High School Course Catalog 2019-2020

Updated 1/28/19
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Graduation Requirements

St. Joseph's Catholic School (SJCS) is fully accredited by AdvancEd (formerly the Southern Association of Schools and Colleges), and is a member of the South Carolina Independent School Association (SCISA).

To receive an SJCS diploma, a student entering as a freshman must take and complete twenty-five and ½ (25.5) credits which include:

(Classes of 2020-2021) (Beginning Class of 2022)
Theology 4.0 Theology 4.0
English 4.0 English 4.0
Mathematics 4.0 Mathematics 4.0
Science 3.0 Science 3.0
History 3.5 History 4.0
World Language 3.0 World Language 3.0
Physical Education 1.0 Physical Education 1.0
Computer 0.5 Computer 0.5
Fine Arts 1.0 Fine Arts 1.0
Electives 1.5 Electives 1.0

TOTAL: 25.5 TOTAL: 25.5

Seniors will not be allowed to schedule more than one study hall per semester without meeting strict strength of schedule requirements. St. Joseph’s recommends that students take a full slate of academic classes every year to take full advantage of our college preparatory curriculum. Colleges and universities often consider strength of schedule as an important indicator of student success and motivation.

1 Math credits must come from the list of courses that satisfy the requirements identified in this catalog. Most colleges require students to take a Math course every year in high school.

2 Some colleges and universities now require 4 years of Lab Sciences. Check with your college counselor before making final selections.

3 Beginning with the class of 2022, students are required to take 4.0 credits in History, including a half-credit each in Government and Economics. The History Department’s curriculum already reflects this course of study. For the academic year beginning in the fall of 2019, Modern European History will return to a two-semester, full credit class.

4 Many colleges and universities now require three years of the same World Language. SJCS encourages students to stay in the same World Language.

5 P.E. credit may be earned by taking an SJCS PE class or participating in an SJCS team sport. Each season played at either the JV or Varsity level while in grades 9-12 earns .5 credits. If requirement is not fulfilled by sports by end of 1st semester senior year, students will be placed in a P.E. class.

6 Credits earned beyond the minimum requirements listed in each subject area will fulfill the Electives requirement. Additional courses in all subjects can be considered Electives.
College Counseling

College Board School Code: 410902

SJCS offers a full service College Counseling Office that is available to help students with course scheduling, college selection, college applications, standardized testing, and transcripts. Students and parents are introduced to the services provided by the College Counseling Office as freshmen with formal and individualized services beginning in the second semester of the junior year. Upperclassmen should see the counselor on a regular basis as they begin to make their college selections.

Grading and Promotion Requirements

SJCS uses a numerical system ranging from 0-100 that is reflective of our college preparatory curriculum. Each course is graded on the 100-point scale, with the grades from all courses averaged together at the end of each academic year to calculate the Cumulative Weighted Average (CWA). Advanced courses are weighted with an additional 3 points for courses at the Honors level and 7 points for Advanced Placement courses. The weighted scores are ONLY used in calculating the CWA and are not reflected in individual course grades. SJCS employs the Uniform Grading System required by South Carolina for all in-state scholarships, including Palmetto Fellows, Life Scholarships, and Hope Scholarships.

St. Joseph’s Catholic School is a college preparatory school. As such, one of our primary academic goals is to ensure students are prepared for college-level work. Our students demonstrate that readiness by achieving a mastery score of 70 or better in all classes required for graduation. Any student with a score between 60 and 69 in a class required for graduation is expected to complete a St. Joseph's program of subject-specific remediation as determined by individual departments. The original average earned in the class will still be recorded on the transcript. For freshmen, sophomores and juniors, remediation must be completed in order for students to progress to the subsequent grade level. For seniors, remediation must be completed in order for students to receive a diploma from St. Joseph’s Catholic School. Students who earn 59 or below in a course required for graduation must retake the course either through an approved summer school program or at St. Joseph’s Catholic School the following year. Courses retaken through an approved summer program will show on the transcript, but are not calculated into the CWA.

A quarterly average of 90 or above in each class is required for placement on the High Honor Roll, and an 85 or above is required for the Honor Roll.

NOTE: Pass/Fail grades and grades earned in high school courses during the middle school years are not included in the Cumulative Weighted Average (CWA).

