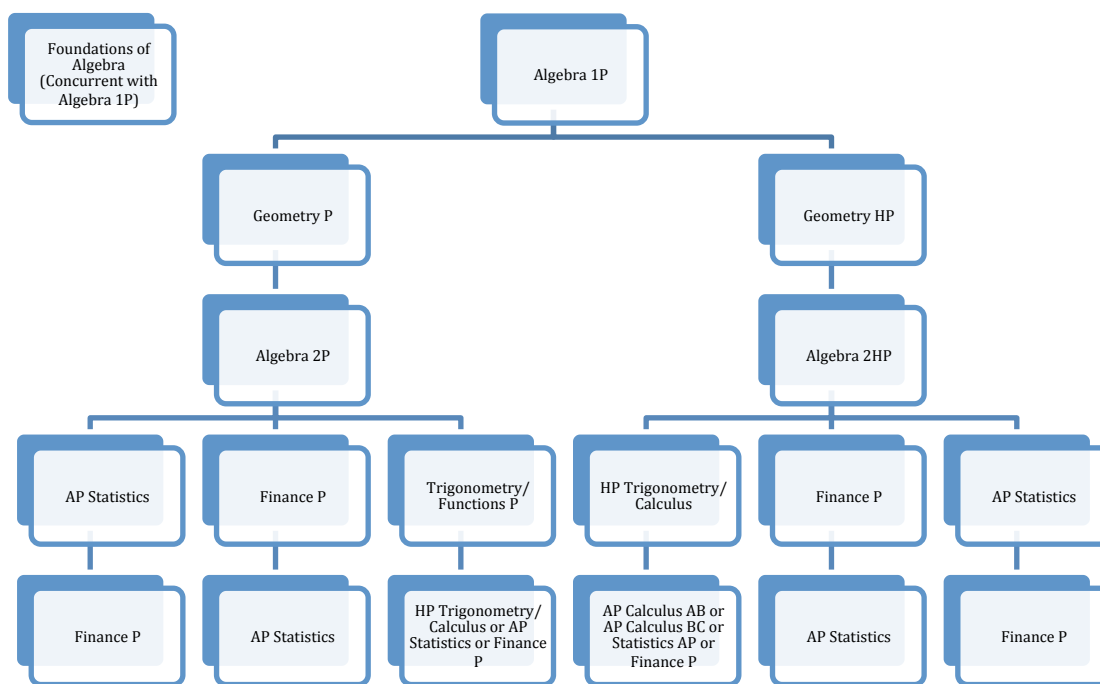
This class is a writing course with an emphasis on written work being published in the student newspaper, *The Red and Blue*. The course is based on the teaching of solid journalistic writing techniques and styles, employing extensive reading of current literature and non-fiction texts, and continual critical thinking and analysis of published writing samples. This class will also delve into creative writing techniques in order to improve overall writing skills. This class will also feature other aspects of fundraising, such as selling ads for the newspaper. This course requires time in addition to regular class time.

Note: *This course satisfies the A-G English (B) requirement in the senior year only* (but may also be taken concurrently with another English course).

# MATHEMATICS DEPARTMENT

To fulfill the graduation requirement in mathematics, a student must complete a minimum of three (3) years of mathematics.

NOTE: Unless otherwise stated, classes below meet a C (Mathematics) requirement on the A-G list.



## Sample Mathematics Pathways

### College-Prep Course of Studies:

*Beginning 2019-2020 =*

Algebra 1P → Geometry P → Algebra 2P → Trigonometry/Elem. Functions P or Statistics P or Finance P

*Prior to 2019-2020 =*

Algebra 1P → Algebra 2P → Geometry P → Trigonometry/Elem. Functions P or Statistics P or Finance P

### Honors-Level Course of Studies (2019-2020 year only):

Algebra 2HP → Geometry HP → Trigonometry/Calculus HP → AP Calculus AB or AP Statistics

## MATH COURSE DESCRIPTIONS

### ALGEBRA 1P

Students study the order of operations, distributive property, solving equations and inequalities, functions and graphs, equations of lines, system of equations and inequalities, exponents, polynomials, quadratic functions, and radical equations.

### GEOMETRY P

Prerequisite: Completion of Algebra 1P

Students study the essentials of geometry, reasoning and proofs, parallel and perpendicular lines, triangle properties, relationships, similarity and proofs, quadrilaterals, circles, area, perimeter, volume, and surface area, right triangles and trigonometry.

### GEOMETRY HP (Honors)

Prerequisite: "A-" or better in both semesters of current Algebra class (1P or 2P) or "B-" or better in Algebra 2HP.

In Geometry HP students study the essentials of geometry, reasoning and proofs, parallel and perpendicular lines, triangle properties, relationships, similarity and proofs, quadrilaterals, circles, area, perimeter, volume, and surface area, right triangles and trigonometry. Geometry HP is structured to be more comprehensive and challenging than Geometry P.

### GEOMETRY ENRICHMENT

Placement: Any student can elect to enroll in this course; however, students earning a "D" or "F" in Algebra 1P and/or Algebra 2P will be required to enroll.

Co-Requisite: Concurrent enrollment in Geometry P.

Geometry Enrichment is a supplemental math course intended for students who are currently enrolled in Geometry P. This course is designed to provide targeted instruction to reinforce geometry skills and concepts. Note: *This is not an A-G course.*

### ALGEBRA 2P

Prerequisite: Completion of Geometry P/HP.

Students study linear equations, linear and absolute value inequalities, systems of equations, matrices, polynomials and factoring, exponents and radicals, complex numbers, quadratic functions, rational expressions, exponents and logarithms, functions notation, conic sections, and basic statistics (probability and counting).

### ALGEBRA 2HP (Honors)

Prerequisite: "B-" in both semesters of Geometry HP or "A-" or better in both semesters of Geometry P or recommendation of Geometry P teacher.

