Program of Studies
2017- 2018

Table of Contents

Mission Statement, Philosophy **3**

Objectives **3**

Academic Requirements **4**

Graduation Requirements **7**

Advanced Placement Courses **8**

Course Offerings

- **English** **9**
- **Fine Arts** **12**
- **Foreign Languages** **15**
- **Mathematics** **19**
- **Physical Education** **21**
- **Sciences** **22**
- **Social Studies** **26**
- **Technology** **28**
- **Theology** **29**

Mission Statement

Educating in a joyful, Catholic community of faith, hope and love, Saint John's Catholic Preparatory School prepares our student to be leaders with good hearts and discerning spirits as they pursue truth, academic excellence and service to humanity.

School Philosophy

Saint John's Catholic Prep enjoys a long tradition of service to its students, its community, and to the kingdom of God. That tradition is rooted in the values established by its Jesuit founder, Father John McElroy, which in turn reflects both the message of Jesus and the way he taught through wisdom, reason, story and personal example.

We believe that our responsibility is to bring knowledge of the past to our students, to engage them in the present, and to prepare them for the future. The purpose of our effort is to create good citizens, sensitive to the needs of others, morally and intellectually responsible for our world and ready to account to God for their lives. To those ends we strive to offer a strong academic program intended to endow our students with the intellectual, spiritual, athletic, and aesthetic qualities needed to maintain the world as God intended at its creation.

Objectives

To recognize the Magisterium of the Church in matters of faith and morals

To provide opportunities for prayer, reflection, and service to others as an expression of one's faith

To maintain a code of conduct that creates an atmosphere of self-discipline and self-direction

To develop within the individual a respect for self and for others in a family environment

To encourage the student to grow as a critical thinker and to foster the fullest development of the individual's academic and personal potential

To encourage students to assume a responsible role in planning their course of study

To guide students as they progress academically to appreciate the relevance of the past as it applies to both present and future experiences

To motivate the student to strive not only for academic excellence but also for personal satisfaction and social fulfillment

To support qualified instructors who, through a variety of techniques and experiences, assist students to reach their maximum potentials.

To provide for each student a core curriculum which is regularly evaluated based upon the needs of the student.

To provide resources which develop skills enabling students to pursue a lifetime of learning

To enhance the academic program by providing extracurricular experiences which foster spiritual, intellectual, physical and social development

Academic Requirements

In order to graduate and receive a Saint John's diploma, a student must pass (65% or better) all required courses and fulfill all academic requirements for graduation. These academic standards shall be consistent with state requirements for granting of a high school diploma. The school reserves the right to impose academic requirements above and beyond those set by the Maryland State Department of Education. The school offers several diplomas: a College Preparatory diploma, a diploma with Honors and a diploma with High Honors. Furthermore, students working towards an Honors or High Honors diploma may focus on one of two tracks.

The credit requirements for these diplomas are as follows:

College Preparatory Diploma

Theology (1 credit for each year of enrollment at Saint John's)	4 credits
English	4 credits
Social Studies (including 1 credit each of Government, U.S. & World)	3 credits
Mathematics (including 1 credit each of Algebra I, Geometry, & Algebra II)	4 credits
Foreign Language (must be continuous unless approved by administration)	3 credits
Science (including 1 credit Biology & 1 credit Chemistry)	3 credits
Physical Education	½ credit
Health	½ credit
Fine Arts	1 credit
Technology	1 credit
Personal Finance	½ credit
Electives	1 ½ credits
Total	**26+ credits**

Diploma with Honors: To be awarded a "Diploma with Honors" a student must have at least 4 of the advanced classes listed below and a GPA of 3.0.

Diploma with High Honors: To be awarded a "Diploma with High Honors" a student must have at least 6 of the advanced classes listed and GPA of 3.5+.

Qualifying Advanced Courses:

- Any Advanced Placement or Dual Enrollment course
- Foreign Language above 3rd level
- Honors Pre-Calculus

College Preparatory Diploma with Honors
Math/Science Track

Theology	4 credits
English	4 credits
Mathematics (including 1 credit each of Algebra I, Geometry, & Algebra II) (plus one math elective course)	4 credits
Science (including 1 credit Biology & 1 credit Chemistry)	4 credits
Social Studies (including 1 credit each of Government, U.S. & World)	3 credits
Foreign Language (must be continuous unless approved by administration)	3 credits
Fine Arts	1 credit
Technology	1 credit
Physical Education	½ credit
Health	½ credit
Personal Finance	½ credit
Electives in Math/Science	1 ½ credits
Other Electives	1+ credit
Total	**28+ credits**

College Preparatory Diploma with Honors
Humanities Track

Theology	4 credits
English (plus one elective course)	4+ credits
Mathematics (including 1 credit each of Algebra I, Geometry, & Algebra II)	4 credits
Science (including 1 credit Biology & 1 credit Chemistry)	3 credits
Social Studies (including 1 credit each of Government, U.S. & World)	4 credits
Foreign Language (must be continuous unless approved by administration)	4 credits
Fine Arts	1 credit
Technology	1 credit
Physical Education	½ credit
Personal Finance	½ credit
Health	½ credit
Electives in English, Theology, Social Studies or For Lang	1½+ credits
Total	**28+ credits**

Graduation Requirements

1. Students will meet all State of Maryland course and attendance requirements necessary for graduation. The State of Maryland sets “Acceptable Attendance” at 94% percent; that means students can miss no more than 10 classes in a semester course or 20 classes in a year-long course.

2. Students will meet all requirements for graduation set forth by the Archdiocese of Baltimore.

3. Students will meet all course and attendance requirements necessary for graduation as set forth by Saint John’s Catholic Prep.

4. Students will not be permitted to take examinations, participate in any graduation activities, or request official transcripts unless their financial obligations to the school have been met (tuition, uniforms, etc.).

5. Seniors must participate in an over-night class retreat.

6. In order to be considered for Class Valedictorian or Salutatorian, a student must be enrolled at Saint John’s Catholic Prep for at least two full years.

7. Participation in graduation activities is a privilege which may be denied to students due to unseemly behavior, discipline record, failure to attend graduation practice, etc.

8. Students must complete approved community service as outlined in the handbook. All students must complete 80 hours of approved community service, with 40 hours completed outside of SJCP.

Advanced Placement Courses

AP classes are taught at a higher level than normal high school classes. Ideally, they are as challenging as many freshman level college classes. For example, AP English Literature is designed to be as challenging as a freshman English class at a typical college.

The AP Exams are scored on a scale from 1 to 5, with a score of 5 being the highest. Each college determines whether or not they will accept AP credit and, if so, what score is needed. The AP exam in May allows students to potentially earn credit the opportunity to take higher level courses in their freshman year and saves money that would be invested in those beginning level courses.

At the end of an AP class offered at Saint John's Catholic Prep, **students must sit for the AP Exam in May.** The fee for each exam is $93; this price is set by the College Board and must be paid by parents. By taking the exam, students have an opportunity to earn college credit for the course. In some instances, at the end of the third quarter, the AP teacher may recommend that struggling students forgo the standardized, College Board test altogether and instead opt for an in-class, AP final exam given during senior exam week.

In order to register in an AP course at Saint John's, a student must have his/her teacher's approval and the department chair's approval.

Enrolling in Courses at Saint John's

The course selections requested by students determine how the master course schedule is developed. Effort will be made to schedule students with their original course requests though some conflicts are unavoidable. Please be sure to list alternate electives on the course selection sheet.

Prior to registration, counselors will meet with each student to discuss their academic requirements and opportunities for the coming year. The student's future college and career goals will be assessed in order to give the student every opportunity to achieve his/her goals.

After completing the course selection sheet, students then submit course requests through Rediker Plus Portals. It should be understood that just because a student requests a course doesn't guarantee that he or she will be placed in that course. Courses often require departmental approval.