Dual Department Courses

For some courses, credit can be earned in different departments, e.g. Modern Dance can be counted for either PE or Fine Arts credit. It is the student’s responsibility to inform the Registrar which school requirement one of these courses is intended to satisfy.

Course Scheduling Conferences

All current sophomores and juniors are required to have a course scheduling conference with a College Counselor before submitting their schedules. All current freshmen are offered optional course scheduling conferences with the Dean of Student Support. Any current freshman or eighth grade student requesting an appeal into a higher-level course is required to meet with the Dean of Student Support.
Add/Drop a Class

When a student chooses his/her courses, the student is making a commitment to that proposed schedule; thus careful consideration of course offerings is vital. Therefore, once students have completed their schedule requests and their schedules have been approved by both the parents and the school, generally schedule changes are not made. In extreme cases, class schedule changes for legitimate reasons must be made during the designated Add/Drop Period at the beginning of each semester. Students seeking a schedule change should do so with the help of the College Counseling Office and the instructor of the class. Please Note: full-year courses cannot be modified during second semester, and switching between sections of the same course is not permitted.

Withdrawal Policy

High School students who wish to make changes to their schedule after classes have begun should do so during Add/Drop period. Parents are required to sign the Add/Drop form that is available through the school Registrar. Students wishing to withdraw from a course after the Add/Drop period must do so by the day after mid-quarter grades are released during the first quarter of the school year. In all cases, Withdrawals are noted on the transcript, with a Withdrawal Pass or Withdrawal being determined by the student’s grade at the time of the Withdrawal. No credit will be given for a Withdrawal Pass or a Withdrawal. Please note that a request to change levels in a course, e.g. from Honors to CP, is considered a Withdrawal. Student schedules must observe all school policies before a Withdrawal will be considered. Seniors must see their College Counselors before the Withdrawal will be approved. Students who appealed into a higher-level course cannot withdraw after the Add/Drop period.

Course Placement Appeal Request

Teacher recommendations and objective criteria determine which courses students are placed into each year. The course recommendation process is thorough and collaborative. Students may petition to overturn a teacher’s recommendation for course placement, in which case they must schedule a meeting with a member of the College Counseling staff or Dean of Student Support, depending on the grade level, to discuss enrollment in a higher-level course for which the student was not recommended. Students seeking recommendations into Honors or AP courses must perform exceptionally well in the subject (or prerequisite subjects); they must demonstrate a strong work ethic and other related habits of mind; and they must show a passion for the subject. The High School Director will make the final decision as to whether or not a student may overturn a teacher’s recommendation. If you are seeking admittance into a higher level course against teacher recommendation, be aware that the class will move at a brisk pace and that significant additional work on your part may be necessary to ensure your success. Please note: Course Placement Appeal Requests are not a guarantee for admittance into a course. All courses are subject to class size and scheduling conflicts. The Appeal Process follows:

- Obtain a Course Placement Appeal Request form from the Registrar
- Appeal forms must be submitted with a student’s course scheduling packet. Appeal forms received after the submission date for course scheduling packets will not be considered.
- All current sophomore and junior appeals are first reviewed by/with a College Counselor. All current eighth grade and freshman appeals are first reviewed by/with the Dean of Student Support. The High School Director will make a final decision based on input from the aforementioned departments, as well as course instructors and department heads.
Once classes begin, students who appealed for entry into a higher level course may request a schedule change during the Add/Drop period if they feel misplaced in the Honors or AP course. However, such a change may not be possible due to scheduling conflicts. Taking two core classes in the same subject area automatically requires an appeal. **Once the Add/Drop period has passed, students who were granted an appeal cannot withdraw from that course for any reason.**

**Please Note:** Taking two core classes in the same subject area automatically requires an appeal.

**Auditing a Class**

St. Joseph’s does not permit students to audit classes.

**High School Credit for Eighth Grade Courses**

Credits for high school courses taken during middle school are **only** awarded in the subject areas of math and world language. In regards to these courses, students must meet the following requirements to be placed in the next level and receive credit in the related discipline. While credit will be awarded for these classes and appear on the high school transcript, the grade will not factor into the student’s high school CWA.

