

Saint Joseph High School Course Catalog

## Saint Joseph High School Graduation Requirements

Students must enroll in six courses during each semester of high school to earn a minimum of 240 credits to graduate.

| Departments | Credits | Specific Courses |
| :---: | :---: | :---: |
| Religious Studies | 40 Credits | Grade 9 - Religion I (two semesters) <br> Grade 10 - Religion II (two semesters) <br> Grade 11 - Sacraments/Morality (two semesters) <br> Grade 12 - Two of the following: <br> - Christian Vocations (one semester) <br> - Peace and Justice (one semester) <br> - World Religions (one semester) |
| English | 40 Credits | In each grade, students must complete two semesters of English. <br> Grade 9 - English 1 <br> Grade 10 - English 2 <br> Grade 11 - English 3 <br> Grade 12 - English 4 |
| Social Studies | 30 Credits |  |
| Mathematics | 30 Credits | Enrollment in math courses varies, depends on each student's college and career goals and each student's skills. |
| Science | 20 Credits | One year of biological science <br> One year of physical science |
| World Languages | 20 Credits | Two years of a single language |
| Visual and Performing Arts | 10 Credits | One year of the SAME visual or performing art |


| Physical Education | 5 Credits | One semester |
| :---: | :---: | :--- |
| Health | 5 Credits | One semester |
| Credits from Required Courses | $\mathbf{2 0 0}$ Credits | 40 Credits |
| Elective Credits | Please note: only ten elective credits may be earned as a <br> Teacher's Aide, Office Assistant, or Lab Assistant |  |
| Total Credits for Required and <br> Elective Courses | $\mathbf{2 4 0}$ Credits | Note: All "F" grades must be remediated prior to a <br> student's senior year to earn graduation credit for the <br> course in which the student earned. |


| Additional Required Graduation Requirements |  |  |
| :--- | :---: | :--- |
| Christian Service to the Dear Neighbor | 105 Hours | Seven semesters, 15 hours per <br> semester |
| Senior Capstone Project and Interview | Passing Grade | Spring semester of senior year |
| Writing Formative Assessment | Passing Grade | Spring semester of grades 9, 10, 11, 12 |

## UNIVERSITY OF CALIFORNIA \& CALIFORNIA STATE UNIVERSITY REQUIREMENTS

- THE UNIVERSITY OF CALIFORNIA (UC)

UC Berkeley, UC Davis, UC Irvine, UC Los Angeles, UC Merced, UC Riverside, UC San Diego, UC San Francisco, UC Santa Barbara, and UC Santa Cruz)

- CALIFORNIA STATE UNIVERSITY SYSTEM

Bakersfield, Channel Islands, Chico, Dominguez Hills, Fresno, Fullerton, Hayward, Humboldt, Long Beach, Los Angeles, California Maritime Academy, Monterey Bay, Northridge, Polytechnic University at Pomona and San Luis Obispo, Sacramento, San Bernardino, San Diego, San Francisco, San Jose, San Marcos, Sonoma, and Stanislaus

The student must complete the following courses with a grade of "C" $\mathbf{( 7 5 \% )}$ or better to be considered for acceptance at a UC or Cal State.

| A-G Requirement | Credits | High School Course Requirement |
| :---: | :---: | :---: |
| A History | Two years | - One year of U.S. History <br> OR <br> - One semester of U.S. History plus one semester of U.S. <br> Government <br> AND <br> - One year of World History |
| B English | Four years | - One year at each grade level |
| C Mathematics | Three years <br> (Four years <br> recommended) | - Algebra 1 <br> - Geometry <br> - Algebra 2 |
| D Laboratory Science | Two years <br> (Three years <br> recommended) | - Biology AND <br> - Chemistry or Physics |
| E World Language | Two Years <br> (Three years <br> recommended) | - Two years of a single world language |
| F Visual and Performing Arts | One year | - One year of a single Visual or Performing Art |
| G Elective Course | One year | Chosen from the following academic disciplines: <br> English, advanced math, laboratory science, world languages, social science |

Please note: During her four years at Saint Joseph High School, a student is permitted to take only two on-line courses from a third-party provider for graduation credit.

## COURSE DESCRIPTIONS

$\mathbf{P}=$ Course meets UC/CSU requirements for admission to college or university
$\mathbf{H P}=$ Course meets UC/CSU requirements for Honors credit.
$\mathbf{A P}=$ Advanced Placement Course

## RELIGIOUS STUDIES

Two Semesters Required for Each Year of High School (Eight Semesters Total)

- 711 Religion 1/SACRED SCRIPTURE (Semester 1)

Through a study of sacred scripture and both Hebrew and Christian testaments, the students will come to know Jesus Christ more deeply and understand His teachings more fully. This course is designed to follow the United States Conference of Catholic Bishops (USCCB) Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age.

- 712 Religion 1/CHRISTOLOGY (Semester 2)

Through a study of Christ's life, ministry, and mission, students will better appreciate and understand the dual (human and divine) nature of Christ. Starting with their lived experience, students will be challenged to make their lives a lived response to the call to discipleship. This course is designed to follow the United States Conference of Catholic Bishops (USCCB) Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age.

| Prerequisites and Required Resources: | Successful completion of Religion 1 <br> Laptop or notebook computer or iPad |
| :--- | :--- |

## 721 Religion 2/THE MISSION OF CHRIST (Semester 1)

Through this course of study, students will learn that God's plan of eternal life for us, His children, is accomplished through the redemption that Christ has won for each of us. Students will learn what it means to be a disciple of Christ and what living a life of discipleship truly means. This course is designed to follow the United States Conference of Catholic Bishops (USCCB) Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age.

Through this course of study, students will learn about the sacred nature of the Paschal mystery of the Church. Students will come to know the Church on Earth to be the living Body of Christ in the world. Students will come to appreciate that in, and through the Church, they encounter the living Jesus Christ, the Head of the Church, the Body of Christ. This course is designed to follow the United States Conference of Catholic Bishops (USCCB) Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age.

Religion 3/SACRAMENTS (Semester 1) Grade 11
The objective of this course is to help students to understand and to value that they can encounter Christ today in a full and meaningful ways in and through the Sacraments, especially the Eucharist. Students will explore and examine each of the seven sacraments in detail, as a means to grow in intimacy with Christ and in their ability to encounter and live their personal relationship with Christ throughout life as members of His Church. This course is designed to follow the United States Conference of Catholic Bishops (USCCB) Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age.

The purpose of this course is to help the student to understand that it is only through Christ that she can fully fulfill God's plans for her life. The Ten Commandments are presented as guideposts to living as children of God, and students are introduced to the moral concepts and other laws of the Church that guide them in living as Christ's disciples. This course is designed to follow the United States Conference of Catholic Bishops (USCCB) Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age.

## RELIGION 4

Prerequisites and Required Resources: $\quad$ Successful completion of Religion 3 Laptop or notebook computer or iPad

Grade 12

Prerequisites and Required Resources:
Successful completion of Religion 3 Laptop or notebook computer or iPad

This course examines and reflects on the call to all Christians to make a life commitment to Christ through various paths: Christian marriage, Religious life, and unmarried Christian life. The emphasis of the course is the process which makes it possible for one to make responsible choices regarding her response to Christ's invitation, "Follow Me." This course is designed to follow the United States Conference of Catholic Bishops (USCCB) Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age.

This course is based on the seven thematic social teachings of the Catholic Church: Life and Dignity of the Human Person, Call to Family, Community and Participation; Rights and Responsibilities; Option for the Poor and Vulnerable; The Dignity of Work and the Rights of Workers; Solidarity; Care for God's Creation. Founded in scripture, the themes are derived from church documents on social issues of the $20^{\text {th }}$ and $21^{\text {st }}$ centuries. Students will analyze current global injustices in light of these themes and problem-solve an action plan to aid the victims. This course is group based, digitally focused, and interactive. This course is designed to follow the United States Conference of Catholic Bishops (USCCB) Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age.

This is a survey course of the world's great religions as humanity's most significant attempts to comprehend the mystery of life. Taking the Church's ecumenical stance, religions are explored for their significant contributions to man's understanding of the Divine. Students explore the theology, practices, and values of eastern and western religions. This course develops critical thinking and evaluations skills through a student centered, interactive environment, which includes time with software applications and the Internet. This course is designed to follow the United States Conference of Catholic Bishops (USCCB) Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age.

This course is an ELECTIVE.
Prerequisites and Required Resources: Laptop or notebook computer or iPad

This one-semester elective course is open to incoming freshmen and transfer students at all grade levels. This course is for non-Catholics or Catholics who have not received formal training in the Catholic Faith. The course is designed to be an overview course which builds a basic background of Roman Catholic teachings, practices, and vocabulary and empowers students to do well in their required Religious Studies courses. Topics include: the Creed, the Mass, prayer forms, Scripture, Jesus Christ and the Saints. This course is designed to follow the United States Conference of Catholic Bishops (USCCB) Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age.