In terms of scheduling, the master schedule is developed in May. At the end of the school year, each student receives a tentative schedule for the coming school year. In some cases, students are short credits because they have incorrectly selected courses through Plus Portals or have not requested required courses. Freshmen should have eight credits listed on their schedule; upperclassmen, seven credits.

Because of the real possibility of conflicts or student errors, it may be necessary to meet with or discuss a student's schedule over the phone with a counselor or the principal.

COURSE OFFERINGS

English

Grade	Track 1	Track 2	Track 3
9	English 9	English 9 Honors	N/A
10	English 10	English 10 Honors	N/A
11	English 11	English 11 Honors	AP English Language & Comp
12	English 12		AP English Lit & Comp
			Dual Credit English Comp (101 & 102)

Track 1 – students performing at the standard level (B or less) in previous year's English
Track 2 – students performing at an honors level (A or better) in previous year's English
Track 3 – students enrolled at honors level for at least two previous years

The English curriculum emphasizes the development of skills in close reading, critical and creative thinking, and powerful and fluent writing. Each year, the curriculum is designed to encourage growth in these areas while also challenging students to become independent thinkers and inspiring leaders. A diverse selection of literature promotes emotional and spiritual maturity, and the exposure to frequent and varied writing assignments, coupled with ongoing writing instruction.

Summer reading assignments are part of the required English curriculum and reflect our desire to develop proficient readers and writers. These assignments are submitted on the first day of class.

English 9 (1 credit)
The ninth grade curriculum provides a survey course of Western literature from its earliest beginnings through the Renaissance. The textbook for both grades is *Pearson Literature: The British Tradition*. Freshmen will study masterpieces from the Ancient World, the Middle Ages and the Renaissance; they will discover that their English class runs parallel with their history class. Students will focus on crafting solid sentences, creating coherent paragraphs, developing strong thesis statements, and learning the beginning basics of MLA style citations.

English 9 Honors (1 credit)
Prerequisite: (see Scope & Sequence)
Students who perform in the superior range on the entrance exam and who have demonstrated advanced reading and composition skills in 8th grade English will be selected for this course. Honors students will read more and will be expected to demonstrate a basic mastery of crafting solid sentences, creating coherent paragraphs, developing strong thesis statements, and learning the beginning basics of MLA style citations. An honors-level course requires students' best efforts consistently and emphasizes developing independence of thought and mature habits of critical thinking. Students will be expected to

assume responsibility for deadlines, revising essays, and preparing for class each day. Students must exercise self-discipline when preparing for all assignments.

English 10 (1 credit)
In this survey course, students will read and discuss the development of the American voice from the early colonial periods through the modern era. Students will study classic novels such as *Adventures of Huckleberry Finn, The Great Gatsby,* and *The Catcher in the Rye* while also being exposed to contemporary American writers of diverse backgrounds. Much of this curriculum will line up with what they also learn in their History classes. 10th Grade students will focus on crafting complex sentences, creating well-organized paragraphs, writing complex and well-defined thesis statements, and implementing MLA style citations consistently.

English 10 Honors (1 credit)
Prerequisite: (see Scope & Sequence)
In this survey course, students will read and discuss the development of the American voice from the early colonial periods through the modern era. Students will study classic novels such as *The Scarlet Letter, Adventures of Huckleberry Finn, The Great Gatsby,* and *The Catcher in the Rye* while also being exposed to contemporary American writers of diverse backgrounds. Much of this curriculum will line up with what they also learn in their History classes. 10th Grade students will focus on crafting complex sentences, creating well-organized paragraphs, writing complex and well-defined thesis statements, and implementing MLA style citations consistently. An honors-level course requires students' best efforts consistently and emphasizes developing independence of thought and mature habits of critical thinking. Students will be expected to assume responsibility for deadlines, revising essays, and preparing for class each day. Students must exercise self-discipline when preparing for all assignments.

English 11 (1 credit)
In this survey course, students will read and discuss the development of the American voice from the early colonial periods through the modern era. Students will study classic novels such as *Adventures of Huckleberry Finn, The Great Gatsby,* and *The Catcher in the Rye* while also being exposed to contemporary American writers of diverse backgrounds. Much of this curriculum will line up with what they also learn in their History classes. 11th Grade students will focus on building for depth of writing by crafting complex sentences that express a unique voice, thoughtful paragraphs that convey unique ideas, well-researched evidence, seamless transitions, writing and fully supporting complex and well-defined thesis statements, and implementing MLA style citations consistently (with focus on mastery of the Works Cited page). (This course is in transition. For the 2017-18 school year, students in 10 and 11 will be offered the same content)

English 11 Honors (1 credit)
Prerequisite: (See Scope and Sequence)
In this survey course, students will read and discuss the development of the American voice from the early colonial periods through the modern era. Students will study classic novels such as *The Scarlet Letter, Adventures of Huckleberry Finn, The Great Gatsby,* and *The Catcher in the Rye* while also being exposed to contemporary American writers of diverse backgrounds. Much of this curriculum will line up with what they also learn in their History classes. 11th Grade students will focus on building for depth of writing by crafting complex sentences that express a unique voice, thoughtful paragraphs that convey unique ideas, well-researched evidence, seamless transitions, writing and fully supporting complex and well-defined thesis statements, and implementing MLA style citations consistently (with focus on mastery of the Works Cited page). An honors-level course requires students' best efforts consistently and emphasizes developing independence of thought and mature habits of critical thinking. Students will be

expected to assume responsibility for deadlines, revising essays, and preparing for class each day. Students must exercise self-discipline when preparing for all assignments. (This course is in transition. For the 2017-18 school year, students in 10 and 11 will be offered the same content).

AP English Language and Composition (1 credit)
Prerequisite: Department Approval contingent on requirements of Scope & Sequence
This course is constructed in accordance with the guidelines outlined in the College Board AP English Course Description. Advanced Placement English Language and Composition, a college-level writing course, is designed to develop students' abilities as critical readers and critical writers while preparing them for the AP English Language and Composition exam in May. This class will achieve its goals through the following: analysis of non-fiction literature, rhetorical techniques, and literary devices; development of research, annotated reading, and writing process techniques; and applied grammar and vocabulary.
An AP course requires students' best efforts consistently and emphasizes their developing independence of thought and mature habits of critical thinking. Students will be expected to demonstrate the same behavior and attitude that will be required of them as college students; this means that they will be expected to assume responsibility for deadlines, revising essays, and preparing for class discussions. Students must exercise self-discipline when preparing for all assignments. Authors whose work will be examined include (among many others): Thomas Jefferson, Abraham Lincoln, Dr. Martin Luther King, Jr., Ralph Waldo Emerson, Frederick Douglass, Dr. Seuss, Tim O'Brien, Truman Capote, and Harper Lee.

English 12 (1 credit)
This course is designed to help students understand and analyze World Literature. Through this lens, students explore both societal issues and the contemporary struggles that humanity faces. Each year, the theme of the class rotates to fit the interest of the instructor and students. Previous themes have included Social Consciousness; Race, Assimilation, Cultural Othering, and Literature of Spiritual Crisis. Writing for this course focuses on building for depth of writing by crafting complex sentences that express a unique voice, crafting thoughtful paragraphs that convey unique ideas in a singular voice, well-researched and documented evidence, seamless organization & flow, writing and fully supporting complex and well-defined thesis statements, and implementing MLA style citations consistently across a variety of sources and subjects.

English 12: 101 & 102 FCC/Dual Enrollment (1 semester, ½ credit each)
Prerequisite: All students must pass the Accuplacer test for FCC
This class combines the EN 101 and EN 102 courses offered by Frederick Community and offers both high school credit and college credit. Though taught at SJCP, this class functions as a college class with all the attendant responsibilities on the part of the student. Assignments are graded at the college level. The first semester examines rhetoric and critical thinking and emphasizes the writing and defending of strong theses; the textbook used is *Everything's an Argument* by Andrea Lunsford & John Ruszkiewicz. The second semester focuses on informed critical responses to fiction, poetry and drama; the textbook used is *Approaching Literature* by Peter Schakel & Jack Ridl.