Students study linear equations, linear and absolute value inequalities, systems of equations, matrices, polynomials and factoring, exponents and radicals, complex numbers, quadratic functions, rational expressions, exponents and logarithms, functions notation, conic sections, piecewise functions, basic trigonometric functions, trigonometric identities, trigonometric graphs, and basic statistics. Algebra 2HP is structured to require greater depth of mastery, retention & more emphasis on word problems as compared to the Algebra 2P course.

### TRIGONOMETRY/ELEMENTARY FUNCTIONS P

Prerequisite: "C-" or better in both semesters of Geometry P/HP.

Trig/Functions students study functions and their graphs including polynomials, power and rational functions, exponentials, logarithms, trigonometric functions, analytic trigonometry, and basic statistics. Conic sections, series and sequences, piecewise functions and limits will also be explored. This course is designed to prepare students for the subsequent study of entry-level calculus.

### TRIGONOMETRY/ CALCULUS HP (Honors - Weighted)

Prerequisite: "B-" or better in both semesters of Geometry HP *or* "C-" or better in Trigonometry/Elementary Functions P.

This course studies rational functions, polynomial functions, properties of functions, exponents and logarithms, trigonometric functions, trigonometric equations and applications, triangle trigonometry, trigonometric addition formulas, polar coordinates and complex numbers, limits and derivatives, differentiation rules and applications, integrals and their application. This course is designed to prepare students for subsequent study of Calculus.

### ADVANCED PLACEMENT (AP) CALCULUS AB

Prerequisite: "B-" or better in both semesters of Trigonometry/Calculus HP.

This course is a college-level course that gives students an in-depth study of limits, differentiation, applications of differentiation, integration, differential equations, applications of integration, and numerical approximations. This course covers entry-level calculus topics and is designed to prepare students for the AP Calculus exam and subsequent study of AP Calculus BC.

### ADVANCED PLACEMENT (AP) CALCULUS BC

Prerequisite: "B-" or better in AP Calculus AB or "A-" in both semesters of Trigonometry/Calculus HP with teacher recommendation.

AP Calculus BC is a college-level course that emphasizes a multi-representational approach to calculus with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. This course is a comprehensive investigation into derivatives, integrals, limits, approximations, series and sequences, polar functions, vector functions, parametric equations, and applications and modeling. This course is designed to prepare students for the AP Calculus exam and attend a selective university, majoring in a STEM field.

### STATISTICS P

Prerequisites: "C-" or better in both semesters of Geometry P/HP and in Algebra 2P/HP.

Statistics P offers the study of types of data, experimental design, distributions: frequency, binomial and normal, graphing data, measures of center, variation and relative standing, probability, discrete probability distributions, standard normal distributions, estimates and sample size, and hypothesis testing.

### ADVANCED PLACEMENT (AP) STATISTICS

Prerequisites: "B-" or better in both semesters of Geometry HP or "A-" both semesters of Geometry P *and* recommendation of Geometry P teacher.

This course utilizes mathematical theory and applies statistical theory to: collect, organize, interpret, and summarize numerical data to provide usable information. Students will develop critical thinking skills, in particular, problem solving-skills through the study of: types of data, experimental design, frequency, variations, probability, binomial and normal distributions, centers of measure, estimates and sample sizes, and hypotheses testing. AP Statistics is designed to prepare students for the AP test and provide students with the foundations for college majors in business, humanities, social sciences and liberal arts, etc.

### PERSONAL FINANCE P

Prerequisites: Successful completion of Algebra 2 P/HP and Geometry P/HP.

This is a mathematical modeling course that is algebra-based, applications oriented, and technology dependent. This course addresses college preparatory mathematics topics from advanced algebra, statistics, probability, precalculus and calculus under four financial umbrellas: financial responsibility and decision-making, income and careers, spending and credit, and saving and investing.

### OTHER STEM ELECTIVES

#### COMPUTER SCIENCE P

Prerequisites: "C-" or better in both semesters of prior year math course.

This course is an introductory computer science course, covering standard human-computer interactions, problem solving, web design, computer programming, computing and data analysis, and robotics. *This course meets a "G" (Elective) requirement.*

#### ADVANCED PLACEMENT (AP) COMPUTER SCIENCE PRINCIPLES

Prerequisites: "B-" or better in both semesters of Computer Science P.

This course offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science..

Note: *This course meets a "G" (Elective) requirement.*



## PHYSICAL EDUCATION DEPARTMENT



### BOYS UPPER-DIVISION PHYSICAL EDUCATION

This is an elective course with an emphasis on lifetime activities and team sports. The goal of the course is to continue the physical, mental, and social development of each student.

### GIRLS ATHLETIC PHYSICAL EDUCATION

This elective course will provide training for students to excel in a variety of sports. The purpose of this class is to provide an accelerated fitness-training program for athletes. In addition, coaches provide instruction during their season of sport to enhance the overall skills of their athletes. This course will include: 1. Muscular strength and endurance. 2. Flexibility. 3. Speed and agility. 4. Fundamentals of Sport. 5. Mental and emotional support.

### P.E. AIDE

Prerequisite: Permission of the instructor.

Upon approval of the teacher and the department chair, a junior or senior may enroll in the Teacher P.E. Aide Program. Student aides will be expected to work with instructors and assist them when necessary. This is a pass/fail course, with full unit credit.