**Course Placement for Incoming High School Students**

Current SJCS 8th graders –
- Earn a 77 or higher in a high school level course at St. Joseph’s in Math (Algebra I or Geometry) or World Language (French I or Spanish I)
- A placement exam is not required unless a student has below a 77 in the high school level course, in which case he/she may elect to take the placement exam (in May) in hopes of receiving the credit

All other rising 9th graders –
- Must take the placement exams in order to ensure accurate placement in Math and World Language classes and to receive the appropriate high school credit in the related discipline

Rising sophomores, juniors and seniors –
- Must take placement exams in World Language classes to ensure accurate placement

The results of the SJCS placement exam cannot be overturned.

If a student takes the World Language placement test and places in a level beyond the first year and they have not actually taken the class, then either they can begin at the higher level with no credit issued for earlier levels or they can opt to start at the lower level.

SJCS students in Algebra I A will have the option of taking a placement test at the end of the year. If they pass the test they will receive high school credit and a “P” on their transcript for Algebra I. SJCS students in Algebra I B who pass the course will receive a grade and high school credit on their transcript for Algebra I. For both classes, no grade will be calculated into the CWA.

**Minimester**

All students are expected to participate in minimester. Middle School students attend grade-level field trips while High School students sign up for a faculty-led minimester offering. While not graded, students do receive academic credit for minimester, and these are counted in each student’s earned credits.
Courses Offered Outside St. Joseph’s

There will be no credit issued for courses taken outside of SJCS with the exception of courses that are retaken through an approved summer program as a result of a failed grade (59 or below). As such, they do not appear on the transcript and should be considered the equivalent of an outside-the-school extracurricular activity. All courses necessary for graduation from SJCS must be taken at the high school. **Students are not permitted to alter their course requirements within St. Joseph’s in order to take coursework outside the school.** Students wishing to enroll in the Fine Arts Center during their senior year may be granted a schedule modification at the discretion of the High School Director in conjunction with the College Counseling office, but all graduation requirements remain in place. Other policies regarding coursework and graduation requirements also remain in effect.

Summer School for Failed Courses

Students who have received a 59 or below in an academic course may repeat this class in a pre-approved summer school program, or may repeat the class at SJCS the following school year. The Dean of Student Support must approve a summer school program in advance. Credit for approved summer school courses will be accepted by St. Joseph’s and the grade will appear on the transcript, but **the grade will not be factored into the high school student’s CWA.** The original grade earned in the St. Joseph’s course will remain on the transcript and be factored into the CWA. Any theology course in which a student receives a 59 or below must be made up at St. Joseph’s Catholic School. Information on summer school is available from the Dean of Student Support.

Advanced Placement (AP) Courses and Exams

Any SJCS student enrolled in an AP course is required to take the AP exam given in May. Depending upon space and availability, students who did not enroll in an AP course may be permitted to take the AP exam depending on teacher recommendation as well as the reason the student was not in the AP class. Non-AP enrolled students, if they are permitted to take the exam, will do so under the homeschool code. The cost of this exam will be billed to the student’s account in March and is payable by March 31.
NOTE: Though a course may be listed in the catalog, credit requirements, student interest, and instructor availability are the determining factors in whether or not a course will be scheduled in a given academic year.

It is recommended that SJCS families look at the High School portion of the 7-year course of study (available under the Academics Tab on the school website) to see possible course sequences and elective options.

THEOLOGY DEPARTMENT

Note: All students take Theology 101, 102, and 103 during their freshman, sophomore, and junior years respectively. For the senior year, students may take Theology 104, 114, or 115 (all of which are 1-credit classes), OR the combination of 108 and 110 (½ credit classes) as offered by the school. Students that take the ½ credit classes MUST take two their senior year to complete the Theology graduation requirement of 4 full credits.

REQUIRED COURSES

101 - Fundamentals of Christianity: Who is Jesus? Grade 9 1 Credit
Prerequisite: None
The freshman theology course offers students a fundamental knowledge of Christianity. Set in the context of the Old Testament revelation of God, this course seeks to bring out the purpose of the coming of Christ so the students will recognize that He is the authentic answer to the fundamental questions and needs which are inside every human being.

102 - Theology of the Church Grade 10 1 Credit
Prerequisite: None
The sophomore theology course begins where the 9th grade course ends, with an examination of the Church as an outgrowth of Christ’s mission and work. The aim of this course is to answer the questions: What is the church? Why does it matter to me? This is a course in ecclesiology rather than a history of the Church - although students will become familiar with the significant persons, issues, and events of Church history.