AP English Literature and Composition (1 credit)
Prerequisite: Department Approval contingent on requirements of Scope & Sequence
Recommended seniors in this accelerated course study the various modes of drama (Greek tragedy, comedy, revenge tragedy, Shakespearean, satirical, realistic, and modern) and the various forms and techniques of poetry through readings and discussions of works of literary merit. In addition, to practice analytical and composition skills, students undertake a number of writing projects based on the literature under study and are introduced to Critical Theories. Vocabulary enhancement is offered, as is

individualized instruction in usage and mechanics. Students also complete three outside reading projects based on novels recommended by the College Board. Students enrolled in this course must sit for the AP exam in May.

Creative Writing (1 semester, ½ credit)
This elective class aims to make its students better writers of fiction, poetry, and nonfiction. Writing is about steady discipline, attention to detail, and love of the work. We want to perform skillfully and not mechanically. We wish to improvise when necessary and revel in the words. To achieve all of this, the class will concentrate on skill. By learning the basics, the class with attempt to produce both skillful and talented writing. This means students must first become better readers, which should include all assigned texts as well as outside reading. Within the boundaries of this course, students will respond to poems and stories, write creative pieces based on exercises, prompts, and homework assignments; submit work to be evaluated by their peers; and participate in class discussions.

Public Speaking/Debate (1 semester, ½ credit)
This course for juniors and seniors focuses on the intricacies of public speaking, investigating the differences between impromptu, informative, and persuasive speeches. Students in this course will learn strategies for both writing and delivering speeches. There will be multiple written assignments as well as oral presentations in the form of three types of speeches. The primary text for the course is *A Student Workbook for Public Speaking: Speak from the Heart.* During the second portion of the course, students will research current events and construct arguments for the purposes of class debates.

Publications (1 semester, ½ credit)
This course is designed to help the students achieve proficiency in the art of producing a yearbook. Each student must request admission to the class and acceptance is established by the teacher. Each year, the yearbook is produced online. Skills taught and reinforced include organization, time management, editing, photography, writing, design, attention to detail, delegating, and teamwork.

Intro to Journalism (1 semester, ½ credit)
In this course, students will study the principles and practices of journalism as well as journalism's role in a democratic society. We will explore journalism's impact on public policy and private lives. Techniques, methods, and models guiding the contemporary practice of journalism will be given particular emphasis. We will cover news, feature, and profile writing, cultural commentary, op-ed, and narrative journalism. The fundamental skills of a journalist will be introduced, including research and interviewing, fact-checking and attribution, style and persona.

Fine Arts

Art I (1 semester, ½ credit)
This Freshmen course will focus on the basics of Art through an examination of the Elements of Art and Principles of Design. Each project will focus on at least 2 of the elements and principles and how they work together to create a successful artwork. The class will build a foundation throughout the semester in color, line, value, perspective & composition, leading into Art II. The class will complete projects in various media, including Collage, Watercolor, pen and ink, pastel & pencil.
Students will also be given an introduction to Shape vs. Form, producing at least 1 three-dimensional piece. This will provide a strong foundation for students who wish to enroll in advanced art classes.

All projects will be infused with art history. Students interested in this class MUST submit work for the Fine Arts department to approve for placement.

Art II (1 semester, ½ credit)
This course will continue building on the elements and principles through a variety of two-dimensional projects. Projects will be designed to help develop drawing skills using pencil, colored pencil, marker, pen and ink and charcoal. Projects may include still life studies, landscapes and beginning portraiture. Students will progress into a basic painting unit and color theory. Students will be introduced to painting techniques in both acrylic and watercolor. This course is designed to lead into Art III.All projects will be infused with art history.

Art III (1 semester, ½ credit)
This course will offer advanced lessons in drawing and painting, building off of the skills taught in Art II. The course objectives will concentrate on more advanced subjects and movements such as figure drawing and portraiture. The projects will allow the opportunity to work in charcoal, pen and ink, pencil, colored pencil and marker. Course objectives will also include projects in acrylic and watercolor. Throughout this course, students will be given more creative freedom for medium choice as well as subject matters. We will work on students developing their personal style and artistic voice. This course will serve as a precursor for acceptance into AP Studio Art. All projects will be infused with art history.

AP Art Studio (1 credit)
The AP Studio Art: 2D Design Course is designed for students who are seriously interested in the practical experience of art and wish to develop mastery in the concept, composition, and execution of their ideas. AP Studio Art is not based on a written exam; instead of students submit portfolios for evaluation at the end of the school year. In building the portfolio, students experience a variety of concepts, techniques, art mediums and approaches designed to help them demonstrate their abilities as well as their versatility with specific problem solving and ideation. Students also develop a body of work for the concentration section of the portfolio, which investigates an idea of personal interest to them. Successful completion of this course require students to complete three portions of a portfolio Quality, Concentration and Breadth with a total of 24 images to submit in May.

Graphic Art and Design (1 semester, ½ credit)
This introductory course deals with controlling computer technology to produce an artistic image. Students will learn computer illustration techniques, image manipulation and the principles and elements of art in composition. Students will explore careers in the Graphic Design field. Projects may include logo design, advertisements, digital illustration, typography and photo editing.

Advanced Graphic Art and Design (1 semester, ½ credit)
This class will take a more in-depth look at the art of design through the study of color theory, composition and layout, typography and illustration. Students will be given advanced projects that will be completed in both Illustrator and Photoshop. Students must have completed Intro to Graphic Design as a prerequisite

Introduction to Interior Design and Architecture (1 semester, ½ credit)
Students will gain an understanding of the elements and principles of design. Students will learn to make appropriate selections of colors, fabrics, furnishing, and lighting in regards to interior design. Students will develop skills in architectural drafting and space planning. Students will utilize online website and resources for space planning, floor plans and room design. Projects may include designing sample rooms, floors plans and basic computer-aided design skills.

Band I, II, III and IV (1 credit)
The Saint John's Band is comprised of freshmen through seniors who come from varying backgrounds of musical experience. The group is non-auditioned and all are welcome. Performances include a variety of musical genres spanning pep tunes at athletic events, to spirituals and traditional songs and concert works. Performing skills covered include development of internal pulse and pitch, rhythm and note reading using musical notation, proper vocal technique, and musical expression. Students are expected to perform a number of times throughout the school year, both in school performances and in the community.

Choir (1 semester, ½ credit)
The Saint John's Choir is comprised of freshmen through seniors who come from varying backgrounds of musical experience. The group is non-auditioned and all are welcome. Performances include a variety of musical genres spanning concert works, spirituals, and current music. Performing skills covered include development of internal pulse and pitch, rhythm and note reading using musical notation, proper vocal technique, and musical expression.

Percussion Ensemble (1 semester, ½ credit)
Students will explore a variety of repertoire spanning from concert works for percussion ensemble to arrangements of popular music. Performing skills covered include development of internal pulse, rhythm and note reading using musical notation, proper playing technique on a variety of percussion instruments, and musical expression. Required materials: Remo Practice Pad,Vic Firth American Custom SD1 Drumsticks

Keyboard (1 semester, ½ credit)
Students can explore keyboard technique and musical performance. The class is non-auditioned and all are welcome. The class will be individually tailored to the needs of the group, and will culminate in a public performance of music learned during the course of the semester. Performing skills covered include development of internal pulse and pitch, rhythm and note reading using musical notation, proper vocal technique, and musical expression.

Beginning Guitar (1 semester, ½ credit)
Enjoyment of the instrument and excitement in playing is the goal of this course. Sight reading, learning notes, and timing will be stressed. Projects including performance in guitar will be required. Performance opportunities will be available year round for the students.

Intermediate Guitar (1 semester, ½ credit)
Student must have rudimentary technique of the instrument and be able to sight read notes or tablature. This course develops the technical and interpretative skills of the student which will enable them to proceed to more advanced works of music. These students will have juries and be expected to perform at a Saint John’s school performance.