*Note: During registration, Aide position is only available as alternate selection.*

## RELIGIOUS STUDIES DEPARTMENT

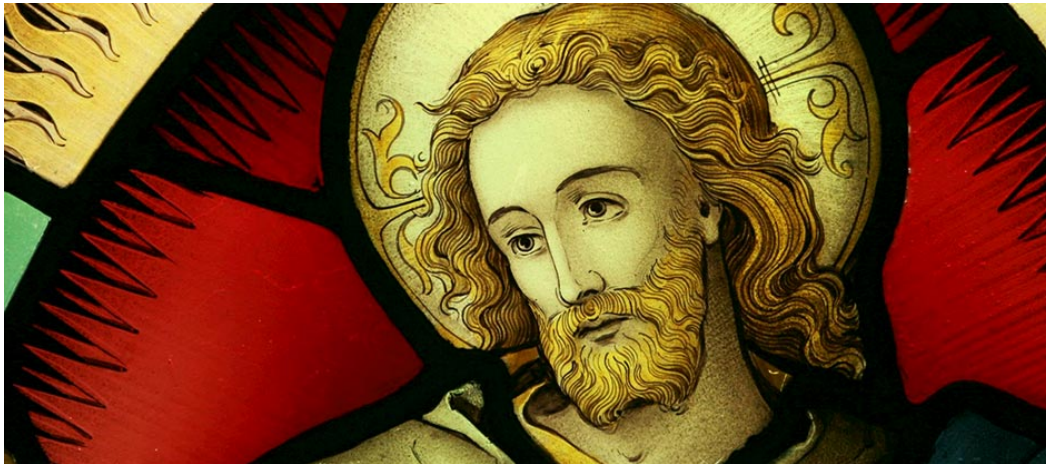
### SOPHOMORE YEAR

#### FIRST SEMESTER: HEBREW SCRIPTURES (P)

The purpose of the Hebrew Scriptures course is to help students to understand how the roots of Judaism are closely tied to the roots of Christianity. This course helps students comprehend the wealth of the Judeo-Christian spiritual tradition and challenge them to grow in their appreciation of God, themselves, and other people. Valuing the Hebrew Scriptures as a source of living wisdom, the word of God, comes about in part when students understand how these scriptures were written and in what contexts they were inspired and heard by the ancestors of our tradition. Note: *This course meets a ½ year “G” (Elective) requirement.*

#### SECOND SEMESTER: CHRISTIAN SCRIPTURES

The Christian Scriptures course focuses on our understanding that Jesus – His mission and message – is at the very center of everything Catholic Christians believe as persons of faith. Our insights into Jesus do impact and influence every aspect of Christian life. This course is rooted in sound biblical scholarship and historical development and invites personal reflection on our relationship to Jesus and His Church.





## **JUNIOR YEAR**

### **MORALITY**

This course in Christian morality shares with students the demands of the gospel, which are so directly opposite the values of our contemporary culture. It provides direction to students as they sort out their values and grow into adulthood. Christian morality is, at its core, about love. The demands of love can be tough, especially in a society that has so cheapened the word and the reality that it is often difficult to know what true love is. But our sure anchor is Jesus himself who, in a supreme act of friendship, demonstrated in his Paschal Mystery the meaning of love.

## **SENIOR YEAR**

All seniors are required to take a two-semester religion course. There are two options available, both of which include Peace & Justice.

### **FIRST SEMESTER: WORLD RELIGIONS P**

Humankind has searched for God for thousands of years and has found numerous ways to express the truths that people have discovered and experienced in this search. This course emphasizes the academic study of the major world religions, which may include: Hinduism, Buddhism, Jainism, Sikhism, Shintoism, Taoism, Confucianism, and Islam. What are the earliest forms of faith like? How have religions helped us to understand current world events? We explore and try to answer such questions in this course. *Note: This course meets a ½ year “G” (Elective) requirement.*

### **SECOND SEMESTER: PEACE & JUSTICE**

The Christian call to peace and justice takes the message of Jesus through his followers into the marketplace of today's world. The course holds out to the students a vision of justice through concerns for basic needs, for personal dignity, for solidarity, and for social structures. The present values of our society can hinder efforts on behalf of justice. This course will offer the students information, reflection and practical application of the Christian life of justice and peace.

*OR*

### **CAMPUS MINISTRY/PEACE & JUSTICE (TWO SEMESTERS)**

Prerequisite: Submission of an application and essay, teacher and citizenship evaluation, permission of the instructor, and participation in mandatory summer leadership training program and service projects.

This senior Theology course focuses on the exploration and reflection of the meaning of Peer Ministry in addition to Social Justice and Peace (see course description above). Campus Ministry gives students the opportunity to understand the nature of prayer and as a result, deepen their relationships with God. The students will experience a wide variety of prayer forms and styles such as liturgies, retreats, prayer celebrations and social functions. By honing leadership skills, students serve the other students of SJM by planning, creating and executing liturgies for the San Joaquin Memorial High School community.

## SCIENCE DEPARTMENT

The graduation requirement states that all students must take three laboratory science courses, one of which must be Biology. All science courses offered at San Joaquin Memorial are laboratory science courses and are one year in length. In addition to Biology, most universities also require Chemistry. NOTE: Unless otherwise stated, the classes below meet a **D** (Science) requirement on the A-G list.

### BIOLOGY P

Prerequisite: Cannot be concurrent with Algebra Enrichment

This course is the study of living things from simple to complex, including the study of plants and animals, their interactions with each other, and the environment. The structure and function of living things, and their classification and evolution, are studied by laboratory investigation, lectures, and discussions.

### SUSTAINABLE AGRICULTURE BIOLOGY P ("Ag. Bio.")

Prerequisite: Cannot be concurrent with Algebra Enrichment

"Ag. Biology" is a one-year course designed to integrate biological science practices and knowledge into the practice of sustainable agriculture. Sustainability is important to making sure that we have and will continue to have, the water, materials, and resources to protect human health and our environment. The course will address specific life science principles identified with agricultural principles and practices guiding the acquisition of this knowledge, culminating in the development of a sustainable farm model.

### **SCIENCE ELECTIVES:**

#### ANATOMY AND PHYSIOLOGY P

Prerequisite: Junior standing; "C" or better in Biology P/HP or Ag. Biology P.