# MINDFULNESS AND THE CONTEMPLATIVE TRADITION (Semester) This course is an ELECTIVE (P) 

Grade 12
Prerequisites and Required Resources: Laptop or notebook computer or iPad Successful completion of Religion 1, 2, 3, 4 Successful completion of Psychology (Recommended)

This one-semester elective course provides students opportunities to learn about the science of mindfulness and offers students opportunities to practice exercises that build daily mindfulness, gratitude, and compassion. This course integrates traditional contemplative practices from various wisdom traditions, as well as contemporary psychology and scientific research to demonstrate that the brain and the mind are pliable and dynamic and can be continually developed to support lifelong wellness through healthy habits of mind and body.

## BUSINESS/DIGITAL SKILLS/COMPUTING

INTRODUCTION TO COMPUTER SCIENCE (Semester)
Grades 9, 10, 11, 12
This course in an ELECTIVE.
Prerequisites and Required Resources: Laptop or notebook computer or iPad
This course is designed to introduce students to the fundamental concepts and skills of computer science through using specific software applications and practicing programming languages. The course focuses on digital literacy and digital citizenship. Students will also practice digital design, assorted applications, and social, safety, and ethical issues related to social media.

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WEBSITE DESIGN, ILLUSTRATION, AND VIDEO PRODUCTION
(Semester) Grades 9, 10, 11,12
This course is an ELECTIVE.
Prerequisites and Required Resources: Laptop or notebook computer or iPad
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This course is designed for students interested in electronic media concepts and projects. Students study digital design skills and digital composition theory while creating projects integrated into computer illustration. Students use programs such as InDesign, Illustrator, and Photoshop to create flyers, advertisements, and websites. Students also practice the fundamentals of video production and editing.

> AP COMPUTER SCIENCE PRINCIPLES (HP) Year This course is an ELECTIVE. Prerequisites and Required Resources: Laptop or notebook computer or iPad Successful completion of Algebra 12 with $90 \%$ or better Students must be able to use a Cartesian $(x, y)$ coordinate system to represent points on a plane.

AP Computer Science Principles is an introductory college-level computing course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity,
abstraction, data and information, algorithms, programming, the internet, and the global impact computing. Students enrolled in this course are required to take the AP examination in the spring semester. Students are required to complete a summer assignment due on the first day of class. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.

ENGLISH

## Written Formative Assessment

Over the course of the school year, each student completes Written Formative Assessments (WFAs) in her English course. Passing the Written Formative Assessment EACH YEAR is a graduation requirement. WFAs must be completed with $73 \%$ or better. Any student whose WFA average falls below $73 \%$ at the end of the sophomore, junior, or senior school year, MUST enroll in the Written Formative Assessment review course, a two-week summer course at SJHS (after the graduation ceremony) before she can receive her diploma. Juniors must successfully complete the WFA summer review course prior to their senior year.

Laptop or notebook computer or iPad Successful completion of English 2 Honors and
Successful completion of English Department Written Formative Assessment of $73 \%$ or better. OR
Successful completion of English 3 with a $70 \%$ or better and
Successful completion of English Department Written Formative Assessment of $73 \%$ or better.

Contemporary Literature is a semester-long fall course paired with the Women's Literature course in the spring semester. It focuses on late twentieth century and contemporary literature. Students become familiar with literary criticism and analysis of fiction and nonfiction of various genres including novels, short stories, plays, poems, essays, and op-ed pieces. Students practice critical thinking and academic writing, build collegiate vocabulary, practice process writing to build writing fluency in standard written English (SWE) integrating correct grammar, usage, and syntax. Out of class, independent reading is required every academic quarter. Students practice various types of research methods and complete a literary research paper using Modern Language Association (MLA) format. Students gain confidence in public speaking/oral presentation skills through several individual and group projects.

Laptop or notebook computer or iPad
Successful completion of English 2 Honors with 83\% or better
and
Successful completion of Written Formative Assessment with $80 \%$ or better in preceding school year OR
Successful completion of English 3 with 89\% or better and
Successful completion of Written Formative Assessment with $80 \%$ or better in preceding school year

Note: Star Reading indicators are considered in student eligibility for this course.
Students whose Written Formative Assessment average is below 80\% are not eligible to enroll in AP English Language and Composition.

AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style. Deadlines for these assignments will vary, depending on the activity. Students must complete the summer assignments throughout the summer and must turn them in on time. Barring compelling reasons, students who do not complete the summer assignments on time will not be permitted to remain enrolled in the course.

141 S AP ENGLISH LITERATURE AND COMPOSITION (HP) (Year) Grade 12
Prerequisites and Required Resources:
Laptop or notebook computer or iPad
Successful completion of AP English Language and Composition with $83 \%$ or better
and
Written Formative Assessment Score of $70 \%$ or better in preceding year
OR
Successful completion of English 3 with 89\% or better
and
Successful completion of English Department Written Formative Assessment with $80 \%$ or better

Note: Star Reading indicators are considered in student eligibility for this course.
Students whose Written Formative Assessment average is below $80 \%$ are not eligible to enroll in AP English Language and Composition.

An Advanced Placement English course in Literature and Composition engages students in careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller scale elements as the use of figurative language, imagery, symbolism, and tone. Students must complete the summer assignments throughout the summer and must turn them in on
time. Barring compelling reasons, students who do not complete the summer assignments on time will not be permitted to remain enrolled in the course.

CREATIVE WRITING (P) (Semester)
Grades 11,12
This course is an ELECTIVE.
Prerequisites and Required Resources:
Laptop or notebook computer or iPad

Note: This course is UC-approved as an online course, so instruction and assessment will be delivered virtually most of the time..

This semester-long course provides students opportunities to practice close reading and analysis of literary works by contemporary authors and to apply what they learn to write their own works of poetry, fiction, flash fiction, and creative non-fiction. Students explore and examine methods and styles used in various genres, such as poetry, song lyrics, fiction, non-fiction, drama, film, and journalism. Students build writing fluency through in-class writing workshops to build effective written communication and to express their ideas creatively in a variety of genres. Over the course of the semester, students compile their own writing portfolios for use with college applications, writing contests, and for publication within and outside of SJHS school.

## Prerequisites and Required Resources: Laptop or notebook computer or iPad

English 1 is a year-long course designed to provide students opportunities to practice and master reading, writing, speaking, critical thinking, and listening fluency through a survey of World Literature including Greek mythology, a play by Shakespeare, and various literary genres (poetry, short story, novel, poetry, fiction, nonfiction). Independent reading is required every quarter. Students practice writing short and long products, including multi-paragraph essays, to build fluency in grammar, usage, and syntax and to practice process writing. Students compile a writing portfolio to track progress.

ENGLISH 1 HONORS (P) (Year)
Grade 9
Prerequisites and Required Resources: Laptop or notebook computer or iPad
90\% or better score on three Reading and Language sections of HSPT SJHS Writing Sample

Note: When available, prior Star Reading indicators are considered in determining student eligibility for this course.

English 1 Honors is a year-long course designed for highly motivated students who plan to take Advanced Placement (AP) English in their junior and senior years. The course provides students opportunities to build reading, writing, speaking, critical thinking, and listening fluency through a survey of World literature including Greek mythology, a play by Shakespeare, and various literary genres (poetry, short story, novel, poetry, fiction, nonfiction). Course pacing is quicker than in English I, and the scope of study is broader and deeper than in English 1. Independent reading is required every quarter. Students practice writing short and long products, including multi-paragraph essays, to build fluency in grammar, usage, and syntax and to practice process writing. Students compile a writing portfolio to track progress.

English 2 is a year-long course designed to continue to provide students opportunities to practice and master reading, writing, speaking, critical thinking, and listening fluency through the survey of fiction and non-fiction World Literature selections of various genres (novels, short stories, plays, poems, etc.). The emphasis of this course is to ensure all students have frequent opportunities to practice and master process writing on long and short products including, but not limited to, multi-paragraph essays. Independent reading is required every quarter. Students practice various types of research methods and complete a literary research project using MLA format. Students have multiple opportunities to practice public speaking/oral presentation skills.

Laptop or notebook computer or iPad
Successful completion of English 1 Honors with $85 \%$ or better Passing score of at least $85 \%$ on Written Formative Assessment or
Successful completion of English 1 with $89 \%$ or better for each semester and passing score of at least $85 \%$ on Written Formative Assessment.

Note: Star Reading indicators are considered in determining student eligibility for this course.
English 2 Honors is a year-long course designed to continue to provide students opportunities to practice and master reading, writing, speaking, critical thinking, and listening fluency through a survey of American literary fiction and nonfiction. Students have frequent opportunities to complete process writing on short and long products, including multi-paragraph essays. Independent reading is required every quarter. Students practice various types of research methods and complete a literary research paper using the MLA format. Students gain fluency in their public speaking/oral presentation skills through several presentation projects.

| ENGLISH $3(\mathbf{P})$ Year |  |
| :--- | :--- |
| Prerequisites and Required Resources: | Laptop or notebook computer or iPad <br> Successful completion of English 2 |

English 3 is a year-long course designed to provide students with opportunities to build and master reading, writing, speaking, critical thinking, and listening fluency through a survey of American Literature, fiction and nonfiction. Students have frequent opportunities to complete process writing on short and long products including, but not limited to, multi-paragraph essays. Independent reading is required every quarter. Students practice various types of research methods and complete a literary research paper using the MLA format. Students gain fluency in their public speaking/oral presentation skills through several presentation projects. Students practice using various types of research methods and complete a literary research paper using the MLA format.