Advanced Guitar (1 semester, ½ credit)
Blues, rock, Celtic and classical music will be available for the student. Rock band and Swing band have performances throughout the year. Improving technique and learning a large repertoire of music will be stressed. Chordal theory will be studied and used to create music. Sight reading either the notes or tabulation is required. These students will be expected to perform. Juries will be held for a grade in this class.

Advanced Guitar and Repertoire (1 semester, ½ credit)
Similar to Advanced guitar, this course develops the student into a performer by establishing large lists of songs in various styles such as Jazz, Blues, Rock and Classical for the purpose of performance. Discussion and lecture is focused on solos in various styles and specific artists are studied in-depth. Performance both in and out of class is mandatory.

Fundamentals of Dance (1 semester, ½ credit)
Semester-long course open to all classes as a fine arts and/or gym credit. The aim of the course is to foster an appreciation for and proficiency in dancing. Students would explore various types of individual, group, social, and stage dancing including swing, ballroom, square dancing, jazz, modern, etc. Students would learn the basic steps from each genre and classes would be focused on learning technique, choreography, developing a sense of pulse, and the history/context or the dance. At the end of the course it is the hope that students will put together a dance performance for a concert or school production, possibly hosting a swing dance or ballroom dance event.

Digital Photography (1 semester, ½ credit)
This course is designed to help the students achieve proficiency in the art of digital photography. The class is one semester long and begins with teaching photographic composition. The students learn more than 40 techniques and styles of composing a photograph. This knowledge is then put to use as the students are taught how to properly use their cameras and all of its functions. Students are taken around campus on photo assignments and they begin creating photographs. Home photo assignments are also included. The students are taught how to "manage" their pictures on a free program from Google called Picasa. By the end of the class, each student has an in-depth understanding of what makes a "good" photograph and how to take one themselves.

Foreign Languages

Grade	Track 1	Track 2
9	Language I	Language II
10	Language II	Language III
11	Language III/ Cultural Studies	Language IV/ AP Language
12*	Language IV/ AP Language	Cultural Studies
	*Optional	

French I (1 credit)
This year-long course aims to develop the fundamental skills of listening, speaking, and an appreciation of the culture(s) of the people(s) who speak French, along with the skills of reading and writing. Students are immersed in authentic communicative activities. Extensive additional materials are used to enrich and enhance the learning process, including videos, CD's, visuals, games, songs, and Internet activities. Students are exposed to various aspects of the French-speaking world and are active participants in the learning process through paired and group activities.

French II (1 credit)
Prerequisite: Successful completion of French I.
This course will continue to develop the four language skills; building on the foundation acquired in French I. Emphasis is placed on communication skills, focusing on producing and interpreting oral and written communication. Students will be expected to communicate clearly in writing, in an appropriate and accurate manner. Culturally authentic readings and videos are used to increase students' global awareness, enhance students' language capabilities, and serve as a basis for discussion. Role-playing and other communicative activities will enable students to practice the target language in a variety of situations

French III (1 credit)
Prerequisite: Successful completion of French II.
This course refines the competence acquired in previous courses and emphasizes communication in French. Grammatical structures previously learned are reinforced, and more complex structures and expressions are introduced. Intermediate reading texts, simple poetry, short stories, Internet materials, films, and other authentic materials are used to refine the student's' reading ability. Opportunities, such as blogs and podcasts, are provided for students to strengthen their spoken and written abilities.

French: Advanced Placement Program (1 credit)
Prerequisite: Successful completion of French IV Honors and/or recommendation of the department.
Students who enroll in the Advanced Placement Program in French Language should already have a good command of French grammar and vocabulary and have competence in listening, reading, speaking and writing, although these qualifications may be attained in a variety of ways, it is assumed that most students will be in the final stages of their secondary school training, and will have substantial course work in the language. This is an advanced level course with major emphasis upon spoken language, the extension of literary and cultural experiences, and reading for comprehension. It also includes a thorough review of the essentials of French grammar. It requires considerable self-discipline. Students enrolled in this course must sit for the AP exam in May.

Spanish I (1 credit)
This course is intended to introduce students to functional basic Spanish and the culture(s) of the people(s) who speak Spanish. It aims to develop the skills of listening, speaking, reading and writing. The present and preterit tenses are covered.

Spanish II (1 credit)
Prerequisite: Successful completion of Spanish I at SJCP or by demonstrating the skills of Spanish I on a placement test.
This course begins with a review of the highlights of Spanish I. It continues the development of the four language skills with a variety of oral and printed material. The imperfect, future, and progressive tenses are covered.

Spanish III (1 credit)
Prerequisite: Successful completion of Spanish II. In this course, the foreign language skills are further developed and refined. Skills will involve active use of the language in conversation and written practice. All tenses covered in the first two years are reviewed and the imperatives are introduced.

Spanish III Honors (1 credit)
Prerequisite: Completion of Spanish II with a grade of A or B and/or recommendation of the department.
In this course the foreign language skills are further developed and refined. Skills will involve active use of the language in conversation, listening comprehension, reading comprehension and written practice. All tenses covered in the first two years are reviewed and the imperatives are introduced. This course will include the study of the subjunctive and an introduction to literature in the target language and increased instruction in the target language.

Spanish IV Honors (1 credit)
Language and Culture Prerequisite: Successful completion of Spanish III.
This honors level course is designed to address the needs of students who seek an alternative fourth level of Spanish study. The curriculum will include conversational components, lectures, readings, long written assignments and oral presentations in the target language. The course will encompass Spanish history from the Middle Ages through the modern era, and will include historical and cultural elements. It will include a primary text, as well as ancillary materials such as videos, music, periodicals and literature in the target language. In addition, examples of Spanish and Latin American art will be integrated into the curriculum. The course will be designed to cover multiple disciplines while fulfilling the need for foreign language instruction. Students will be expected to read, comprehend and comment on readings in the textbook and ancillary readings from various newspapers, magazines, and literature. Literature will include prose and poetry from the Middle Ages through the modern era, and will include both peninsular and Latin American sources and authors. Students will be expected to take quizzes and tests in the target language, and all writing assignments will also be completed in the target language. Students will give one oral report for each semester period, which will be weighted as a test grade, in addition to tests and quizzes.

Spanish Conversation (1 credit)
Prerequisite: Successful completion of Spanish III and a C or higher on the final exam.
This class is designed to develop effective communication skills, to increase vocabulary, and to teach students to express and justify facts, opinions, ideas, and emotions in Spanish. The teaching focuses on basic language skills needed in common daily situations with emphasis on listening and speaking. Other activities in the class include creative writing on various topics. The class will be conducted in Spanish and will include discussion of current events and a wide variety of cultural and everyday topics. The conversation class, with its emphasis upon spoken language and an extension of literary and cultural experiences is for the more proficient Spanish speakers whose skills exceed the Level 3 class. It requires considerable self-discipline.

Spanish: Advanced Placement Program (1 credit)
Prerequisite: Successful completion of Spanish IV, a B or higher on the final exam, and/or recommendation of the department.
Students who enroll in the Advanced Placement Program in Spanish language should already have a good command of Spanish grammar and vocabulary and have competence in listening, reading, speaking, and writing. The course is intended to be the equivalent of a third year college course in advanced Spanish composition and conversation emphasizing the use of Spanish for active communication. The course objectives are to comprehend formal and informal spoken Spanish, to acquire vocabulary and structure, to allow easy, accurate reading of newspapers, magazines, and literature in Spanish, to compose expository passages, and to express ideas orally with accuracy and fluency. Students enrolled in this course must sit for the AP exam in May.