103 - Sacraments and Morality Grade 11 1 Credit
Prerequisite: None
God’s norms for our moral conduct and religious practice are presented within the context of the Ten Commandments and sacraments. The Catechism – emphasizing the purpose of the magisterium – augments the student text. Real-life struggles to live Christian morality are discussed and practical helps are offered. The place and structure of marriage and the family are vigorously defended as central to a society’s mores. Current news items provide additional fodder for class discussion.
**ADDITIONAL COURSES THAT MEET REQUIREMENTS**

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<th>Credits</th>
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<td>104</td>
<td>Apologetics</td>
<td>Grade 12</td>
<td>1 Credit</td>
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<td>Prerequisites: None</td>
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<td>A “defense of the faith,” apologetics leads students through a critical review of Christian doctrine. Because faith is belief, apologetics often seeks not so much to prove belief, but to refute objections to belief. This is done through the context of creed (what we believe), code (how we live), and cult (how we worship). The course includes a comparison with other religions, a detailed exploration of the Apostles’ Creed, and an examination of the “sad divisions in Christianity” and what can be done together in Christ.</td>
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114 – Honors Apologetics Grade 12 1 Credit

**Prerequisites:** 95 average in previous Theology course and teacher recommendation

The goal of this course is to give students the necessary tools to defend their Faith in a world that is often hostile to it. The first semester we will focus on the “larger” religious questions such as; “What proof is there for the existence of God?” and “Isn’t it intolerant to believe that Christ is the only way to Heaven?” In the second semester, we will focus on issues more specific to Christianity, like; “Why do Catholics pray to saints?” and “How can the Church believe that the pope is infallible”? Periodically, we will engage in in-class debates, where students will be asked to “think on their toes” and to give a “reason for the hope that is in them” (1 Peter 3:15). Throughout the year, we will be looking at current events, for apologetics is nothing if it is not “current”. The goal of this course is not only to enable the students to argue their faith more effectively, but also for them to realize that their faith is worth the argument. Along with reading the assigned texts, students will be asked to complete written as well as oral assignments in order to demonstrate they can cogently express the faith to fair-minded skeptics.

115 - Honors Faith and Reason Grade 12 1 Credit

**Prerequisites:** 95 average in previous Theology course and a teacher recommendation

The course will focus heavily on Papal writings, particularly from Popes Benedict XVI and John Paul II. There will also be an extensive investigation of the natural law, with special emphasis on the thought of St. Thomas Aquinas. Summer reading is required with a 3-page paper due during the first week of the course.

The following courses are one semester in length (½ credit). Students MUST earn a full credit in Theology during their senior year.

108 – Theology of the Body Grades 11/12 ½ Credit

**Prerequisite:** None

Is there a connection between sexuality and the search for meaning in our lives? Following Pope John Paul II’s theology of the body, the study of God as revealed through our bodies, this course is designed to help the students understand the meaning of their bodies, the significance of their sexuality, the purpose of their lives, and how they were uniquely created for greatness. The course will end with the students planning and implementing a retreat day for the sophomores on the theme of “Dating and Relating.” Open to juniors as an elective.

110 - Biblical Studies Grade 11/12 ½ Credit

**Prerequisite:** None

This one-semester course examines the origins, development, and interpretation of the Biblical texts. Students will examine a number of interpretive and hermeneutical approaches to Scripture. Special emphasis will be given to the historical significance of the first five books of the Bible, Wisdom literature, the Gospels, and the life and works of Paul. Open to juniors as an elective.
MATHEMATICS DEPARTMENT

Note: Since math is foundational and progressive, it is especially important that students enroll in the courses recommended by the math faculty.

REQUIRED COURSES

201 - Algebra I            Grade 9              1 Credit
Prerequisite: Successful completion of Pre-Algebra
Algebra I is the first course in the systematic study of college-preparatory mathematics. Students begin the study of number sets, equations and inequalities, and patterns using their prior knowledge of arithmetic. Setting up and solving word problems is a vital part of this class, and students will examine sample problems with each new type of algebraic sentence introduced. Students will graph simple functions on the Cartesian coordinate plane and discover the relationship between an equation and its graph. Students will correctly use mathematical terms and symbols when speaking and/or writing. Accuracy, neatness, and organization are stressed in this class. The development of higher-order thinking skills is a primary objective, including estimation.