English 4 is a year-long survey course of British Literature, fiction and non-fiction, that continues to provide students with opportunities to practice and master critical reading, writing, speaking, critical thinking, and listening fluency. Independent reading is required every quarter. Students have frequent opportunities to complete process writing on short and long products, including multi-paragraph essays. Independent reading is required each quarter. Students practice various types of research methods and complete a literary research paper using the MLA format. Students gain fluency in their public speaking/oral presentation skills through several presentation projects.

Successful completion of English 3 with a $80 \%$ or better and
Successful completion of English Department Written Formative Assessment of $73 \%$ or better.

Women's Literature is a semester-long spring course paired with Contemporary Literature in the fall semester. The course is a survey of women's literary fiction and non-fiction including multiple genres (novels, short stories, plays, poems, essays, op-ed pieces). The course provides students opportunities to continue to practice and master close reading, writing, speaking, critical thinking, and listening skills. Independent reading is required every quarter. In addition, students practice various types of research methods and complete a literary research paper using the MLA format. Students gain confidence in their public speaking/oral presentation skills through several presentation projects.

## 149 S/150 S YEARBOOK (Year) <br> This is an ELECTIVE. <br> Prerequisites and Required Resources: Laptop or notebook computer or iPad Grade of $73 \%$ or better in current English course

Students enrolled in this hands-on, project based learning course produce the SJHS yearbook. Course focus is on learning basic journalism and editing skills, news writing, graphic design, page design, and photojournalism. Extensive writing and time commitment required. Other requirements include after-school meetings once a month and a $\$ 300$-minimum of business ad sales due by the end of the first semester.

## FAMILY AND CONSUMER SCIENCES

CHILD DEVELOPMENT AND PSYCHOLOGY (Semester) This is an ELECTIVE.

| Prerequisites and Required Resources: | Laptop or notebook computer or iPad |
| :--- | :--- |
|  | There is a $\$ 30$ Materials Fee |
|  | Textbook purchase required. |

This course provides students opportunities to practice and master the basic concepts the physical, emotional, and mental development of the child from pregnancy through childhood years. The course introduces the fundamental concepts of child psychology and child rearing.

CULINARY ARTS (Semester)
This is an ELECTIVE.
Prerequisites and Required Resources:

Grades 9, 10, 11, 12

Laptop or notebook computer or iPad There is an $\$ 80$ materials fee to cover cost of supplies and instructor-curated resources.

This course provides hands-on, project based learning to provide students with opportunities to practice and master home and industrial kitchen practices and cooking methods for a variety of world cuisines. Topics include food sanitation, kitchen safety, and career opportunities in the restaurant and hospitality industries.

This course provides students opportunities to practice and master the fundamentals of employment prospecting, setting realistic salary expectations, engaging in salary negotiations, responsible budgeting, financing major purchases, fundamentals of banking and investing, local, state, and national taxes, and other finance topics necessary for successful independent life after high school.

## MATHEMATICS

Laptop or notebook computer or iPad TI-84 Plus CE graphing calculator required

Algebra 1 provides students opportunities to practice and master essentials of first year Algebra and includes statistics, probability, and geometry. Real world applications are provided throughout this Course. Note: HSPT scores, Math Placement Test and Star Math Assessment indicators are used in determining student enrollment in this course.

ALGEBRA 1, PART 2 (Year)

Grades 9,10
Prerequisites and Required Resources:

This two-year course provides students opportunities to practice and master essentials of first year Algebra and includes statistics, probability, and geometry. Real world applications are provided throughout this course, with an emphasis on pre-algebra during the first quarter. This class is primarily designed for the student who needs to proceed at a more measured pace than Algebra 1. Successful completion of this twoyear course meets the college requirement for Algebra. Note: HSPT scores, Math Placement Test and Star Math Assessment indicators are used in determining student enrollment in this course

| Prerequisites and Required Resources: | Laptop or notebook computer or iPad |
| :--- | :--- |
|  | TI-84 Plus CE graphing calculator required |
|  | Successful completion of Algebra 1 and Geometry with a |
| minimum grade of $73 \%$ or better |  |

This course provides opportunities for students to practice and master using algebraic expressions and sentences to model real world situations; includes linear, quadratic, exponential, logarithmic, trigonometric, and polynomial functions.

Laptop or notebook computer or iPad
Successful completion of Geometry Honors with $85 \%$ or better or
Successful completion of Geometry with a grade of $90 \%$ or better TI-84 Plus CE graphing calculator required

This course provides high ability math students with opportunities to practice and master using algebraic expressions and sentences to model real world situations; includes linear, quadratic, exponential, logarithmic, trigonometric, and polynomial functions Honors course designed for high ability math students. Although similar to the Algebra 2 course, this course moves at a quicker pace than Algebra 2 and includes several additional, highly challenging topics.

222 S
223 S

ALGEBRA 2 PART 1 (Year)
ALGEBRA 2 PART 2 (Year)
Prerequisites and Required Resources:

Grades 11, 12
Grade 12

Laptop or notebook computer or iPad Successful completion of Algebra 1 and
Geometry with a $70 \%$ or better.
TI-84 Plus CE graphing calculator required.

This two-year course features the same opportunities (as the one-year Algebra 2 course) for students to practice and master using algebraic expressions and sentences to model real world situations; includes linear, quadratic, exponential, logarithmic, trigonometric and polynomial functions. This course is designed for the student who needs to proceed through

Algebra 2 at a more measured pace than is offered in the Algebra 2 one-year course. Successful completion of this two-year course meets the college requirement for Algebra 2.

Laptop or notebook computer or iPad
Successful completion Pre-Calculus Honors with minimum grade of 85\% or

Successful completion Pre-Calculus with minimum grade of $93 \%$
TI-84 Plus CE graphing calculator required

This college course provides students the opportunity to practice and master the concepts, methods, and applications of differential and integral calculus typically. Students work to understand the theoretical basis and solve problems by applying their knowledge and skills including determining expressions and values using mathematical procedures and rules, connecting representations, justifying reasoning and solutions, using correct notation, language, and mathematical conventions to communicate results or solutions. Students enrolled in this course are required to take the AP examination in the spring semester to earn the weighted grade for the course and the "AP" designation. Students must complete all summer assignments and turn in on the first day of class. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.

## 243 S

AP CALCULUS BC (HP) (Year) Grades 10,11,12
Prerequisites and Required Resources: Laptop or notebook computer or iPad
Successful completion Pre-Calculus Honors with minimum grade of $92 \%$
And teacher's approval.
or
Successful completion of AP Calculus AB with a grade of $85 \%$ or better.
TI-84 Plus CE series calculator required.
This college course provides opportunities for students to practice and master the concepts, methods, and applications of differential and integral calculus, including topics such as parametric, polar, and vector functions, and series. Students perform experiments and investigations and solve problems by applying their knowledge and skills including determining expressions and values using mathematical procedures and rules, connecting representations, justifying reasoning and solutions, using correct notation, language, and mathematical conventions to communicate results or solutions. Students enrolled in this course are required to take the AP examination in the spring semester. Students must complete all summer assignments and turn in on the first day of class. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.

Laptop or notebook computer or iPad
Successful completion of Pre-Calculus or Introduction to Calculus with $90 \%$ or better
or
Successful completion of Pre-Calculus Honors with $85 \%$ or better TI-84 Plus CE graphing calculator required.

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions. Students have opportunities to practice and master four broad conceptual themes: Exploring Data, Sampling and Experimentation, Anticipating Patterns, Statistical Inference. Students enrolled in this course will take the AP examination in the spring semester. Students must complete all summer assignments and turn in on the first day of class. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time will not be permitted to remain enrolled in the course.

## 211 S GEOMETRY (P) (Year) Grades 9, 10, 11, 12

| Prerequisites and Required Resources: $\quad$Laptop or notebook computer or iPad <br> Successful completion of the SJHS Geometry Readiness <br> Assessment with a score $70 \%$ or better AND successful <br> completion of the one-year Algebra 1 course with a grade of |  |
| :--- | :--- |
|  | $70 \%$ or better. |
|  | TI-84 Plus CE series calculator is required. |

This course integrates synthetic, coordinate, and transformational approaches to geometry; reinforces and extends knowledge of algebra; and develops an understanding of proof. Students have opportunities to practice and master real world applications.

## 210 S GEOMETRY HONORS (P) (Year)

Grades 9,10, 11, 12
Prerequisites and Required Resources: Laptop or notebook computer or iPad
Successful completion of the SJHS Geometry Readiness Assessment with a score of $90 \%$ or better AND successful completion of the full-year Algebra 1 course with a grade of $93 \%$ or better. TI-84 Plus CE series calculator is required.

This course is for high-ability mathematics students. Like Geometry, this course integrates synthetic, coordinate, and transformational approaches to geometry; reinforces and extends knowledge of algebra; and develops an understanding of proof. Students have opportunities to practice and master real world applications. The pacing of this course is more rapid and the depth of study is deeper than in the Geometry course.