Latin I (1 credit)
This course is designed for students with little or no background in Latin. Students will gain a foundation in Latin grammar and vocabulary as they increase their competence in listening, speaking, reading, and writing. Likewise, they will develop a deeper understanding of inflected language, grammar, and word formation. Additionally, students will develop a working knowledge of ancient Greco-Roman civilization through studies of its language, history, and culture. As such, students will gain insight into the workings of the modern day world through an acquaintance with the classical civilizations to which we owe much in our laws, literature, language, medicine, and more. Major topics of instruction include: the 1st-3rd declensions; present, imperfect, future, and perfect tenses; the imperative mood; comparison of adjectives and adverbs; the Roman monarchy and early republic; Greco-Roman gods and goddesses

Latin II (1 credit)
Prerequisite: Successful completion of Latin I.
This course is designed for students with a basic understanding of the fundamentals of Latin, equivalent to one year of formal Latin instruction. Students will continue their study of the Latin language and increase their competence in listening, speaking, reading, and writing, while immersing themselves in the study of ancient Greco-Roman civilization. Students will refine their skills of Latin composition and translation and build a stronger Latin vocabulary base through a reading approach. Finally, students will continue to develop their insights into the workings of the modern day world through an acquaintance with the classical civilizations to which we owe much in our laws, literature, language, medicine, and more. Major topics of instruction include: the 4th-5th declensions; the pluperfect and future perfect tenses; the passive voice; participles; the Roman Republic; Greco-Roman heroes and mythology

Latin III (1 credit)
Prerequisite: Successful completion of Latin II.
This course is designed for students with a strong foundation in Latin, equivalent to two years of formal instruction. Students will continue their study of the Latin language and increase their competence in listening, speaking, reading, and writing, while immersing themselves in the study of ancient Greco-Roman civilization. Students will apply their knowledge of Latin to the reading, translation, and literary analysis of complex passages of Latin as well as of authentic Latin texts. Moreover, they will continue to develop their insights into the workings of the modern day world through an acquaintance with the classical civilizations to which we owe much in our laws, literature, language, medicine, and more. Major topics of instruction include: expressing location; the passive periphrastic; gerunds and gerundives; the subjunctive mood; the ablative absolute; literary devices; the late Republic; the Roman Calendar; Roman Army and Legionary Fortress; mythological couples and transformations

AP Latin (Advanced Placement) (1 credit)
Prerequisite: Successful completion of Latin III with a grade of A/B+ and/or recommendation of the department.
The fourth year of Latin focuses on translation and literary analysis of Latin prose and poetry, specifically Caesar's *De Bello Gallico* and Vergil's *Aeneid*, in preparation for the AP Latin Exam - students enrolled in the course must sit for the AP Exam in May. In addition to the AP College Board selections, the course will also incorporate a sight reading element taken from the texts above as well as from other authors including Cicero, Horace, Livy, Ovid, and more. Students will apply their knowledge of Latin to the reading, translation, comprehension, and literary analysis of authentic Latin texts. Students will be able to recognize and comment upon the grammar, syntax, style, and literary techniques employed by specific authors and connect the texts that they read with the people, practices, and events that shaped the ancient Roman world.

Spanish Cultural Studies (1 credit)
This class is designed to explore Spanish culture and civilization from its beginnings to the present, with emphasis on Spain's history, society, politics, architecture, art, literature and film. Students will gain insights in the cultural history of Spain, including the importance of the co-existence of three cultures (Arabic, Christian and Jewish), over 700 years as a shaping factor in Spanish national identity and the essence of Spanish culture.
The course will include a primary text, as well as ancillary materials such as videos, music, periodicals and literature in the target language. In addition, examples of Spanish and Latin American art will be integrated into the curriculum.

French Cultural Studies (1 credit)
This course is designed to give students insight into culture in everyday situations in France and Francophone countries. Students will study France's colonial history, the ongoing relationship between France and its former colonies, and the political, security, and economic and cultural repercussions of such connections. The course will also explore different cultural subjects and themes through literatures, cinema, music, theatre, architecture, culinary art, societal trends and rites in France and the Francophone world.

Japanese Cultural Studies (1 credit)
This course provides students with an introductory survey of Japan through an overview of its language, history, and culture. Students will study the kana system of writing and will learn how to read and write using both hiragana and katakana. Likewise, the course will cover Japanese history from the Sengoku Period through modern times while also incorporating various cultural topics such as basic Japanese expressions, religion and spirituality, literature and the fine arts, recreation, media and entertainment, and more.

Mathematics

Grade	Track 1	Track 2	Track 3
9	Algebra I*	Geometry	Algebra II Honors
10	Geometry	Algebra II Honors	Pre-Calculus Honors
11	Algebra II	Pre-Calculus Honors	AP Calculus AB
12	Pre-Calculus	AP Calculus AB	AP Calculus BC/ AP Stats

***Algebra IA (1 credit)**
Prerequisite: Successful completion of 8th grade math course and departmental approval
This year long course covers the first half of the standard Algebra 1 course. It provides an introduction to the language and applications of algebra, including development of the real number system, operations with integers, rational numbers, variables, mathematical expressions, linear equations, and problem solving.

***Algebra IB (1 credit)**
This course continues the study of Algebra 1. It reviews the previous material and includes solving equations, inequalities, operations with polynomials, factoring, statistics, probability, graphs, and functions.
Prerequisite: Successful completion of Algebra 1A

Algebra I (1 credit)
Prerequisite: Successful completion of 8th grade math and departmental approval.
Algebra 1 is a standard introductory course which includes working with integers, irrational numbers, polynomials, rational expressions, equations, inequalities, systems of linear equations, and some graphing. Translating from an English sentence to an algebraic sentence is emphasized, students are introduced to probability and statistics, and word problems are assigned throughout the year.

Geometry (1 credit)
Prerequisite: Successful completion of Algebra I, or Algebra IA and IB, and department approval.
The objectives of this course include the traditional goals of logical thinking skills, geometric relationships, and the mathematical concepts needed for more advanced mathematics classes. This course also emphasizes skills in problem solving, algebraic connections, and proof. Students will acquire knowledge of basic concepts in geometry, including triangles, polygons, circles, area, and volume.

Algebra II/Algebra II Honors (1 credit)
Prerequisite: Successful completion of Algebra I and Geometry and/or department approval.
The second year of algebra deals with a review of Algebra I topics and also covers the quadratic formula, complex numbers, and logarithms. The class will include the study of polynomial, exponential, rational, and logarithmic functions as well as transformational graphing.

Precalculus/Precalculus Honors (1 credit)
Prerequisite: A grade of A or B in Algebra II and/or department approval

This course will consist of a thorough study of linear, quadratic, polynomial, rational, logarithmic, and exponential functions as well as conic sections and trigonometry including circular functions, radian measure, and the use of trig identities. Emphasis will be on solving and graphing equations, as well as application of concepts. Polar coordinates and vectors will also be explored. The goal of this course is to thoroughly prepare the student for college level mathematics. A graphing calculator will be required.

Topics in Mathematics (1 credit)
Prerequisite: Completion of Algebra II and departmental approval. Cannot be taken after completion of PreCalculus / PreCalculus Honors.
This course begins with an SAT preparation and continues with a review of algebraic operations involving monomials, polynomials, and factoring. An investigation of the properties of real, imaginary, and complex numbers follows. Exponential functions, a review of plane geometry, trigonometry, and probability will also be studied.

Advanced Mathematics: Honors (1 credit)
Prerequisite: Completion of Pre-Calculus/Pre-Calculus Honors and/or department approval.
This course will continue the preparation for college calculus – working with functions, additional emphasis on advanced trigonometry, and an introduction to calculus. A graphic calculator will be required.

Advanced Placement Calculus AB (1 credit)
Prerequisite: A grade of A or B in Pre-Calculus/Pre-Calculus Honors and/or department approval.
This Advanced Placement course teaches the basic concepts of differential and integral calculus and their applications. Also included are transcendental functions. This course will prepare students to take the AP exam. Students enrolled in this course must sit for the AP exam in May.