202 - Geometry            Grade 9/10           1 Credit
Prerequisite: Successful completion of Algebra I
Geometry is the second course in the systematic study of college-preparatory mathematics. Students will build a mathematical system from the ground up based on three undefined terms and a system of postulates and theorems. Students will use reasoning to construct the theorems of Geometry, first by understanding informal proofs written by others and, eventually, by writing concise, logical proofs of their own. Students will develop their powers of spatial visualization in two and three dimensions. Students of Geometry will discover the relationships among and between properties of various geometric figures. Students will correctly use mathematical terms and symbols when speaking and/or writing. Accuracy, neatness, and organization are stressed in this class. The development of higher-order thinking skills is a primary objective, including the necessity of precise language.

212 - Honors Geometry     Grade 9/10           1 Credit
Prerequisites: Eligible score on Algebra I Placement Test for new freshmen at SJCS or 90 average in Algebra I and recommendation from current math teacher
This course is a faster-paced, more in-depth study of Geometry than college-prep Geometry. Students enrolled in this class have demonstrated an aptitude for mathematics and the willingness to commit extra time and effort in study for the quality point they earn. Those expecting to take calculus in high school should be eligible to enroll in this course. Geometry is the second course in the systematic study of college-preparatory mathematics. Students will build a mathematical system from the ground up based on three undefined terms and a system of postulates and theorems. Students will use reasoning to construct the theorems of Geometry, first by understanding informal proofs written by others and eventually, by writing concise, logical proofs of their own. Students will develop their powers of spatial visualization in two and three dimensions. Students of Geometry will discover the relationships among and between properties of various geometric figures. Students will correctly use mathematical terms and symbols when speaking and/or writing. Accuracy, neatness, and organization are stressed in this class. The development of higher-order thinking skills is a primary objective, including the necessity of precise language.
203 - Algebra II  
**Grade 10/11 1 Credit**

*Prerequisite: Successful completion of Geometry*

Algebra II is the third course in the systematic study of college-preparatory mathematics. Algebra II is the study of functions. Students will investigate polynomial, rational, quadratics, and other second-degree functions and perform the basic operations on each type. Students will compare and contrast sets of numbers, e.g., irrational, imaginary, and complex. In Algebra II, students will solve a variety of algebraic equations, inequalities, and word problems using the appropriate algorithm(s) for each, including solving with the aid of a graphing calculator where appropriate. Students will correctly use mathematical terms and symbols when speaking and/or writing. Accuracy, neatness, and organization are stressed in this class. The development of higher-order thinking skills is a primary objective, including multi-step problem solving.

213 - Honors Algebra II  
**Grade 10/11 1 Credit**

*Prerequisites: 85 average in Honors Geometry or 90 average in Geometry and recommendation from current math teacher*

This course is a faster-paced, more in-depth study of Algebra II than college-prep Algebra II. Students enrolled in this class have demonstrated an aptitude for mathematics and the willingness to commit extra time and effort in study for the quality point they earn. Those expecting to take Calculus in high school should be eligible to enroll in this course. Algebra II is the third course in the systematic study of college-preparatory mathematics. Algebra II is the study of functions. Students will investigate polynomial, rational, quadratics, and other second-degree functions and perform the basic operations on each type. Students will compare and contrast sets of numbers, e.g., irrational, imaginary, and complex. In Algebra II, students will solve a variety of algebraic equations, inequalities, and word problems using the appropriate algorithm(s) for each, including solving with the aid of a graphing calculator where appropriate. Students will correctly use mathematical terms and symbols when speaking and/or writing. Accuracy, neatness, and organization are stressed in this class. The development of higher-order thinking skills is a primary objective, including multi-step problem solving.

**ADDITIONAL COURSES THAT MEET REQUIREMENTS**

205 - Algebra III*  
**Grade 11/12 1 Credit**

*Prerequisite: Successful completion of Algebra II*

Algebra III is the fourth course in the systematic study of college preparatory mathematics. Students will continue to examine the different types of algebraic equations and discover methods for solving each. Recognizing and graphing many types of equations and inequalities is an essential part of this course. The second semester of Algebra III is a study of trigonometry. Students will use the graphing and conversion capabilities of their calculators when appropriate. Students will correctly use mathematical terms and symbols when speaking and/or writing. Accuracy, neatness, and organization are stressed in this class. The development of higher-order thinking skills is a primary objective, including recognizing patterns.