Grades 11, 12
Laptop or notebook computer or iPad Successful completion of Algebra 2 Honors with $77 \%$ or better TI-84 Plus CE graphing calculator required.

Pre-Calculus is a college preparatory course intended for students who have successfully completed Algebra 2 and Geometry. Students have opportunities to practice and master functions and their graphs, trigonometry, polar coordinates and complex numbers, conics, exponential and logarithmic functions.

231 S
PRE-CALCULUS HONORS (HP) (Year)
Grades 11, 12
Prerequisites and Required Resources:
Laptop or notebook computer or iPad Successful completion of Algebra 2 Honors with $77 \%$ or better
or
Successful completion of Algebra 2 with $93 \%$ or better TI-84 Plus CE graphing calculator required.

Pre-Calculus Honors is a college preparatory course intended for highly motivated, high ability students. It is a rigorous course designed for students to develop the skills necessary to advance to and succeed in calculus. Students have opportunities to practice and master relations and functions, trigonometry, polar coordinates and complex numbers, conics, logarithmic and exponential functions, discrete math and intro to calculus.

Laptop or notebook computer or iPad Successful completion of Algebra 2 with a minimum grade of $73 \%$ TI-84 Plus CE graphing calculator required.

Statistics is the science of collecting, describing, and interpreting data. This course provides opportunities for students to practice and master basic statistical terms, types of statistics, and sampling techniques. Students analyze data using various statistical techniques and produce and interpret data using probability techniques and statistical inference.

244 S
INTRODUCTION TO CALCULUS (Year)
Grades 11, 12

| Prerequisites and Required Resources: | Laptop or notebook computer or iPad <br>  <br>  <br> Successful completion of Pre-Calculus with a minimum grade of $90 \%$ <br> TI-84 Plus CE series graphing calculator required |
| :--- | :--- |

Students have opportunities to practice and master key concepts in trigonometry while incorporating applications of trigonometry throughout the course. Also included is an in-depth study of functions, limits, and polynomial equations as well as an introduction to differential and integral calculus. This course prepares students for a high school calculus course or a college introductory calculus course.

## PHYSICAL EDUCATION/HEALTH AND WELLNESS

HEALTH (Semester)
Prerequisites and Required Resources:

Grades 9, 10, 11, 12
Laptop or notebook computer or iPad

This course provides opportunities for students to practice and master personal health strategies. Students learn to take responsibility for their own health by learning to make mature, healthful decisions and lifestyle choices related to their physical and emotional wellbeing. Through a basic understanding of the basic body systems and disease, stress reduction and mental health, personal hygiene, nutrition, substance abuse, and reproduction, the student forms a background that will allow her to make wise, healthy choices both now and in the future.

PHYSICAL EDUCATION (Semester)
Grades 9, 10, 11, 12
Prerequisites and Required Resources: Laptop or notebook computer or iPad Physical Education Uniform and appropriate Training Shoes

This course provides opportunities for students to practice and master rules, strategies, and techniques of several sports including basketball, football, soccer, softball, and volleyball. This class will also include physical fitness testing, weight lifting, and aerobic exercise.

SPORTS MEDICINE (P) (Semester) This is an ELECTIVE.
Prerequisites and Required Resources: Laptop or notebook computer or iPad Successful completion of Biology with $83 \%$ or better

Sports medicine is an area of health that applies medical and scientific knowledge to prevent, recognize, manage, and rehabilitate injuries related to sports, recreational activity, or exercise. This course provides opportunities for students to study sports medicine including, but not limited to, sports medicine related careers, prevention of athletic injuries, recognition, evaluation, immediate care of athletic injuries, rehabilitation skills, taping and wrapping techniques, first aid/CPR, emergency procedures, human anatomy and physiology, legal and ethical considerations. Laboratory activities are included.

## SCIENCE

ANATOMY AND PHYSIOLOGY (P) (Year)
Grades 11, 12

Prerequisites and Required Resources: Laptop or notebook computer or iPad Successful completion of one year of Biology and<br>Successful completion of one year of Chemistry Minimum unweighted GPA of 2.8

Anatomy and Physiology is a lab course that provides opportunities for students to practice and master concepts of the structure and function of the human body from cells to the total organism. This course is especially designed for the student who has a serious interest in pursuing a career in the health or medical field.
-322 S AP BIOLOGY (HP) (Year)
Grades 11, 12
Prerequisites and Required Resources:

Laptop or notebook computer or iPad
Successful completion of Biology AND Chemistry with $93 \%$ or better
OR
Honors Biology AND Honors Chemistry with $89 \%$ or better.
Recommendation of current science teacher
AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions. Biology is designed to be equivalent to a college-level introductory biology course and aims to provide students with an understanding of the conceptual framework of modern biology. Students can expect to be challenged intellectually and academically, and are expected to exercise the academic behaviors reflective of a responsible college student. Students enrolled in this course are required to take the AP examination in the spring semester. Students must complete all summer assignments and turn in on the first day of class. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.

AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy. All students are challenged intellectually and academically, and are expected to exercise the academic behaviors reflective of a responsible college student. Students enrolled in this course are required to
take the AP examination in the spring semester. Students must complete all summer assignments and turn in on the first day of class. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.

AP Environmental Science is designed to be the equivalent of a one-semester introductory college course in environmental science. Students have opportunities to cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts like the four Big Ideas; energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability. Students enrolled in this course are required to take the AP examination in the spring semester. Students must complete all summer assignments and turn in on the first day of class. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.

336 S
AP PHYSICS 1 (Year)
Prerequisites and Required Resources:

Grades 11,12
Laptop or notebook computer or iPad Successful completion of Pre-Calculus AND Chemistry with $90 \%$ or better; concurrent enrollment in Calculus

AP Physics 1 is an algebra-based, introductory college-level physics course. Students have opportunities to cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, and waves. Students must complete all summer assignment and turn in on the first day of class. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.

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ENGINEER YOUR WORLD (P) (Year)
Grades 9, 10, 11, 12
Prerequisites and Required Resources: Laptop or notebook computer or iPad
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Developed by a team of University of Texas faculty, NASA engineers, and secondary teachers working with funding from the National Science Foundation, Engineer Your World is an innovative, student-centered curriculum that engages learners in authentic engineering experiences and inspires them to embrace an engineer's habits of mind. Collaborative, student-directed projects build resilient problem solving skills and empower students to think like engineers, to adopt engineering processes, and to pursue engineering disciplines for the betterment of our world.

| Prerequisites and Required Resources: | Laptop or notebook computer or iPad <br> Successful completion of ENGINEER YOUR WORLD with $85 \%$ or <br> better |
| :--- | :--- |

Engineering Applications of Computer Science builds on the EYW I course, relying on students' prior learning of the engineering design process and collaborative skills, while adding more technically challenging projects with a focus on programming and computational thinking to solve engineering design challenges. Students will work in teams to program an Instagram-like picture filter, develop a webcam system that provides real-time feedback to physical therapy patients, build and program a variety of assistive devices using a Raspberry Pi and other electronic hardware, develop a robot that drives on an adaptable path through a hospital to visit patient rooms and deliver supplies, and build and launch a water rocket for maximum altitude. Students will gain valuable Python programming and engineering experience and have fun at the same time!

GENERAL BIOLOGY (P) (Year)
Grades 9, 10, 11
Prerequisites and Required Resources:
Laptop or notebook computer or iPad

General Biology is a laboratory course that provides opportunities for students to practice and master the scientific method, principles of cell theory, genetics, evolution, and ecology.

Grades 10,11
Prerequisites and Required Resources: Laptop or notebook computer or iPad
Successful completion of Algebra 1 with $80 \%$ or better.

General Chemistry is a laboratory course that provides opportunities for students to practice and master basic physical and chemical laws. Topics covered: acid-base theory, moles and molar masses, chemical formulas, atomic theory and molecular structures, equations, periodic table and chemical families.

HONORS BIOLOGY (HP) (Year)
Grades 9, 10, 11,12
Prerequisites and Required Resources:
Laptop or notebook computer or iPad
Grade 9 3.7 GPA and Algebra 1 with A- and Science grade A/Aand HSPT Math $=85$ or higher and has successfully completed Health and PE and has permission of instructor and

Grades 10, 11 Successful completion Chemistry w/at least $90 \%$
or
Successful completion Hon. Chemistry at least $85 \%$
Honors Biology is a laboratory course designed to be the equivalent to a college introductory course taken by non-majors. Students have opportunities to practice and master basic concepts of the scientific method, cell theory, energy and metabolism, genetics, evolution, ecology, basic biochemistry and comparative anatomy/physiology.

Honors Chemistry is a laboratory course for highly capable students. Students have the opportunity to practice and master basic physical and chemical laws. The topics covered are: acid base theory, gas laws, moles and molar masses, chemical formulas, atomic theory and molecular structures, chemical equations, periodic table and chemical formulas, and thermodynamics. Mathematics in chemistry is emphasized.