Advanced Placement Calculus BC (1 credit)
Prerequisite: Successful completion of Calculus AB and department approval**.**
This course reviews basic limits, derivatives and integrals, and then expands on their applications. It covers L'Hôpital's Rule, improper integrals, partial fractions, series, vectors, and parametric and polar functions. Students will be prepared to take the AP exam. Students enrolled in this course must sit for the AP exam in May.

Advanced Placement Statistics (1 credit)
Prerequisite: successful completion of Algebra II Honors and department approval.
The purpose of this Advanced Placement course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. This course will be equivalent to an introductory, non-calculus based, college course in statistics typically required for majors such as social sciences, health sciences, and business. Science, engineering, and mathematics majors usually have to take an upper level calculus-based course in statistics, for which the AP Statistics course is effective preparation. Students enrolled in this course must sit for the AP exam in May.

Data Analysis (1 semester, ½ credit)
Prerequisite: successful completion of Algebra II/Algebra II Honors.
Students will learn to read, understand, and interpret information from graphs, data, and statistical calculations. They will look at real world applications of information presentation and misrepresentation using basic statistics, graphing, and simple probability. This course is an elective only and cannot be used as a math credit.

Introduction to Personal Finances (1 semester, ½ credit)
Prerequisite: successful completion of Algebra II/Algebra II Honors.
This is a required course for all students, taken junior or senior year and is an introduction to personal finances using bank accounts, checking accounts, credit, investments, different types of loans, and a budget. The course will look at managing money and making sound financial decisions.

Physical Education

Physical Education (1/2 credit)
Incoming freshmen will complete the PE and Health credit in the 9th grade.
Physical education is an integral part of a student's total educational program. The physical education curriculum provides a planned sequence of learning experiences in which human movement concentrates on the individual's maximum physical potential and the related social, emotional, and intellectual growth. The Health Education program is an integrated part of the Physical Education course of study.

Health 9 (1/2 credit)
Health Education provides students with an awareness of health standards for living including bodily functions and develops a conscious awareness of contemporary problems which affect general health and well being. Graduation Requirements: Students are required to successfully complete PE/Health 9 for a total of 1 credit. Each semester class is worth half a credit.

Team Sports: (1 semester, ½ credit)
This elective course provides students and athletes with the opportunity to develop skills in a variety of sport activities and to build foundations for a quality lifestyle.

Weight Training (1 semester, ½ credit)
This elective course provides students with the opportunity to improve muscle strength and weight control while gaining an understanding essential to developing a basic weight training program.

10th, 11th & 12th Grade Physical Education: (1 semester, ½ credit)
This elective course provides student with the opportunity to develop skills, including physical development in the areas of strength, flexibility, coordination, endurance, balance, agility, range of motion, and power.

Sciences

Grade	Track 1	Track 2	Track 3
9	Introduction to Physical and Life Science	Biology	Honors Biology
10	Biology	Chemistry	Honors Chemistry
11	Chemistry	Physics	Honors Physics
12	Electives (optional)	Electives (optional)	AP or Electives (optional)

Track 1 – students enrolled in Algebra 1A in 9th grade.
Track 2 – students enrolled in Algebra 1, Geometry, or Algebra 2 in 9th grade.
Track 3 – students enrolled in Geometry or Honors Algebra 2 in 9th grade and exemplary performance in 8th grade math and science.

Introduction to Physical and Life Sciences (1 credit)
The purpose of this course is to introduce students to science concepts across several disciplines and build laboratory skills through the use of the scientific method. A modular and interdisciplinary approach will be taken to highlight the diversity of science as a subject and to inspire the development of individual interest in science topics. Topics for this course may include, but are not limited to, plant and animal sciences, chemistry, food science, physics, geology, space exploration, environmental science, etc. Each topic will include a laboratory or project component as a hands on approach to learning.

Biology/ Biology Honors (1 credit)
This course covers life from the molecular level of the cell through the human organism. In addition to cell biology, topics studied include cellular respiration, genetics and protein synthesis, evolution, and the Kingdoms Plantal and Animalia. Lab work is stressed. Prerequisite: One year of high school science or with administrative permission

Chemistry/ Chemistry Honors (1 credit)
Chemistry is the study of the properties and the behavior of matter. In this course, laboratory experiences are integrated into the material. Topics covered include: atomic structure, interactions between atoms and molecules, chemical quantities, chemical reactions, solution chemistry, and acid-base chemistry. Prerequisite: Algebra I.

Physics (1 credit)
Students study the principles and laws governing the behavior of the inanimate world around us. Knowledge is gained through experimentation, reasoning, and mathematical analysis. The course will cover the concepts and mathematics behind the natural laws which explain the behavior of forces, motion, work, energy, electricity, light, sound, and heat. Development of appropriate lab, computer, and calculating abilities will be an integral part of the course. Recommended for all students anticipating a career in science, engineering, or science related areas. Prerequisite: Pre-Calculus (concurrent).

Advanced Placement Physics I (1 credit)
This course is a 2nd year physics course intended for students with an interest in engineering or science. Strong emphasis is placed on inquiry-based learning and solving a variety of challenging problems. The subject matter is principally classical mechanics; equivalent to a first-semester college physics course. This course can lead to the opportunity to pursue and receive credit for college level work by successfully taking the advanced placement exam in physics at the end of the course. Prerequisite: Physics, Pre-Calculus, departmental approval. Students enrolled in this course must sit for the AP exam in May.

Advanced Placement Physics II (1 credit)
This course is a 2nd year physics course intended for students with an interest in engineering or science. Strong emphasis is placed on inquiry-based learning and solving a variety of challenging problems. The subject matter is principally thermodynamics and kinetic theory, electromagnetism, optics, and modern topics in physics; equivalent to a second-semester college physics course. This course can lead to the opportunity to pursue and receive credit for college level work by successfully taking the advanced placement exam in physics at the end of the course. Prerequisite: Physics, Pre-Calculus, departmental approval. Students enrolled in this course must sit for the AP exam in May.)

Advanced Placement Physics C: Mechanics (1 credit)
This course is a 2nd year calculus-based physics course intended for students with an interest in engineering or science. Strong emphasis is placed on inquiry-based learning and solving a variety of challenging problems. The subject matter is principally classical mechanics; equivalent to a first-semester calculus-based college physics course. This course can lead to the opportunity to pursue and receive credit for college level work by successfully taking the advanced placement exam in physics at the end of the course. Prerequisite: Physics, Calculus, departmental approval. Students enrolled in this course must sit for the AP exam in May.)

Advanced Placement Physics C: Electricity and Magnetism (1 credit)
This course is a 2nd year calculus-based physics course intended for students with an interest in engineering or science. Strong emphasis is placed on inquiry-based learning and solving a variety of

challenging problems. The subject matter is principally electromagnetism; equivalent to a second-semester calculus-based college physics course. This course can lead to the opportunity to pursue and receive credit for college level work by successfully taking the advanced placement exam in physics at the end of the course. Prerequisite: Physics, Calculus, departmental approval. Students enrolled in this course must sit for the AP exam in May.)

Advanced Placement Biology (1 credit)
The AP Biology course is a national program that gives high school students the opportunity to experience a college level course and to take the AP exam for college credit. General course topics include chemistry of life, cell, cellular energetics, heredity and evolution, organisms, populations, and ecology. The course will examine chemical processes essential to life, structure and functions of organisms, causes of adaptations. This course will teach students how to identify relationships and apply concepts rather than simply to memorize facts. The format for AP Biology is lecture and laboratory. Students enrolled in this course must sit for the AP exam in May. Prerequisite: Biology, Chemistry (concurrent), departmental approval. Students enrolled in this course must sit for the AP exam in May.