204 - Pre-Calculus*  
**Grade 11/12 1 Credit**

*Prerequisites: 80 average in Honors Algebra II or 85 average in Algebra II*

Pre-Calculus is the fourth course in the systematic study of college-preparatory mathematics. Students in Pre-Calculus will continue investigating the similarities and differences of various functions. Students will examine the relationship between a function and its graph. The second semester of the Pre-Calculus course is an in-depth study of trigonometry. Students will correctly use mathematical terms and symbols when speaking and/or writing. Accuracy, neatness, and organization are stressed in this class. The development of higher-order thinking skills is a primary objective, including recognizing mathematical patterns and making inferences.

*NOTE: Because of the number of overlapping topics, a student who has successfully completed Algebra III CANNOT enroll in a Pre-Calculus course; instead, that student may take the AP Statistics course or the two one-semester Honors Fundamentals of Calculus/Fundamentals of Statistics sequence described below.*
214 - Honors Pre-Calculus*  
Grade 11/12  
1 Credit
Prerequisites: 85 average in Honors Algebra II or 90 average in Algebra II and recommendation from current math teacher
This course is a faster-paced, more in-depth study of Pre-Calculus. Students enrolled in this class have demonstrated an aptitude for mathematics and the willingness to commit extra time and effort in study for the quality point they earn. Those expecting to take Calculus in high school should be eligible to enroll in this course. Pre-Calculus is the fourth course in the systematic study of college-preparatory mathematics. Students in Pre-Calculus will continue investigating the similarities and differences of various functions. Students will examine the relationship between a function and its graph. The second semester of the Pre-Calculus course is an in-depth study of trigonometry. Students will correctly use mathematical terms and symbols when speaking and/or writing. Accuracy, neatness, and organization are stressed in this class. The development of higher order thinking skills is a primary objective, including recognizing mathematical patterns and making inferences.
*NOTE: Because of the number of overlapping topics, a student who has successfully completed Algebra III CANNOT enroll in a Pre-Calculus course; instead, that student may take the AP Statistics course or the two one-semester Honors Fundamentals of Calculus/Fundamentals of Statistics sequence described below.

250 - AP Calculus AB  
Grade 11/12  
1 Credit
Prerequisites: PSAT math section score of 600 or better, 85 average in Honors Pre-Calculus or 90 average in Pre-Calculus, recommendation from current math teacher
This is a college-level course offered for students who have a high degree of interest and skill in mathematics. AP Calculus introduces the idea of a limit to Pre-Calculus topics so as to investigate new concepts using derivatives and integrals.

252 – AP Calculus BC  
Grade 12  
1 Credit
Prerequisites: Successful completion of AP Calculus AB, as well as recommendation and approval of the AP Calculus AB/BC teacher(s)
This is a college-level course offered for students who have a high degree of interest and skill in mathematics. AP Calculus BC further develops the study of Calculus with more integration techniques, infinite series, conics, parametric equations, and polar coordinates.

251 - AP Statistics  
Grade 11/12  
1 Credit
Prerequisite: 90 average in Algebra III or 85 in Pre-Calculus (80 in Honors Pre-Calculus)
This college-level course will examine a variety of problems dealing with gathering, organizing, and analyzing data. Students will investigate averages and variances, regression and correlation, elementary probability, normal distributions, scientific sampling, and making inferences. Students will use the statistical and graphing capabilities of their calculator. Students will correctly use mathematical terms and symbols when speaking and/or writing. Accuracy, neatness, and organization are stressed in this college-level class.