Grades 11,12
Prerequisites and Required Resources:
Laptop or notebook computer or iPad

Successful completion of Pre-Calculus AND Chemistry with a $90 \%$ or better
Concurrent enrollment in either Calculus (preferred) or AP Statistics

Honors Physics is a laboratory course for highly capable college-prep students anticipating a science major in college. Students opportunities to practice and master basic laws of the physical world including concepts of mechanics (motion, force, energy, conservation of mass and momentum, and celestial movement), thermodynamics, waves, light, sound, and electromagnetism.

## 324 S MARINE BIOLOGY (P) (Year) Grades 11,12

Prerequisites and Required Resources: Laptop or notebook computer or iPad
Successful completion of one year of biological science and
One year of Physical Science
Students have opportunities to practice and master basic principles of marine biology including the marine environment and organisms and ecological impact of marine habitats on human habitats.

## 341 S PHYSICS (P) (Year) Grades 11,12

Prerequisites and Required Resources: Laptop or notebook computer or iPad
Successful completion of Algebra 2 with 85\% and
Successful completion of Chemistry with $85 \%$
Concurrent enrollment in Precalculus
Physics provides students opportunities to practice and master basic laws of the physical world including concepts of mechanics (motion, force, energy, conservation of mass and momentum, and celestial movement), thermodynamics, waves, light, sound, and electromagnetism.

## 350 S SCIENCE LAB ASSISTANT (Semester) Grades 11,12

Prerequisites and Required Resources: Laptop or notebook computer or iPad
Successful completion of a science LAB course at least 75\%
Students have opportunities to practice and master hands-on skills assisting the instructor before, during, and after student lab experiments, setting up and maintaining lab equipment, processing samples, classifying results, and recording findings.

This is an introductory level course that provides opportunities for the student to practice and master fundamental concepts and practices in the physical and chemical sciences. This lab-oriented course introduces the students to the scientific method and lab techniques as well as the laws and concepts of the physical sciences. Students who have successfully completed chemistry and/or physics with 75\% or better are not eligible to enroll in survey of Physical Science.

Laptop or notebook computer or iPad

$$
\text { Successful completion of Biology with } 75 \% \text { or better }
$$

This one-year course explores the foundations of Earth Science in the following related topics / fields: Earth's place in the universe, dynamic Earth processes, Energy in the Earth system, biochemical cycles, structure and composition of the atmosphere, and California geology. Students will have the opportunity for self-assessment as well as for teacher guidance and assessment throughout the course including the preparation and finalization of two semester Problem Solving Projects, which focus on research, organization, and drafting strategies. The course covers scientific terminology, historical and cultural advances in science, vocabulary building, test taking strategies, and several simulated labs, hands-on labs, the essay, workplace documents, and science projects using the scientific method

## SOCIAL STUDIES

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. This course satisfies the senior American Government requirement. Students will still need to take the required Economics course. Students enrolled in this course are required to take the AP examination in the spring semester. Students are required to complete all summer assignments, which will be collected on the first day of class in the fall.

Laptop or notebook computer or iPad
Successful completion of English 10 or English 11with 85\% or better both semesters

AP Honors Biology or Biology with $85 \%$ or better both semesters

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students enrolled in this course are required to take the AP examination in the spring semester. Students are required to complete all summer assignments, which will be collected on the first day of class in the fall. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.|

## 832 S AP UNITED STATES HISTORY (HP) (Year)

| Prerequisites and Required Resources: | Laptop or notebook computer or iPad <br> Successful completion of Word History 90\% or better <br> or |
| :--- | :--- |
|  | AP World History with $85 \%$ or better AND English II or English II |
| Honors with $85 \%$ or better |  |

AP US History provides students opportunities to study the cultural, economic, political, and social developments that have shaped the United States from c. 1491 to the present. Students analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments. This course satisfies the junior American History requirement. Students enrolled in this course are required to take the AP examination in the spring semester. Students are required to complete all summer assignments, which will be collected on the first day of class in the fall. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.

Note: Star Reading indicators are considered in student eligibility for this course.
AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. The students in this course are expected to do a considerable amount of reading in both the major text and supplementary sources. This course is designed to continue the development of historical research and writing skills. Students enrolled in this course will take the AP examination in the spring semester. Students are required to complete all summer assignments, which will be collected on the first day of class in the fall. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.

This one-semester survey of economics provides students opportunities to practice and master fundamentals of microeconomics, macroeconomics, global economics and personal finance. Students study contemporary economic systems as well as several current economic issues in our country and around the world. This course may be open to Grade 11 if enrollment space is available.

846 PSYCHOLOGY (P) (Semester) Grades 11,12
Prerequisites and Required Resources: Laptop or notebook computer or iPad Successful completion of Sociology with a $75 \%$ or better is advisable Successful completion of English 10 or English 11 with $75 \%$ or better both semesters is advisable

This fall semester course is typically paired with sociology in the spring semester. Psychology provides opportunities for students to practice and begin to master scientific and critical thinking as they explore a variety of topics within the field of psychology. Introductory topics include research methods, neuroscience, sensation and perception, motivation, learning principles, cognition, child development, personality, intelligence, abnormal and clinical psychology. Students taking psychology are encouraged to enroll in sociology the following semester.

## 848 S SOCIOLOGY (P) Semester

 Prerequisites and Required Resources:Grades 11,12
Laptop or notebook computer or iPad Successful completion of psychology with a $75 \%$ or better is advisable.

Sociology provides opportunities for students to study, understand, and apply the relationship between individuals and their society. Topics include social norms, family, group relations, social change, stratification and institutions. Contemporary social problems and solutions are examined. The class is available to juniors and seniors. Students taking sociology are encouraged to enroll in psychology the following semester.

| Prerequisites and Required Resources: | Laptop or notebook computer or iPad |
| :--- | :--- |
|  | Successful completion United States History. |

This one-semester course provides students with opportunities to build and master an understanding of the foundations and structure of the American government. Students study the historical, social, cultural, and religious perspectives, philosophy and values of the Founding Fathers, the three branches of government, and the mechanisms of the contemporary political process. This course may be open to Grade 11 if enrollment space is available.

This required survey course in United States History. The course provides students with opportunities to practice and master an understanding of the U.S. Constitution, growth of
democracy, rise of sectionalism, and the issues of the Civil War, the Reconstruction Period, extending to World War I.

UNITED STATES HISTORY PART II (P) (Required) (Semester)<br>Prerequisites and Required Resources: Laptop or notebook computer or iPad Successful completion of United States History Part I

Grade 11

This is the second part of the required survey course in United States History. This course provides opportunities for students to practice and master the growth of industrialization and the United States as a world power in the 20th Century and beyond.


This is the second part of the required survey course in World History. Students have opportunities to practice and master an understanding of international world events from World War I to the present day.

## VISUAL AND PERFORMING ARTS

AP Art History is an introductory college-level art history course. Students cultivate their understanding of art history through analyzing works of art and placing them in historical context as they explore concepts like culture and cultural interactions, theories and interpretations of art, the impact of materials, processes, and techniques on art and art making, and understanding purpose and audience in art historical analysis. Students enrolled in AP Art History are required to take the AP Exam in the second semester. Each student must complete the AP Exam. Students are required to complete all summer assignments, which will be collected on the first day of class in the fall. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.

AP Drawing is an introductory college-level drawing course. This is a College equivalent studio course, which expects high quality output, investigation, self-motivation, self-discipline, and the development of work in and outside the classroom. This course has been developed to accommodate the student who has expressed an interest in completing the AP Drawing Portfolio Exam. This course enables students to develop mastery in concepts, composition, and execution of drawing skills. This is a rigorous, college-level experience. Each student must submit the AP Exam Portfolio during the second semester on the day and date set by The College Board. Students are required to complete assignments on time throughout the summer. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.

## 608 S

 AP STUDIO: 2-D DESIGN (HP) (Year)Prerequisites and Required Resources:

Grades 10,12
Laptop or notebook computer or iPad One year of previous successful art study
or
Permission of Art teacher $\$ 120$ per semester fee for materials

AP 2-D Art and Design is an introductory college-level two-dimensional design course. Students refine and apply skills and ideas they develop throughout the course to produce two-dimensional art and design. AP Studio Art is designed for the student who is seriously interested in the practical experience of art or considering a future in the field. AP Studio Drawing is not based on a written exam; instead, it is based on the development of ideas in a sketchbook and the completed Quality, Breadth, and Concentration section ( 24 works total) during the year and the submission of the portfolio for evaluation at the end of the year. This is a College equivalent studio course, which expects high quality output, investigation, self-motivation, self-discipline, and the development of work in and outside the classroom. This course has been developed to accommodate the student who has expressed an interest in completing the AP Drawing Portfolio Exam. This course enables students to develop mastery in concepts, composition, and execution of drawing skills. This is a rigorous, college-level experience. Each student must submit the AP Exam Portfolio during the second semester on the day and date set by The College Board. Students are required to complete assignments on time throughout the summer. Barring compelling reasons, students who do not complete the summer assignments on time will not be permitted to remain enrolled in the course.