This course will examine the gross anatomy and physiological functions of the human body. Some of the systems that will be covered include the skeletal, muscular, circulatory, nervous, cardiovascular, respiratory and excretory systems. The course will also discuss diseases and disorders that affect each system. The class will be presented through lectures, class discussions, and labs including dissections. It is recommended that students complete the Zoology/Botany course prior to enrolling in Anatomy/Physiology.

#### CHEMISTRY P

Prerequisite: "C-" or better in Biology P/HP or Ag. Biology P and Algebra 2P.

Chemistry is an inquiry into composition, properties, and the reactions of matter reinforced with the laboratory investigations to introduce students to matter and the changes it undergoes. This course takes an atom first approach to the understanding of chemistry, beginning with the atom and its subatomic particles, progressing through bonding, then reactions, solutions and gases. Students will gain an understanding of the basic principles of atoms, molecular formation, chemical reactions and properties exhibited. Students will also continue to develop practical laboratory skills and scientific writing techniques that were introduced in earlier science coursework. Successful completion of this course will prepare students for introductory college chemistry.

### CHEMISTRY HP (Honors - Weighted)

Prerequisite: "B-" or better in Algebra 2HP *and* "B-" or better in Biology HP *or* "A-" or better in Algebra 2P *and* Biology P *or* Ag. Biology P.

This course is an in depth inquiry into composition, properties, and the reactions of matter reinforced with the laboratory investigations to introduce students to matter and the changes it undergoes. This course takes an atom first approach to the understanding of chemistry, beginning with the atom and its subatomic particles, progressing through bonding, then reactions, solutions and gases. Students will gain an understanding of the basic principles of atoms, molecular formation, chemical reactions and properties exhibited. Students will also continue to develop practical laboratory skills and scientific writing techniques that were introduced in earlier science coursework. Compared to Chemistry P, this course will include a more mathematically intensive approach, a greater depth of content, a faster pace and a demand for higher levels of critical thinking. Successful completion of this course will prepare students for AP Chemistry, introductory college chemistry and other advanced science courses.

### CONCEPTUAL PHYSICS P

Prerequisite: "C-" or better Biology P/HP *or* Ag. Biology P.

This course offers the subject matter of a traditional physics course with a qualitative approach to problem-solving. Topics include linear motion, energy, Newton's Laws and forces, wave properties and their uses, and electricity and magnetism. Through inquiry labs and projects, students explore their own notions about common physical phenomena, make observations, discuss observations with peers, practice data collection and graphing techniques, and apply some basic mathematical skills (solving equations, interpreting graphs, and reasoning proportionately) to explain observations.

### PHYSICS P

Prerequisite: "C-" or better in Chemistry P *and* Geometry P.

Physics P is a study of the basic concepts in physics, which include: matter, energy, relativity, composition and resolution of velocities and forces; relationships between velocity, distance, acceleration, time, mass and all types of forces including gravitational and frictional; torque, projectile motion, circular motion, rotary motion, harmonic motion, work, power, machines, momentum, impulse, thermodynamics, engines, wave motion, electricity, and electronics.

### ZOOLOGY/BOTANY P

Prerequisite: Completion of Biology P/HP *or* Ag. Biology P.

This year-long course will emphasize the study of the biological concepts and processes as they apply to various biological systems. Students will gain an understanding of the structural and chemical components that make up plants, animals, and microorganisms. Students will also study interrelationships between various botanical and zoological organisms and their structural and functional adaptations for their ecological niche. Students will study the organic classification based on evolutionary and genetic relationships pertaining to structure and physiology. Successful completion of this course is recommended for students who plan on enrolling in AP Biology or Anatomy/Physiology P.

## ADVANCED PLACEMENT (AP) SCIENCE COURSES:

### ADVANCED PLACEMENT (AP) BIOLOGY

Prerequisite: "B-" or better in Chemistry HP *or* "A-" or better in Chemistry P *and* Biology P/HP or Ag. Biology P.

This is a college-level course in the study of structure and function in living organisms. It is designed to help students develop a conceptual framework for modern biology by: presenting science as a process, providing personal experience in scientific inquiry, presenting unifying themes that integrate the major topics of biology, and applying biological knowledge and critical thinking to environmental and social concerns. Lectures will be supplemented by laboratory experiments, student-designed projects, and student presentations. This course is designed to prepare students who plan to attend a high-level University and are planning on majoring in some area of science. It is recommended that students complete the zoology/botany course prior to taking AP biology.

### ADVANCED PLACEMENT (AP) CHEMISTRY

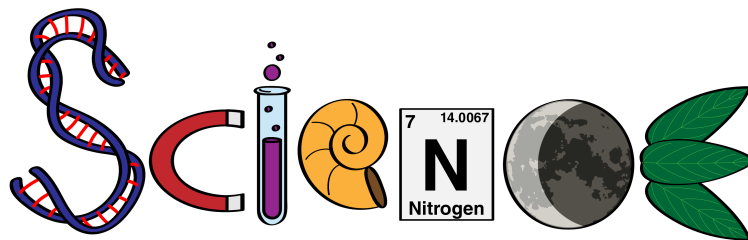
Prerequisite: "B-" or better in Chemistry HP.

This course is designed to be equivalent of the general chemistry course usually taken during the first college year. Students will attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course will contribute to the development of the students' ability to think clearly and to express their ideas, orally and in writing, with clarity and logic. This college-level course places heavy emphasis on chemical calculations, the mathematical formulation of principles, and intense laboratory work. The laboratory experience will be equivalent to that of a typical college course. The course is designed to prepare students who plan to attend a selective university, majoring in a STEM field.

### ADVANCED PLACEMENT (AP) PHYSICS 1

Prerequisite: "B-" or better in Trigonometry/Elementary Functions P *or* Geometry HP *or* higher-level math.