Advanced Placement Chemistry (1 credit)
AP Chemistry is designed to be the equivalent of the general Chemistry course usually taken during the first year of college. Successful completion of the AP examination at year's end may allow students either to undertake second year Chemistry courses in the freshman year or to fulfill lab science requirements and free time for other courses. General topics include Evidence for the existence of atoms, Chemical bonding, Nuclear Chemistry, Gases and gas laws, Solutions, Reaction types, Stoichiometry, Equilibrium, Reaction Kinetics and Thermodynamics. The course will include both lecture and a laboratory program which will expect the student to think analytically and reduce problems to identifiable, answerable questions. Prerequisites: Chemistry, Pre-Calculus (concurrent), department approval. Students enrolled in this course must sit for the AP exam in May.

Advanced Placement Environmental Science (1 credit)
AP Environmental Science is divided into two parts. The first part examines how nature operates through the creation and recycling of various substances and the interrelationships of various species of plants and animals. The second part of the course is the effect that humans have on their environment. The topics covered include carbon and nitrogen cycles, food chains, sources of pollution and the fate of pollutants in the environment, population and resource management and dynamics, waste management and recycling, water resources and pollution as well as climate change and ozone depletion. The course will have a lab component, and many important topics will be debated in team format. Prerequisites: Biology and Chemistry (concurrent). Students enrolled in the class must sit for the AP exam in May.

Forensic Science (1 semester, ½ credit)
This is a one semester course that is designed to expose students to the field of Forensics Science. Course work may include the following subject materials: crime scene setup and observations, evidence collection and analysis, the use of DNA analysis, fingerprinting, ballistics, blood typing and blood spatter analysis. One semester. Prerequisites: Biology and Chemistry (concurrent)

Nutrition Science (1 semester, ½ credit)
This course is the study of the nutrients in foods and how the body handles each of these nutrients. Mendel defined nutrition science as "the chemistry of life", where the process by which food components are digested, converted and utilized is analyzed and understood chemically for better life management.

Students who apply what they learn about food and its effects on their bodies may develop a healthier lifestyle and an improved future. One semester. Prerequisite: Chemistry (concurrent)

Anatomy and Physiology (1 semester, ½ credit)
This course allows students to explore the human body from inside-out. This course will breakdown various regions of the body on vascular, muscular, and skeletal levels. With this course students will be able to have a better understanding of how the human body functions and travels through daily activities. Prerequisites: Biology

Introduction to Sports Medicine (1 semester, ½ credit) This course is to provide students with an overview of the field of sports medicine. This course will be specifically geared toward those who are interested in sports medicine or another allied health related fields. A variety of teaching methods will be utilized and the coursework will cover basic anatomy, physiology, nutrition, evaluation of injuries and professional preparation. A one semester course opened to 11th and 12th grades Prerequisites: Anatomy and Physiology

Ethnobotany (1 semester {fall only}, ½ credit)
Plants have played a key role in the history of life on Earth and have had medicinal and cultural significance in diverse societies since prehistoric times. Ethnobotany is the study of plants used by a group of people. In medicine, plant components are used in modern drugs or for homeopathic remedies. Plants are also used in traditional practices such as religious rituals and ceremonies. In this course we will introduce students to past and current plant uses across the world to explore their roles in diverse cultures. Prerequisites: Biology and Chemistry (concurrent)

Plant Propagation (1 semester {spring only}, ½ credit)
Plant propagation, or the multiplication of plants, is both a science and an art form. This class will introduce principles, practices, and techniques of propagation of horticultural plants. In lecture, the science of plant propagation is taught by explaining plant physiology, cultural practices, and characteristics of plants. The art of plant propagation will be demonstrated by completing laboratory exercises on seed propagation, cutting propagation, grafting & budding systems, layering, specialized plant structures (bulbs, rhizomes, corms, etc.), and tissue culture for micropropagation. Prerequisite: Biology

Social Studies

Grade	Sample Track 1	Sample Track 2
9th	Modern World History	Modern World History Honors
10th	U.S. History	AP European History
11th	Government	AP U.S. History/ AP Government
12th	AP Economics/ Electives	AP Economics/ Electives

Modern World History (1 credit)
This course surveys a wide range of history beginning with the empires of Africa, feudal Europe and Eurasia during the High Middle Ages through to the Cold War and the global economy. Special emphasis focuses on major cultural traditions, historical forces, and dynamic turning points that have affected the human condition from the emergence of the modern state through the scientific revolution, age of enlightenment and exploration, industrialization and globalization. Modern World History introduces students to the study of original source documents. Students use a textbook as well as source writings and non-written material to begin to develop a direct understanding of the way historians interpret and analyze evidence. Analytical writing assignments begin to develop the skills necessary to complete a well-documented essay by the end of the year.

Modern World History Honors (1 credit)
Honors Modern World History is an enriched and accelerated instructional environment designed to prepare students to take AP history classes. In addition to the period surveyed in other Modern World History sections, the Modern World History honors sections accelerate coverage of material to permit the introduction of historiography. Students participate in more far-ranging discussions that involve a wider selection of readings. Honors-level writing assignments develop the ability to write well-documented essays more frequently. Students use a textbook as well as a collection of source writings and non-written material to begin to develop a direct understanding of the way historians interpret and analyze evidence.

United States History (1 credit)
A survey of United States political, social and economic history from 1850 to the present. Major topics of study include Civil War, Reconstruction, the Second Industrial Revolution, the Gilded Age and Progressive Era, World War I, the Great Depression and the New Deal, World War II, the Cold War, the Civil Rights Movement and the War on Terror. Special attention is given to the skills of critical analysis of primary source material, contextualizing complex historical events, and synthesizing findings into a variety of projects and outcomes.

United States History Honors (1 credit)
A survey of United States political, social and economic history from 1850 to the present. Major topics of study include Civil War, Reconstruction, the Second Industrial Revolution, the Gilded Age and Progressive Era, World War I, the Great Depression and the New Deal, World War II, the Cold War, the Civil Rights Movement and the War on Terror. Special attention is given to the skills of critical analysis of primary source material, contextualizing complex historical events, and synthesizing findings into a variety

of projects and outcomes. The honors section of this course includes advanced analysis of primary source material, historiography, research methods and historical synthesis.

Government (1 credit)
American Government is a senior course that will conduct an in-depth analysis on the overall structure of American government from its inception in 1781 to present day. The course will focus on the three main bodies of government as well as critique the rolls and checks and balances that each possess. The Question as to whether America remains a true Popular Will democracy will be answered and students will engage in numerous exercises to examine the validity of this democracy. Has America truly benefited from the roles that democracy has set forth, or, as the quote explains, has it only created a government of achievements that has been less than appealing?

Advanced Placement United States History (1 credit)
Prerequisite: Must be junior or higher. Departmental approval.
This course is a survey of the history of the United States from 1492 to the present, focusing on the significant political, social, religious, and economic trends in American history and the relationships of continuity and change, periodization, comparison and contrast. Special attention is given to utilizing historical thinking skills and composing high-quality historical synthesis in preparation for the AP Exam in May.

Advanced Placement European History (1 credit)
Prerequisite: Departmental approval.
AP European History focuses on major themes in European history from the Renaissance to the present. In addition to overviews of factual information, special attention is given to the political, social religious, artistic, and economic trends throughout this time period. Students are expected to recall and identify these events while also noting how these trends and narratives developed through history and continue to define modern-day society. Students will also be introduced to the concept of historiography and be exposed to how present-day event can shape the interpretation of the past.

Advanced Placement Government (1 credit)
Prerequisite: Must be junior or higher. Departmental approval.
AP Government is a college level introductory course on United States Government and Politics. This course will focus on the Constitution; political beliefs and behaviors; political parties, interest groups, and mass media; the Congress, presidency, bureaucracy, and the federal courts; public policy; and civil rights and liberties. Course material will be taught through a variety of means including: lecture and note taking, class discussion, intensive reading, group and individual projects, and current events.

Advanced Placement Economics (1 credit)
Intensive in both reading and logical thinking skills, this course is not recommended for students who are not strong in these areas. AP Economics is a combination of two AP courses: AP Macroeconomics and AP Microeconomics. The AP course in macroeconomics gives students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. The AP course in microeconomics gives students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. Major concepts include marginal analysis,

supply and demand, theory of consumer choice, production and costs, firm behavior, and market structure. Students take both the AP Macroeconomics and the AP Microeconomics exams at the end of the year.