Art 1 is a studio course that provides students opportunities to practice and master a variety of creative techniques, visual vocabularies, and media used in drawing, printmaking, basic design and painting. Students study periods of art and techniques developed throughout history, and apply their understanding of those periods and techniques to works of art. Students apply objective criteria to the creation of their own art during class critiques. Student mastery is demonstrated in projects, quizzes, tests, and a student created portfolio.

Prerequisites and Required Resources: Laptop or notebook computer or iPad Successful completion of Art 1 (or Instructor permission) $\$ 60$ fee for supplies and teacher-curated resources

Art 2 is a studio course that provides students opportunities to continue to practice and master a variety of techniques, visual vocabularies and media used in drawing, print-making, basic design and painting. Students study periods of art and techniques developed throughout history, and apply their understanding of those periods and techniques to works of art. Students apply objective criteria to the creation of their own art during class critiques. Student mastery is demonstrated in projects, quizzes, tests, and a student created portfolio.

DANCE PERFORMANCE 1 (P) (Semester)
Grades 9, 10, 11, 12
Prerequisites and Required Resources: Laptop or notebook computer or iPad $\$ 35$ fee for instructor-curated resources
Students must purchase a pair of pink ballet shoes and black dance/jazz/yoga pants and either a black leotard or black tank top.

Dance Performance 1 provides opportunities for students to practice and master aspects of physical movement. Students work to develop aesthetic perception and valuing, creative expression, and an understanding of dance heritage. Students complete assignments, projects, and participate in performances. Students practice artistic expression and explore dance styles and forms through creative development of space, time and energy. Key topics include kinesiology of major muscles, vocabulary, classes in ballet, modern and jazz, social and political influences on dance, and choreography.

DANCE PERFORMANCE 2 (P) (Semester)
Grades 9,10,11, 12
Prerequisites and Required Resources: Laptop or notebook computer or iPad a
Successful completion of one semester of Dance 1
or
Instructor Permission
\$35 fee per semester for instructor-curated resources
Purchase of Textbook
Students must purchase a pair of pink ballet shoes and black dance/jazz/yoga pants and either a black leotard or black tank top.

Dance Performance 2 provides opportunities for dancers to continue to practice and build technical proficiency. Subjects include vocabulary, classes in ballet, modern and jazz, dance history, elements of a theatrical production, and careers in dance. Students will work as a dance "company" to create a full
ensemble dance performance.

Grades 10, 11, 12
Grades 10,11, 12
Laptop or notebook computer or iPad Successful completion of Dance 1 and 2 OR Instructor Permission $\$ 35$ fee per semester for instructor-curated resources

Dance 3 and 4 extend opportunities for students to practice and master dance styles including: jazz, modern, contemporary, self-choreography, ethnic dance forms, as well as intermediate/advanced choreography concepts. Students examine how dance has shaped society, how it has developed throughout time and about some of the greatest dancers of the past and present. Through classroom activities, students practice and master understanding of technique, refine rhythm and timing, beginning to adapt to various dance styles while focusing on performance skills. Along with learning various concepts of dance movement, Dance 3 and 4 students have the opportunity to show their own creative work as choreographers by enlisting Dance 1 and 2 students to showcase the Dance 3 and 4 students' choreography.

Grades 9, 10, 11,12
Prerequisites and Required Resources:
Laptop or notebook computer or iPad
$\$ 35$ fee per semester for instructor-curated resources

This one-semester course provides opportunities for students to practice and master the fundamentals of the art and craft of live performance. Topics include the actor's toolkit, the design process, costume design, theatre history, and dramatic criticism. Students perform scenes, design costumes, attend drama productions, and build skills by participating in a variety of tasks associated with production.

Grades 9, 10, 11,12
Prerequisites and Required Resources:
Laptop or notebook computer or iPad Successful completion of Drama 1 $\$ 35$ fee per semester for instructor-curated resources

Drama 2 builds on the techniques of Drama 1 to expand opportunities for students to explore scene study, Shakespeare, and improvisation. Students study the role of the director as leader of the production process. Students design sets and practice theatrical make-up skills. After attending productions, students are required to perform a production role in a showcase of scenes.

DRAMA 3 (Semester)
DRAMA 4 (Semester)
Prerequisites and Required Resources:

Grades 10, 11,12
Grades 10, 11,12
Laptop or notebook computer or iPad
Successful completion of Drama 2 with $85 \%$ or better
$\$ 35$ fee per semester for instructor-curated resources

The Drama 3 and 4 class is primarily a production class that provides students with hands-on practice to develop their acting, directing, and design, lighting, scenic design, costume, props, and makeup.

Students design, direct, and act for various productions such as The Children's Theater Project (CTP). Students are expected to demonstrate an elevated level of dedication toward the study of theater. Students practice and begin to master assorted acting styles and an understanding of dramatic literature by reading, analyzing, and performing scenes and monologues from classic plays. Students are required to participate in class productions. Students enrolled in this course are required to participate in some after school performances. Students are required to perform in front of a live audience.

DRAWING AND PAINTING 1 ( $\mathbf{P}$ )(Semester)
Grades 9, 10, 11,12
Prerequisites and Required Resources: Laptop or notebook computer or iPad $\$ 50$ Materials Fee

Drawing and Painting 1 is a studio course that provides opportunities for the student to practice and master the basics of drawing media, including graphite, conte, and charcoal, visual vocabulary, and techniques. Students study periods of art, styles, and techniques as they have developed throughout history. Students apply their understanding to analyze and critique works of art. Students will be able to apply objective criteria to the creation of their own art during class critiques and display. Students are evaluated through projects, quizzes, tests, and a semester portfolio.

| Prerequisites and Required Resources: | Laptop or notebook computer or iPad <br> Successful completion of Drawing and Painting 1 |
| :--- | :--- |
|  | or |
|  | $\$ 50$ Materials Fee |

Drawing and Painting 2 is a studio course that provides extended opportunities for the student to practice and master intermediate art techniques including visual vocabulary, media including pastel, watercolor, and acrylic. Students study art periods, styles, and techniques as they have developed throughout history. Students apply their understanding to analyze and respond to works of arts. The students apply objective criteria to the creation of her own art during class critiques and display. Students complete projects, quizzes, tests, and complete a semester portfolio.

627 S
628 S DRAWING AND PAINTING 4 (Semester)

Grades 10, 11,12
Grades 10, 11,12

| Prerequisites and Required Resources: | Laptop or notebook computer or iPad <br> Permission of Instructor |
| :--- | :--- |
|  | $\$ 50$ Materials Fee |

This studio class is designed for highly capable students who would like to continue in the field of 2D Design or Drawing and Painting. Students have opportunities to develop skills and create an Art/Drawing and Painting portfolio. Students work with various techniques and media. The student works of art are the primary methods of skills assessment.

Sculpture I is a studio course which provides opportunities for the student to practice and begin to master a variety of hands on experiences. Students practice sculpture using a variety of three dimensional art media, visual vocabulary, and techniques. The student is introduced to sculptural styles during periods of art as they developed throughout history. Students apply what they learn to analyze and respond to works of arts by master sculptors; to demonstrate techniques of masters in her own sculpture; and to apply objective criteria to the creation of her own art during class critiques. Student mastery is evaluated through projects, quizzes, tests, and a semester portfolio.

SCULPTURE 2 (P) (Semester) Prerequisites and Required Resources:

Grades 9, 10, 11,12
Laptop or notebook computer or iPad Successful completion of Sculpture 1 or permission of instructor \$50 Materials fee

Sculpture 2 is a studio course which provides opportunities for the student to practice and begin to master a variety of hands-on experiences and familiarizes the student with a variety of three dimensional art media, visual vocabulary and techniques. The student studies sculptural styles during periods of art as they developed throughout history. Students apply what they learn by analyzing and responding to works of art by master sculptors; to demonstrate techniques of masters in her own sculpture; and to apply objective criteria to the creation of her own art during class critiques. Students will be evaluated through projects, quizzes, and tests. The student completes a semester portfolio.

DIGITAL PHOTOGRAPHY (P) (Semester) Grades 11, 12
Prerequisites and Required Resources: $\quad$ Laptop or notebook computer or iPad
Introduction to Digital Photography focuses on the history and critical analysis of photography, as well as on the application of practical skills for the digital form, and the development of photographic artistic expression. Students learn about the development of photography and its pioneers, analyze and critique a wide variety of historical and influential photographs. Students learn essential terminology for school-owned DSLR cameras, engage in hands-on exploration of the DSLR, and explore camera technical options that go beyond the limits of phones and tablets. Assignments include theme-based and individual freestyle shooting, photograph concepts, composition, and aesthetics, and learn photo editing skills. Students create a digital portfolio to showcase prints of their work as a part of the school's Fine Arts Day presentation, and will attend guest speaker photography-related career presentations with field trip options.

| WOMEN'S CHORUS $1(\mathbf{P})$ (Semester) | Grades 9,10, 11,12 |
| :--- | :--- |
| WOMEN'S CHORUS $2(\mathbf{P})$ Semester | Grades 9,10,11,12 |

Prerequisites and Required Resources: Laptop or notebook computer or iPad \$50 Materials fee per semester for instructor-curated resources

This music performance group is open to all students who have the desire to sing. Students have opportunities to practice and begin to master vocal techniques. Members of this group perform at school and community functions. Music chosen for this group is selected from sixteenth century madrigals to contemporary pieces. The highlight of the first semester is a Christmas Concert, with a

Choral festival and Spring Concert in the second semester.