AP Physics 1 is equivalent to the first part of a college level introductory general physics course. It is a highly rigorous application of problem solving and pre-calculus mathematics in the context of physics concepts. These concepts include the principles of Newtonian mechanics, rotational motion, work, energy, power, sound and mechanical waves, and simple circuits. Core scientific principles, theories, and processes will form the foundation of each of these topics. Laboratory work will be inquiry-based investigations where students ask their own questions, make their observations and predictions, and design their own experiments with data analysis and argumentation informing their development.



## **SOCIAL SCIENCE DEPARTMENT**

To fulfill the graduation requirements in the Social Science Department, students must take three courses from the Social Science curriculum: World Cultures or AP European History, U.S. History P or AP, and a semester of Economics\* and a semester of US Government/Civics\*.

\*Each requirement can be met by a yearlong AP course or a semester-long P course.

NOTE: Unless otherwise stated, the classes below meet an A (Social Science) requirement on the A-G list.

### WORLD CULTURES/HISTORY/GEOGRAPHY P (1 year)

This course provides a comprehensive overview of Eastern and Western Civilization focusing on cultures, history, and geography. The influence of history and geography upon development of major world cultures will be examined. Geography skills will be taught and employed in the analysis of the major cultures of the world.

### ADVANCED PLACEMENT (AP) EUROPEAN HISTORY (1 year)

Prerequisites: "A" in English 9P or a "C" in English 9HP

AP European History is the study of European History since 1300. The course introduces students to cultural, political, and social developments that played a fundamental role in shaping the world in which we live. Also, AP European History develops an understanding of some of the principle themes in Modern European History and an ability to analyze historical interpretations through writing.

### U. S. HISTORY P (1 year)

Prerequisite: Junior standing

U.S. History is a survey of the political, social, economic, and military growth of the United States and the people who made our way of life possible (from approximately 1865 to the present). Special emphasis is placed on the moral values that our country exemplifies and the responsibilities of democratic citizenship.

### ADVANCED PLACEMENT (AP) U.S. HISTORY (1 year)

Prerequisites: Junior standing; "A" in World Cultures/History/Geography *or* "C" or better in AP European History *and* "B" in English 10HP or an "A" in English 10P.

The Advanced Placement course in United States History is designed to give the university bound student an in-depth understanding of United States History. AP United States History includes both the mastery of the general concepts of History and the critical analysis of specific case studies. AP students will also be required to complete a number of formal writing assignments, group projects, and other tasks assigned by the instructor. Extensive outside reading will accompany the course text and all students will be required to actively contribute to the seminar-style discussions.

### ADVANCED PLACEMENT (AP) U.S. GOVERNMENT (1 year)

Prerequisites: Senior standing; "C" in AP U.S. History or "B" in U.S. History P.

The Advanced Placement course in American Government is designed to give the university bound student an in-depth understanding of the government and political systems of the United States. AP Government includes both the mastery of the general concepts of government and politics and the critical analysis of specific case studies. AP students will also be required to complete a number of formal writing assignments, group projects, and other tasks assigned by the instructor. Extensive outside reading will accompany the course text and all students will be required to contribute to the seminar style discussions. *\*Course meets the Civics half of the Econ/Civics graduation requirement.*

Note: *This course meets a ½ year "A" requirement.*

### ADVANCED PLACEMENT (AP) MICROECONOMICS/MACROECONOMICS (1 year)

Prerequisites: Junior or senior standing, "C" or better in Algebra 2P or 2HP, and a minimum grade of "C" in current/previous English courses.

The purpose of AP Microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy.

The purpose of AP Macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. The course promotes the understanding of aggregate economic activity; the utilization of resources within and across countries; and the critical evaluation of determinants of economic progress and economic decisions made by policymakers

*\*\*Course meets the Economics half of the Econ/Civics graduation requirement.*

Note: *This course meets a year "G" requirement.*

### CIVICS P (1 semester)

Prerequisite: Senior standing.

This course is a study of the American democratic system at the local, state, and federal level. Highlights of the course include lectures by public servants and field studies in local and state governments. *\*Course is taken in conjunction with Economics P.*

Note: *This course meets a ½ year "A" requirement.*

### ECONOMICS P (1 semester)

Prerequisite: Senior standing.

This course enables students to understand the principles of economics and our economic system, and to compare our system to other countries' systems. Students will be able to analyze and make judgments about the economic questions and the policies of the United States government.

*\*Course is taken in conjunction with Civics P.*

Note: *This course meets a ½ year "G" requirement.*

## SOCIAL SCIENCE ELECTIVES:

### PSYCHOLOGY P (1 year)

This course is a study of the mind and personality of the human person. Studies will be done on the major schools of thought, which includes Jung, Freud, behaviorists, and humanists and their points of view. Emphasis is placed on a person's relationship to self, family, and community.

Note: *This course meets a 1-year "G" requirement.*

### ADVANCED PLACEMENT (AP) PSYCHOLOGY P (1 year)

Prerequisite: "B" or better in current English course

The purpose of the Advanced Placement course in psychology is to introduce students to the systematic and scientific study of the behavior and mental process of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields of psychology. They also learn about the methods psychologists use in the practice of their science. The aim of the course is to provide the student with a rigorous learning experience, equivalent to most college introductory psychology courses.

Note: *This course meets a 1-year "G" requirement.*

### ADVANCED PLACEMENT (AP) SEMINAR

Prerequisite: "B's" or better in current HP/AP English course *or* "A's" in current P-level English course; successful completion of at least two honors-level or AP classes; teacher recommendation; and selection by application and permission of committee.

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

Note: *This course meets a 1-year "G" requirement.*

### ADVANCED PLACEMENT (AP) RESEARCH

Prerequisite: A grade of "C" or better in AP Seminar.

AP Research, the second course in the AP Capstone program, allows students to deeply explore an academic or real-world topic, problem, or issue of individual interest in any field. Through this exploration, students design, plan, and conduct a year-long research-based investigation to address a research question. In the AP Research course, students further research skills acquired in the AP Seminar course by understanding research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. There are no formal assessments or an AP exam in this course. The entire course is focused on writing a single academic, research paper and making a presentation with an oral defense.