Civil War (1 semester, ½ credit)
This course is comprehensive study of one of the most defining moments in United States history, The American Civil War. Students will gain an appreciation of all sides of the war and an in-depth understanding of the events that shaped the ever changing American landscape. The course is designed to help the students achieve academic excellence in reading and critically analyzing primary source documents in order to gain a full appreciation of the depth of the Civil War. Students will be required to write three major essays throughout the course of the year. Students will be trained to define key events and figures. They will explain concepts and ideas individually and within a group or panel. They will be required to categorize information provided by primary sources and to evaluate the war and its affect socially, politically, economically, diplomatically, artistically, religiously and scientifically on America.

Introduction to Psychology (1 semester, ½ credit)
Intro course introducing modern psychology by presenting scientific and humanistic interpretations of the human mind and behavior. Topics to be covered are: biological and environmental bases of behavior, motivation, sensation and perception, learning, personality and social influences.

World War II (1 semester, ½ credit)
A worldwide study of the Second World War. Specific areas of examination will be: World War I, the Rise of Totalitarianism, the European Theater, the Pacific Theater, the American Home Front, the Holocaust and other War Crimes, the Atomic Bombs, and the Nuremberg and Tokyo Trials. This class will also pay special attention to the construction of popular memories surrounding the war through an examination of World War II memorials and cinema. Guest speakers could include Holocaust survivors, weapons experts and war veterans.

Modern American History: Cold War to Watergate (1 semester, ½ credit)
A semester-long course that surveys the major political, social and artistic events of the United States, from the late 1940s to the mid-1970s. Topics that receive extra attention include the atomic bomb, McCarthyism, suburbanization, Brown v. Board of Ed. and the modern Civil Rights movement. This section will also pay attention to social movements such as rock n' roll music, communism and beat poetry. The 1960s portion addresses the issues surrounding the Civil Rights movement, the Vietnam War and subsequent civil rights movements from women, Native Americans, Latinos, prisoners and peace activists. The 1970s on the whole will inform students about the importance of the de-escalation of forces in Vietnam, the spillover war in Cambodia and the Watergate scandal. This course also emphasizes the influence of these events on the present day.

Technology

Intro to Technology (½ credit, 1 semester)
Required for all students
This course provides an overview of microcomputer applications including a brief introduction to computer concepts, Microsoft Windows 10, Microsoft Office 2016, Microsoft Word 2016 Microsoft Excel 2016, Microsoft Access 2016, Microsoft PowerPoint 2016, and Microsoft Outlook 2016.

Intro to HTML (½ credit, 1 semester)
This is an introductory course to creating Web pages. The objectives of this course are to teach the fundamentals of developing Web pages using HTML, to encourage independent study and help those who are learning how to create Web pages in a distance education environment.

Video Production (½ credit, 1 semester)
In video production class students will learn the process of editing video with Windows Movie Maker. While learning to do video editing, the students will be exposed to the terminology associated with video editing and the importance of teamwork. Students will learn how to map their productions, while learning the importance of clarity in the video production process. In video production class, projects will vary from broadcasting assignments to short films. The projects will always adhere to copyright laws and standards.

Game Design (½ credit, 1 semester)
This course will provide a step-by-step introduction to programming games using software provided by MIT. Whether you are a video game enthusiast, an artist breaking into the world of video games, or a game programmer ready to model your own characters and sets, this is an ideal introduction to 3D modeling for video games.

Intro to 3D Printing (½ credit, 1 semester)
This course introduces the concepts and practices of crafting objects in a digital format for 3D printing. Students will experience the design process and become familiar with the advantages and limitations of 3D printing technology in terms of precision, resolution, and material capabilities. Students will analyze real industry cases, and apply 3D printing technology appropriately while gaining hands-on experience with 3D printing technologies.

Theology

Theology (def.): The study of God; his nature, his works,
his relation to humans, his plans for our salvation.

Grade	Sample Track 1	Sample Track 2
9	Theology I	Theology I
10	Theology II	Theology II
11	Social Justice/ World Religions	Morality/ Life Paths
12	Morality/ Church History	Social Justice/ World Religions

Theology I (1 credit)
This is a required course for freshman.The goal for freshmen in Theology I is to describe the setting and content of the Hebrew Scriptures (Old Testament) and then to explain their meaning. Students will comprehend two levels of meaning: first, what the inspired authors intended to convey to the people of their time, and second, what the Scriptures mean for us today, with emphasis on moral behavior and the fruits of violence. The second part of the course, prayer and liturgy, focuses on people's relationships with God today. The theme of the entire course is "The living God gathers a people to himself."

Theology II (1 credit)
This is a required course for all 10th graders. This course provides sophomores a scholarly introduction to the Christian Scriptures (New Testament). The life, message, and significance of Jesus the Christ are explored through a critical reading of the four Gospels, the Acts of the Apostles, the Epistles, and Revelation. Specific areas of study include: sin and redemption, Jesus as Son of God, Son of Mary; the teachings and miracles of Jesus; discipleship; the Last Supper and the Eucharist; the Passion, Death, and Resurrection; Pentecost and the mission of the Church, Christian leadership, and the moral and spiritual values of the early Church. Extended reading from the Christian Scriptures is foundational to this course.

Morality (1 semester, ½ credit)
This one semester course, required for juniors, pursues the challenges of Jesus' life and teaching as presented in the Gospels. Also considered are the moral revelations in the Hebrew Scriptures, natural law, the development of conscience, the requirements of freedom, the quality of one's intentions, the prevalence of law and custom in both Church and society, the nature of values, the process of making moral decisions, the definition of sin, and the necessity of forgiveness as practiced and preached by Jesus. Students are expected to have daily, in-class access to their Bible.

Social Justice (1 semester, ½ credit)
This one semester required course, required for seniors moves into the study of Catholic Social Teaching as it relates to fundamental issues of human rights and social justice. Emphasis is on a Christian response to global problems of war and peace, wealth and poverty, plenty and hunger, resources and work, population and urban life, escalating violence, and environmental stewardship. Students are expected to have daily access to a Catholic Bible.

Theology IV: World Religions (1 semester, ½ credit)
This one semester course for seniors is a survey, analysis, and comparative study of the major World Religions. Objective is to enable students to distinguish one religion from another and to identify common beliefs between other faiths and Christianity.

Life Paths (1 semester, ½ credit)
In this one-semester course, students begin with an assessment of personal, cultural, and Church beliefs about the three states of life, at least two of which everyone experiences. Biblical guidance in Genesis, Proverbs and the letters of Paul opens our exploration of wise ways to discern and pursue one's path in life. Successful—and less successful—examples of choosing and living out one's vocation from Isaac and Rebekah to Karol Wojtyla to Kevin and Brittany will be considered. Topics include assessing personal knowledge/attitudes/inclinations, discernment processes, God's call to each person, finding a mate—what to look for, what to avoid, four loves, five love languages, stages of relationship, and more. The curriculum includes presentations by guest speakers in each walk of life, discussion in class, reference to Scripture and related information, evaluations, and reflection papers. Students must have both parental permission and departmental approval before enrolling in the course.

Church History (1 semester, ½ credit)
This one semester course for juniors follows the growth and development of the Catholic faith from the death of the Apostle Paul to the present age. Six models of the Church (Body of Christ, Herald of Good News, Institution, etc.) provide a framework to understand the various circumstances and events faced by the Church through its 20 centuries of existence. Other Christian traditions are considered in their

historical context. Using the models of the Church, students determine how the Church has responded to challenges in the past, then draw lessons applicable to the challenges of today. The course attempts to detect the role of the Holy Spirit working through ordinary people, clergy, and designated leaders to grow and shape the Church and to inspire and guide its work in the world.