Handbell Choir 1 provides the opportunity for students to practice and begin to master how to play handbells. Students practice fundamentals of handbell ringing, music note reading, and fundamentals of music and ensemble playing. Students practice rehearsal procedures and beginning ringing techniques. Knowledge of music is helpful but not required. Student bell ringers learn how to read music. The handbell choir performs at the Christmas Concert.

Grades 9, 10, 11,12
Prerequisites and Required Resources:
Laptop or notebook computer or iPad
$\$ 50$ materials fee per semester for instructor-curated resources

Handbell Choir 2 provides advanced level opportunities for students to practice and master handbell ringing. Students practice rhythm and note reading, advanced music theory, musical development, and ensemble playing. Students practice stress advanced ringing techniques. The handbell choir performs at the spring concert and the Handbell Choir Festival.

> | FILM STUDIES (P) (Semester) | Grades 10, 11, 12 |
| :--- | :--- |
| This course is an ELECTIVE |  |
| Prerequisites and Required Resources: | $\begin{array}{l}\text { Laptop or notebook computer or iPad } \\ \text { Students must purchase textbook }\end{array}$ |

This course introduces students to the basics of film analysis, cinematic formal elements, genre, and narrative structure and helps students develop the skills to recognize, analyze, describe and enjoy film as an art and entertainment form. he class includes weekly readings, screenings, and short writing assignments.

## WORLD LANGUAGES

AP French Language and Culture is equivalent to an intermediate level college course in French. Students cultivate their understanding of French language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges. Students enrolled in this course are required to take the AP examination in the spring semester. Students are required to complete assignments on time throughout the summer. Barring compelling reasons, students who do not complete the summer
assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.

Prerequisites and Required Resources: Laptop or notebook computer or iPad Successful completion of Italian 3/Italian 4 with an $85 \%$ or better

AP Italian Language and Culture is equivalent to an intermediate level college course in Italian. Students cultivate their understanding of Italian language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges. Students enrolled in this course are required to take the AP examination in the spring semester. Students enrolled in this course are required to take the AP examination in the spring semester. Students are required to complete assignments on time throughout the summer. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.

Prerequisites and Required Resources:<br>Laptop or notebook computer or iPad Successful completion of Spanish 2 Honors/ Spanish 3/Spanish 3 Honors/Spanish 4 with an $85 \%$ or better

AP Spanish Language and Culture is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges. Students enrolled in this course are required to take the AP examination in the spring semester. Students enrolled in this course are required to take the AP examination in the spring semester, Students are required to complete assignments on time throughout the summer. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.

$$
\begin{array}{ll}
\text { Prerequisites and Required Resources: } & \begin{array}{l}
\text { Laptop or notebook computer or iPad } \\
\\
\\
\text { Successful completion of Spanish } 2 \text { Honors/ Spanish 3/Spanish } 3 \\
\\
\\
\\
\text { Honors/Spanish 4/ AP Spanish Language with an } 85 \% \text { or better } \\
\text { Student must be a fluent Spanish speaker }
\end{array}
\end{array}
$$

AP Spanish Literature is equivalent to a college level introductory survey course of literature written in Spanish. Students continue to develop their interpretive, interpersonal, and presentational skills in Spanish language as well as critical reading and analytical writing as they explore short stories, novels, plays, essays, and poetry from Spain, Latin America, and U.S. Hispanic authors along with other nonrequired texts. Students enrolled in this course are required to take the AP examination in the Spring semester. Students enrolled in this course are required to take the AP examination in the spring semester. Students are required to complete assignments on time throughout the summer. Barring
compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.

410 S FRENCH 1 (P) Year
Prerequisites and Required Resources:

Grades 9, 10, 11, 12
Laptop or notebook computer or iPad

This course is designed for students with little or no previous exposure to the French language. The goal of the course is to provide students opportunities to begin to build speaking, listening, writing, reading, and cultural proficiency skills $n$ French through oral and written practice.

## 411 S FRENCH 2 (P) Year

Prerequisites and Required Resources:

Grades 9, 10, 11, 12
Laptop or notebook computer or iPad Successful completion of French 1 with $75 \%$ or better

The goal of the course is to provide opportunities for students to continue building fluency on elementary structures, still emphasizing speaking, listening, writing, reading, and cultural proficiency as the goal of instruction. Students expand French vocabulary and oral proficiency.

412 S FRENCH 3 ( $\mathbf{P}$ ) (Year)
Prerequisites and Required Resources: Laptop or notebook computer or iPad
Successful completion of French 2 with a $75 \%$ or better

The course provides students with opportunities to build on the elementary-intermediate structures mastered in French 2. The goal of the course is to provide students with extended opportunities to study more sophisticated structures while still emphasizing the five skills of language proficiency. Successful students demonstrate comprehensive base of intermediateadvanced structures, with a general knowledge of francophone culture.

413 S FRENCH 3 HONORS (HP) (Year)
Grades 10,11
Prerequisites and Required Resources: Laptop or notebook computer or iPad
Successful completion of French 1 and French 2 with $85 \%$ or better
This course is designed for advanced students of French who wish to continue to build fluency in listening, speaking, writing, and reading skills at more accelerated pace than in French 3.

FRENCH 4 (P) (Year)
Prerequisites and Required Resources:

Grade12
Laptop or notebook computer or iPad Successful completion of French 3 with $85 \%$ or better

This course is designed for highly fluent students. It offers students opportunities to engage in a comprehensive overview of grammar with an emphasis on culture, conversation, and presentations through skits, writing, and literary readings. Successful students will already have developed a comprehensive base of the intermediate and advanced structures and be prepared for intense study of grammar, writing and conversation.

Italian 1 is a course designed for those with little or no previous knowledge of Italian. Its purpose is to provide opportunities for students to develop a foundation for basic speaking, reading, writing, listening, and cultural proficiency. The successful student will build mastery of novice-level structures and be prepared for more advanced structures in Italian 2.

ITALIAN 3 ( $\mathbf{P}$ ) (Year)
Prerequisites and Required Resources:

## ITALIAN 3 HONORS

Prerequisites and Required Resources:

Grades 9, 10, 11, 12
Laptop or notebook computer or iPad Successful completion of Italian $175 \%$ or better

This course is a continuation of the study of Italian 1. The goal of the course is to provide opportunities for students to practice and begin to master structure, conversational speaking, listening, writing, and cultural proficiency. Successful students will have a comprehensive base of intermediate and advanced structures, with a general knowledge of Italian culture.

Grades 10, 11, 12
Laptop or notebook computer or iPad
Successful completion of Italian 2 with $75 \%$ or better
Italian 3 is an advanced course building on the skills students mastered in Italian 1 and 2. This course provides opportunities for students to practice and master all verb tenses, build on vocabulary, emphasize speaking pronunciation, and focus on an in-depth cultural appreciation. Italian literature is incorporated for the students as a means to analyze the Italian culture. Successful students will achieve proficiency in the Italian language and culture.

Grades 10, 11, 12
Laptop or notebook computer or iPad Successful completion of Italian 2 with $90 \%$ or better

This course is designed for advanced students of French who wish to continue to build fluency in listening, speaking, writing, and reading skills at more accelerated pace than in Italian 3.

Laptop or notebook computer or iPad Successful completion of Italian 3 with a $85 \%$ or better

This course emphasizes the use of language for active communication. The student will have opportunities to build fluency in spoken Italian in a variety of contexts. Students will continue to build reading fluency and in expressing herself fluently in written and spoken Italian.

Grades 9,10,11,12
Prerequisites and Required Resources:
Laptop or notebook computer or iPad

Spanish 1 is a two-semester course intended for students with limited or no exposure to Spanishlanguage and/or Latin-American culture. The course provides opportunities for students to practice and master basic listening, speaking, reading, and writing skills through the study of the basic elements of the sound system of the language, the basic language patterns and the vocabulary.

Students practice listening and speaking activities; reading and writing activities will be introduced simultaneously. Students also study cultural topics.

Prerequisites and Required Resources:

Grades 9,10,11,12
Laptop or notebook computer or iPad At least two years of successful previous formal Spanish study or
Satisfactory score on the placement exam.
Students must demonstrate the ability to comprehend and produce oral and written Spanish at a high novice level.

Incoming freshmen who wish to apply for admission to this course must take the SJHS Spanish Placement Exam, which includes demonstration of ability in five areas in the target language: grammar and vocabulary, reading comprehension, writing skills, oral/speaking skills, listening comprehension. To qualify for the class, the student must earn a $70 \%$ or better on four of the five target areas oral/speaking skills, reading comprehension, writing skills, and listening comprehension.

This challenging course is designed for students who have previously studied Spanish or for speakers of Spanish who demonstrate an ability to comprehend and produce Spanish, but have little or no formal instruction. The course intends to provide opportunities for student s to practice and improve their existing fluency in Spanish by expanding their knowledge of the language, facilitating more effective communication in reading, writing and speaking abilities and expanding on the cultural experience of the Spanish-speaking community.