Note: *This course meets a 1-year "G" requirement.*

## VISUAL & PERFORMING ARTS DEPARTMENT

The one-year Visual and Performing Art requirement for SJM graduation can be met by any of the classes listed below.

NOTE: Unless otherwise stated, the classes below meet an F (Visual/Performing Art) requirement on the A-G list.

### 2/3 DIMENSIONAL ART 1P

2/3 Dimensional Art 1P introduces the beginning student to the elements and principles of art through observation, study and self-expression. Students are introduced to the history and culture of art, art critique, art appreciation, and applications of the arts. Observation and compositional skills are developed through a drawing unit. These skills are formatted in three dimensional applications and printmaking to further develop the knowledge and language of the arts.

### 2/3 DIMENSIONAL ART 2P

Prerequisites: 2-3 Dimensional Art 1P.

2/3 Dimensional Art 2P introduces the student to the history and culture of art from Impressionism to the present. Students will continue to develop the ability to express the elements and principles of art through original and abstract imagery art. Students will create original works of art in both two and three-dimensional media.

### 2/3 DIMENSIONAL ART 3P

Prerequisites: 2/3 Dimensional Art 2P and portfolio.

2/3 Dimensional Art 3P further develops students' analytical, historical, and artistic skills. Students work expressively on original works of art in the media of their choice. Comparative studies of Eastern and Western artistic interpretations are explored.

### ART 1P

Art 1P introduces the beginning student to the Elements and Principles of Design through media exploration, art history, and self-expression. Drawing skills are developed with contour drawing, perspective drawing, portraits, still life and other experiences. As drawing skills progress, students are exposed to a variety of media as they continue to develop their understanding and application of principles of design by utilizing elements of art.

### ART 2P

Prerequisites: Art 1P.

Art 2P provides an in-depth exposure to advanced levels of drawing and painting, building on skills learned in Art 1P while preparing the student for AP Studio Art. Students will improve their ability to see and create as they master varied materials and techniques while creating representational and interpretation all drawings and paintings.

### ART 3P

Prerequisites: Art 2P.

This class is the culmination of the art student's experiences and theories learned in Art 1P and 2P. This class is less teacher-directed and more student-driven, because students determine areas of expertise and interests while continuing to improve their creative expression. This course is recommended for those considering art as a career and/or major in college.



### 2/3 DIMENSIONAL ART 4 or ART 4

Prerequisite: Three years of the same visual art discipline.

These courses are offered for the highly motivated art students, who are seriously interested in the practical experience of art. Students will design a concentration of study. Grading will be based on the success of the portfolio along with formal and informal critiques with the instructor.

Note: *These courses are not on the A-G list.*

### ADVANCED PLACEMENT (AP) STUDIO ART: 2-D DESIGN

Prerequisite: "B" or higher in Art 2P and permission of instructor.

This AP course is designed for those students who have expressed an interest in completing the AP Studio Art: 2-D Design Portfolio. Through direct teacher instruction, emphasis will be placed on the production of a volume of quality artwork that addresses all three components of the portfolio requirements: Breadth, Concentration, and Quality. Student-artists will be challenged to develop their own personal work that exhibits mastery of concept, composition and execution of their individual ideas and themes and that demonstrates that art making is a process that uses informed and critical decision making to solve problems creatively.

### DRAMA 1P

This course is designed to introduce students to all areas of the theatre, including acting, technical skills, directing and producing. The students will also study various works from several prominent playwrights from periods of history. Students will have a chance to explore each of these areas, and will receive from the course a base, which prepares them to serve in many areas in any production. Students will also develop a better understanding of the hard work that goes into putting on a production.

### DRAMA 2P

Prerequisite: Drama 1P

This course is designed for students who want further instruction in all areas of theatre, including acting, technical skills, and directing. Students will learn to evaluate productions based on these criteria. The students will study these areas using plays beginning with Shakespeare and moving to modern one-act plays. Emphasis will also be placed on modern American theatre and musical theatre. Students will also be expected to help in the production of both school plays to learn the elements needed to bring a play to life on the stage.

### DRAMA 3P

Prerequisite: Drama 2P

This course is designed for students who wish to learn more about the performance and historical aspects of the theatre. Focusing outside the modern American play, this course allows the students to discover the origins of many concepts still seen in the active theatre. Students will study various cultures and time periods, and create original performances based on the techniques that were prevalent in each. The course will increase student knowledge of theatre and history, as well as stretch their acting abilities to places yet untried, making them better, more well-rounded performers.

### DRAMA 4

Prerequisite: Drama 3P

Students will be taking more of a leadership role in the theatre production. Assignments will be based on all previous knowledge learned with the expectation that new ideas of performing will be incorporated.

Note: *This course is not on the A-G List.*

## FILM 1P

Prerequisite: Junior or senior standing

This course, Film & Video Production 1, is designed to introduce students to media, film and video production tools, techniques, software applications and practice. Students will simulate entering a video production studio while working on various video, television and media production projects with a team. Learning to use digital software programs will give students software skills required to advance into career opportunities in movie, film, radio and television broadcasting. Topics include the fundamental aspects of storyboarding, script writing, camera operation, lighting, audio recording, video editing, and using aesthetic elements and techniques.

## INSTRUMENTAL MUSIC ENSEMBLE (BAND 1)

Music Ensemble is a performance based, yearlong course open to any student (grades 9-12) with previous instrumental music experience. Students will participate in rallies, at games, concerts, and other school functions. Students will also be exposed to other kinds of instrumental music, especially jazz and contemporary music. Students may be required to become familiar with others types of instruments.