SPANISH 2 (P) (Year)
Prerequisites and Required Resources:

Grades 9, 10, 11,12
Laptop or notebook computer or iPad Successful completion of Spanish 1 with $75 \%$ or better

Grade 9: Native speakers who have demonstrated an ability to comprehend and produce Spanish but have little or no formal instruction

Students must take the SJHS Spanish Placement Test, which includes demonstration of ability in five areas in the target language: grammar and vocabulary, reading comprehension, writing skills, oral/speaking skills, listening comprehension.

Students who earn a $70 \%$ or better on all 5 sections of the exam will qualify for this course or (2) non-native or native speakers who have successfully completed a one-year course in Spanish 1.

This course is designed to build on the skills students mastered in Spanish 1. Students have opportunities to practice and continue to build mastery in reading comprehension and grammar. Vocabulary building of everyday items, listening comprehension, and conversation play an important part in the course. During the second semester emphasis is on oral skills.

Laptop or notebook computer or iPad
This course is open to students who are native or non-native speakers who have successfully completed s one-year course in Spanish 1
or
Spanish 1 Honors with a grade of $90 \%$ or better.
For incoming freshmen to be accepted in this class, students must have passed all five sections of the SJHS Spanish Placement Test with A- (90\%) or better. (This placement test which is administered by the World Languages Department includes demonstration of ability in five areas in the target language: grammar and vocabulary, reading comprehension, writing skills, oral/speaking skills, listening comprehension.)

This course is designed for students of Spanish who demonstrate an ability to comprehend and produce Spanish and have had prior formal instruction. This course uses the concepts mastered in Spanish 1 and continues to build in reading, writing, and speaking abilities while further exploration of the cultural experience of the Spanish-speaking community continues.

Grades 10, 11, 12
Laptop or notebook computer or iPad Successful completion of Spanish 2 with $75 \%$ or better.

This course is a two-semester course intended for intermediate students with previous exposure to the Spanish language and Latin American cultures. Students continue to practice listening, speaking, reading, and writing to build fluency. Students study a variety of cultural topics related to readings and supplemental material presented in the lessons. Students review grammar and read a variety of fiction and nonfiction from Latin American/ Hispanic texts in preparation for more advanced Hispanic/Latin American readings and composition. Students practice grammar structure, reading comprehension, listening comprehension, speaking and vocabulary. Students write brief and simple forms of narrative and essay throughout the year.

SPANISH 3 HONORS (HP) (Year)
Prerequisites and Required Resources:
Grades 10, 11, 12
Laptop or notebook computer or iPad
Successful completion of Spanish 2 or Spanish 2 Honors with $90 \%$ or better

This course is designed to provide opportunities for students to practice advanced conversation, writing, and reading skills at an accelerated pace. Texts are comprised of short stories in Spanish from a variety of Spanish-speaking countries; students practice grammar and extemporaneous speaking. During the second semester, students study lectures and films on Spanish culture and tradition as they pertain to the Latin American world. Students write narratives and long paragraphs.

428 S SPANISH 4 (P) (Year)
Prerequisites and Required Resources:

Grades 10, 11, 12
Laptop or notebook computer or iPad Successful completion of Spanish 3 with $85 \%$ or better.

This is a two-semester course intended for highly capable students with previous exposure to the Spanish language and Latin American cultures. Students continue to practice listening, speaking, reading, and
writing through the study of the basic elements of the sound system of the language, the basic language patterns, and the vocabulary. Students complete reading and writing activities. Students study a variety of cultural topics related to readings and other material presented in the lessons. Students review grammar and sample a variety of reading from Latin American/Hispanic readings in preparation for more advanced Hispanic/Latin American readings and composition. Students write brief and simple forms of narrative and essay throughout the year. Students continue to develop and refine grammar and language skills with increased emphasis on literature, discussion, composition, oral presentations, and culture.

## NON-DEPARTMENTAL COURSES

The following courses are graded PASS/FAIL. Five credits are earned for each course, but the course is not calculated in the student's GPA. Only two semesters (a total of ten credits) of these courses can be counted as part of the needed 240 credits for graduation.

Laptop or notebook computer or iPad Permission of Director of College and Career Counseling

This is a hands-on course in which students assist with clerical day-today tasks in the school office student would like to serve..

Teachers do NOT request student assistants. The Department Chair assigns the student as needed to one or more teachers. Application forms for this course are available in the Academic Dean's Office. Teacher Assistants will be responsible for completion of any and all of the activities which have been identified by the department chairperson/teacher

| CURRENT COURSE | CURRENT GRADE <br> (AVERAGE OF BOTH <br> SEMESTERS) | COURSE OPTIONS |
| :---: | :---: | :---: |
| Algebra 1, Part 1 | A, B, C, D | Algebra 1, Part 2 |
| Algebra 1, Part 2 | A, B, C | Geometry |
| Algebra 1, Part 2 | D | Summer School |
| Algebra 1 | A (93\% or above) | Geometry Honors |
| Algebra 1 | A-, B, C | Geometry |
| Algebra 1 | D, F | Summer School |
| Geometry | A (90\% or above) | Algebra 2 Honors |
| Geometry | A, B, C | Algebra 2 |
| Geometry | D, F | Summer School Algebra 2, Part 1 |
| Geometry Honors | A, B (85\% or above) | Algebra 2 Honors |
| Geometry Honors | $\begin{aligned} & \mathrm{B}-, \mathrm{C} \\ & \mathrm{D} \end{aligned}$ | Algebra 2 <br> Summer School |
| Algebra 2 | A (90\% or above) | Pre-Calculus Honors |
| Algebra 2 or | $\begin{aligned} & \mathrm{A}, \mathrm{~B}, \mathrm{C}+(77 \% \text { or } \\ & \text { above }) \\ & \mathrm{C} \\ & \mathrm{D} \end{aligned}$ | Pre-Calculus or Statistics Statistics Summer School |


| Algebra 2 Honors | A, B (85\% or above) | Pre-Calculus Honors |
| :--- | :--- | :--- |
| Algebra 2 Honors | B-, C | Pre-Calculus or <br> Statistics |
| Algebra 2 Honors | D | Summer School |
| Pre-Calculus | A (90\% or above) | Introduction to <br> Calculus, AP <br> Calculus AB, AP <br> Statistics, or <br> Statistics |
| Pre-Calculus | B, C | Introduction to Calculus, <br> Statistics |
| Pre-Calculus Honors | A | Introduction to <br> Calculus, AP <br> Calculus BC |
| Pre-Calculus Honors | A-, B | AP Calculus AB |
| A, B | Introduction to <br> Calculus, AP <br> Calculus AB or AP <br> Statistics |  |
| Introduction to | A (90\% or above) | AP Calculus AB <br> Statistics |
| AP Catistics |  |  |
| AP Calculus BC |  |  |

## SCIENCE MATRICULATION TABLE

| CURRENT COURSE | PREREQUISITES | COURSE OPTIONS |
| :---: | :---: | :---: |
| FRESHMEN |  |  |
| Biology | Algebra 1 (90\% or above) | Honors Chemistry |
|  | Algebra 1 (80\% or above) | General Chemistry |
|  | Algebra $184 \%$ or below | Survey of Physical Science |
| Physical Science or None | Algebra 1(90\% or above) | Honors Chemistry |
|  | Algebra 1 (85\% or above) | General Chemistry |
|  | Algebra 1 (80\% or below) | Survey of Physical Science |
|  | Algebra 1 (75\% above) | General Biology |
| SOPHOMORES |  |  |
| Chemistry | General Chemistry (90\% or above) Honors <br> Chemistry(85\% or above) | Honors Biology |
|  | General Chemistry (80\% or above) Honors Chemistry(70\% or above) General/Honors Chem Below 70\% | General Biology <br> General Biology <br> Summer School |
| Biology | Algebra 1 (90\% or above) | Honors Chemistry |
|  | Algebra 1 (83\% above) | General Chemistry |
|  | Algebra 1 (below 83\%) | Survey of Physical Science |


| Physical Science | A, B, C | General Biology |
| :---: | :---: | :---: |
| JUNIORS/SOPHOMORES |  | Science electives may be taken concurrently |
| Biology AND Chemistry completed | Pre-Calculus and Chemistry with grade of $90 \%$ or better <br> Concurrent enrollment in AP Calculus or AP Statistics | Honors Physics |
|  | Honors Bio $89 \%$ or better AND Honors Chemistry OR General Biology AND General Chemistry $93 \%$ or above | AP Biology <br> AP Chemistry |
|  | Algebra 2 AND Chemistry $89 \%$ or above | Physics |
| Biology AND Chemistry/Physical Science completed | Biology, Chemistry OR <br> Physical Science $85 \%$ or above at least a $85 \%$ in Algebra 2 | AP Environmental Science |
|  | At least 75\% in Biology AND Chemistry | Anatomy \& Physiology |
|  | Biology 75\% or better AND <br> Chemistry/Physical Science 75\% | Marine Biology |