Note: *A-G status pending.*

## ADVANCED JAZZ BAND P

Prerequisite: successful completion of Instrumental Music Ensemble (Band 1) *or* audition

Advanced jazz band is a selective course offered to all students who pass the audition process or who have prepared for more in-depth study through Instrumental Music Ensemble. This course is designed to develop skill and performance levels, as well as to increase the knowledge in music theory and music history. Students may play more than one instruments a year. Students will perform medium to difficult high school instrumental music with an emphasis in jazz. The ensemble will perform at masses and at concerts during the year.

## CHOIR P

Choir is a performance-based class open to students with or without formal training. Students will study and perform a variety of sacred and secular choral music in many different styles. Emphasis will be placed on developing the complete musicianship of each student. All students will learn healthy vocal production appropriate for choral and solo singing.

## ADVANCED CHOIR P

Prerequisite: successful completion of Choir P *or* audition

Advanced choir is a selective course open to all students who pass the audition process. This course is designed to develop skill and performance levels, as well as to increase the knowledge in music theory and music history. Students will perform medium to difficult high school choral literature for performances.

## THEATRICAL PRODUCTION P

Prerequisite: Successful completion of Drama 1P

This course focuses on beginning theoretical and practical training in non-performance areas. These areas include a brief history of theatre architecture/technology, the design process, tools and materials used for performances, style, composition, design, color scenic design, costuming, stage/scene painting, set dressing, lighting/sound design with technology, set construction, and stage management. Through these areas students will learn how to apply the theoretical ideas of design and turn those ideas into reality for live production. Students will be assessed both formally and informally through a variety of assignments. Students will also have the opportunity to showcase their skills through production assistance with the school's main stage performances.

## WORLD LANGUAGES DEPARTMENT

The graduation requirement states that all students must take two years of World Language. All World Language courses offered at San Joaquin Memorial are one year in length.

Note: All Italian and Spanish courses meet the F (Language Other than English) A-G requirement.

### ITALIAN 1P

Italian 1P provides an introduction to the beautiful language and culture of the Italian peninsula and its people. In addition to building a strong foundation in language comprehension, reading, writing, and speaking, the first year experience provides the student with an understanding and appreciation for the Italian culture, including basic geography, history, traditions and customs. By actively participating in class and devoting a reasonable amount of individual time, the student may expect to develop such skills as reading, writing, speaking and listening as well as open-mindedness toward cultural traditions different from his/her own.

### ITALIAN 2P

Prerequisites: Successful completion of Italian 1P with a grade of "C" or better, or permission of the department.

This course is designed for students who have attained a novice mid-level of the target (Italian) language, with the primary goal to move toward higher levels of language proficiency. In this course, students will expand and add to the themes addressed in Italian 1P. They will review and experience additional vocabulary, idiomatic expressions, and language structure in order to improve their conversational, comprehension, reading and writing skills. Students will increase the use of the target language by engaging in various reading, writing, speaking, listening and cultural activities.

### ITALIAN 3P

Prerequisites: Successful completion of Italian 2P with grade of "C" or better, or permission of the department.

This course is designed for students who have attained a novice high-level of the Italian language, with the primary goal to move toward higher levels of language proficiency. In this course, students will review and expand on the themes experienced in Italian 1P and 2P. Students will continue to improve their conversational, comprehension, reading and writing skills by utilizing the target language (Italian) in various reading, writing, speaking, listening and cultural activities.

### ITALIAN 4P

Prerequisites: Successful completion of Italian 3P with grade of "C" or better, or permission of the department.

Italian 4P is for students who have attained an intermediate-low to intermediate mid-level of Italian language proficiency. Students will continue to focus on popular, real-life themes to enhance their comprehension, speaking, reading and writing skills of the target language (Italian). In order to achieve this, the teacher will speak primarily in Italian; students will be expected to do the same. By initiating and maintaining conversations on familiar topics in the target language (Italian), the students will be able to advance toward higher levels of language proficiency.

### SPANISH 1P

Spanish 1 provides an introduction to the Spanish language and culture. Students will learn the elements of basic conversational Spanish. Emphasis will be placed on developing proficiency, using the present tense in the areas of reading, writing, speaking and listening. The course goal will be to move towards proficiency, which means emphasis will be placed on communicating in the target language (Spanish). Much of the language practice will be accomplished by students working in pairs or groups. Most importantly, students will begin their journey towards learning a second language, giving a multitude of opportunities in the future

### SPANISH 2P

Prerequisites: Successful completion of Spanish 1P with a grade of "C" or better, or permission of the department.

This course is designed for students who have attained a novice mid-level of Spanish, with the primary goal to move towards higher levels of language proficiency, which means a lot of emphasis will be placed on communicating in the target language (Spanish). In this course, students will expand and add to the themes addressed in Spanish 1P; for example, the addition of the present, the preterit and the imperfect tenses of regular, irregular and reflexive verbs. In this course, students will review and experience additional vocabulary. They will continue to improve their conversational, comprehension, and writing skills. Furthermore, students will use the target language (Spanish) in various reading, writing, speaking, listening and cultural activities.

### SPANISH 3P

Prerequisites: Successful completion of Spanish 2P with a grade of "C" or better, or permission of the department.

This course is designed for students who have attained a Novice High level of the Spanish language, with the primary goal to move towards higher levels of language proficiency, which means a lot of emphasis will be placed on communicating in the target language. In this course, students will review and expand on the themes addressed in Spanish 1P and 2P, as well as experience additional tenses and moods. Students will continue to improve their conversational, comprehension, reading and writing skills by utilizing the target language (Spanish) in various reading, writing, speaking, listening and cultural activities.

### SPANISH 4P

Prerequisites: Successful completion of Spanish 3P with a grade of "C" or better, or permission of the department.

Spanish 4P is meant for students who have attained an Intermediate Low to an Intermediate Mid level of Spanish language proficiency. Students will focus on speaking and writing in the target language (Spanish) at a more advanced level. In order to achieve this, the teacher will speak exclusively in Spanish, and the students who enroll in this course will be expected to do the same. Students will initiate, maintain and close a conversation on a familiar topic. The goal of the student will be to demonstrate control of grammar and syntax in the target language. Students will also describe, narrate and present information or persuasive arguments on general topics and use language that is semantically and grammatically accurate according to a given context.

Note: *A-G Status Pending*



## **OTHER COURSES**

Courses offered under this category are not designed to meet a specific graduation or A-G requirement and are offered for elective purposes. Students seeking to demonstrate a particular skill and/or well roundedness are encouraged to carefully consider these options.

### COMPUTER SCIENCE P

See course description in Math Department section.

### ADVANCED PLACEMENT (AP) COMPUTER SCIENCE PRINCIPLES

See course description in Math Department section.

### ADVANCED PLACEMENT (AP) SEMINAR

See course description in Social Science Department section.

### ADVANCED PLACEMENT (AP) RESEARCH

See course description in Social Science Department section.

### YEARBOOK PRODUCTION 1

Prerequisite: Permission of Instructor.

Yearbook is an application-based course open to 10th, 11th, and 12th grade students. The course has been designed to provide students with journalism, photography, and design skills and the ability to apply those skills to the production of the yearbook. Units of study include coverage, concept, thematic development, production, section development, reporting and writing, headlines, photos and captions, editing, design, graphics, advertising and money matters. *Actual work results in the current volume of the San Joaquin Memorial High School yearbook, Spirit, a tradition in which the yearbook student, the school and community can take pride.*

### YEARBOOK PRODUCTION 2

Prerequisite: Yearbook Production 1 and permission of the instructor.

Students enrolling for a second year of yearbook will take on advanced roles in the production of the yearbook. Units of study include coverage, concept, thematic development, production, section development, reporting and writing, headlines, photos and captions, editing, design, graphics, advertising and money matters. *Actual work results in the current volume of the San Joaquin Memorial High School yearbook, Spirit, a tradition in which the yearbook student, the school and community can take pride.*

### YEARBOOK PRODUCTION 3

Prerequisite: Yearbook Production 2 and permission of the instructor.

See description for Yearbook Production 1 & 2. This third level of yearbook production is possible for students who assume editor status, want extensive knowledge in desktop publication and journalistic skills. Yearbook Production 3 students also serve as the leaders of the class taking on mentor roles.

### ASB SERVANT LEADERSHIP P “Leadership Development”

Prerequisite: Required of elected Associated Student Body Officers; student must be in good academic and citizenship standing. Application and interview required. Student must request class to receive application.

Recommended for class council members, club & team leaders, anyone interested in learning leadership skills.

This project-based course will introduce students to servant leadership. Students will learn about the importance of serving others, their school, their community, and their world. The class is designed to teach leadership skills and governmental structure, which ultimately enhances school pride, spirit, and culture as well as the student’s individual knowledge of a working environment.

Through the planning and implementation of activities, programs, and events for the SJM community, students will experience the various components of effective group membership and leadership.

*Note: When selecting Leadership as an elective, it is critical that a viable alternate elective also be indicated. Class size is limited and very selective.*

*Note: This course meets a 1-year “G” requirement.*

### STUDENT AIDE

Prerequisite: Senior standing; permission of the instructor/administrator. Course not available as an elective until permission is granted.

Student aides will be assigned to specific rooms at specific periods and are expected to work with instructor/administrator during these periods unless prior arrangements are made. During each semester, the student may be enrolled in only one Student Aide Course. All offerings are Pass/Fail courses earning full unit credit. Students seeking positions as student aides must be approved by the faculty member/administrator for whom they will work.

The following offices traditionally are open to students seeking positions as aides:

- Attendance  
Duties: Filing and alphabetizing; picking up attendance slips; delivering messages; answering telephones.
- Administrative Office  
Duties: Miscellaneous clerical duties, operation of office machines, delivery of packages and messages throughout the campus, and other duties related to the functioning of the administrative offices.
- Counseling Department  
Duties: Delivering messages and running errands; collating and sorting materials; copying; maintaining offices; miscellaneous clerical duties. Confidentiality is required. Peer Counseling will also be available for qualified students.

*Note: During registration, Aide position is only available as alternate selection.*

APPENDIX A

<p><b>San Joaquin Memorial High School</b> <b>2019-2020</b> <b>Advanced Placement Student Agreement</b></p>
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As a student in the San Joaquin Memorial High School Advanced Placement Program, I understand and agree to the following:

- I will attend the mandatory Spring 2019 meetings where I will receive summer assignments.
- I will be responsible for all summer reading and writing assignments for each of my AP classes.
- All summer reading and writing assignments will be due no later than the first day of school. I understand that only students who complete summer work will be allowed to remain in an AP class.
- If I elect to withdraw from an AP class, my parent/guardian must submit a request in writing to Ms. Arceo, AP Coordinator, on or before July 15, 2019.
- After July 15, 2019, I will not be allowed to withdraw from an AP class without a written, verifiable, compelling reason and a conference with the teacher and Vice Principal of Academics.
- I will not be allowed to drop an AP class for any reason after the second week of school.
- I am required to pay for and take the AP exam for each course in which I enroll.

Student Name: \_\_\_\_\_ Current Grade: 9 10 11  
*Print clearly* *circle one*

List all AP Courses you intend to take:

My signature below indicates that I have read, discussed with my parent, and agree to the statements above.

\_\_\_\_\_  
(Student Signature) (Date)

My signature below indicates that I have read, discussed with my student, and agree to the statements above.

\_\_\_\_\_  
(Parent Signature) (Date)

*Sign and return contract with 2019-2020 Registration materials by **March 14, 2019**.*  
*Note: Failure to submit completely signed contract will void registration in any AP classes for the 2019-2020 school year.*