208 – Fundamentals of Statistics  
Grade 11/12  
½ Credit
Prerequisite: Algebra II
This introductory course will examine a variety of topics dealing with gathering, organizing and analyzing data. Students will investigate averages and variances, regression and correlation, elementary probability, normal distributions, scientific sampling, and making inferences with both confidence intervals and hypothesis-testing. Students will use the statistical and graphing capabilities of their calculator, as well as computer software. The goal for the course is to provide students with an introduction to a course that is fast-becoming the prevalent required math for most college majors.
210 – Honors Fundamentals of Calculus               Grade 12               ½ Credit
Prerequisites: 80 average in Honors Pre-Calculus, 85 average in Pre-Calculus, or 90 average in Algebra III
This is an intro-level course offered for students who have an interest in taking calculus at the college level, but may not be able to enroll in AP Calculus. Limits and derivatives will be introduced to familiarize the students with the concepts, vocabulary, and problem-solving techniques of a college-level calculus course.

ELECTIVES

207 - Personal Finance                    Grade 11/12                ½ Credit
This one-semester course is designed to educate the student on the importance of personal financial responsibility. It will cover topics such as finance, credit, college planning, avoiding debt, and understanding insurance and home mortgages.
SCIENCE DEPARTMENT

REQUIRED COURSES

301 – Biology
Grade 9
1 Credit

Prerequisite: None
The purpose of this course is to provide a challenging survey of biological topics for the college-bound student. The course will include units of study on the nature of life, basic taxonomic organization, organisms in the Monera, Protista and Fungi Kingdoms, plant structure and function, biochemistry, cell structure and function, ecological interrelationships, evolutionary theory, and an introduction to energy transformations and genetics. Several body systems will be explored, stressing comparisons between simple and complex organisms, while concentrating on human systems. The course will focus on ecological interrelationships throughout the year.

302 - Chemistry
Grade 10/11/12
1 Credit

Prerequisite: Successful completion of Algebra I
Chemistry is the study of matter, its properties, and how those properties result from the atomic structure. The course is designed to be useful to students having widely-differing backgrounds and career plans. Laboratory work is an essential part of this course. Topics covered include: scientific measurement, chemical periodicity, atomic structure, chemical names and formulas, bonding, behavior of gases, chemical reactions, stoichiometry, properties of solutions, acids and bases, oxidation-reduction reactions, and thermochemistry. The development of critical thinking and problem solving skills is stressed throughout the course.

312 - Honors Chemistry
Grade 10/11/12
1 Credit

Prerequisites: Completion of ninth grade Algebra I with a 90 average or completion of ninth grade Geometry with an 85 average and recommendations of the student’s Biology and math teachers
This course is an introduction to the study of atoms and chemical reactions which will prepare students for AP Chemistry. Topics covered include: scientific measurement, the structure of the atom and molecular bonding, chemical periodicity, states of matter, nomenclature, stoichiometry, thermodynamics, equilibrium, properties of gases, properties of solutions, acids and bases, and electrochemistry.

ADDITIONAL COURSES THAT MEET REQUIREMENTS

303 - Physics
Grade 11/12
1 Credit

Prerequisites: Completion of Geometry and completion of or concurrent enrollment in Algebra II
This course is an introduction to classical and modern physics. Topics covered include mechanics, vectors, forces and the laws of motion, work and energy, momentum and collisions, gravity and satellite motion, vibrations and waves, sound and light, and electricity and magnetism. This course focuses on a conceptual understanding of physics. Laboratory experiences are an integral part of the class.

313 - Honors Physics
Grade 11/12
1 Credit

Prerequisites: 90 average in CP Algebra II or 85 average in Honors Algebra II, completion of or concurrent enrollment in Pre-Calculus, recommendation from previous math teacher
Honors Physics is a more mathematically rigorous introduction to classical and modern physics. This course is aimed toward the student interested in math, sciences, and engineering. Topics covered include mechanics, energy, properties of matter, sound and light, electricity and magnetism, and a brief introduction to atomic and nuclear physics. Laboratory experiences are an integral part of the class.
353 - AP Physics 1  
Grade 11/12  
1 Credit
**Prerequisites:** Completion of Honors Geometry, 90 average in Honors Algebra II and Pre-Calculus (may be taken concurrently), recommendation of previous science instructor, PSAT math section score of 620 or better

This course is the equivalent of a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It includes basic use of trigonometric functions and will also introduce electric circuits.

354 – AP Physics 2:  
Grade 11/12  
1 Credit
**Prerequisites:** AP Physics 1 and teacher recommendation

This course is equivalent to a second-semester college course in algebra-based physics, and covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. The course is offered as a supported online independent study course. Students have the primary responsibility for building understanding, with the instructor as a resource and guide. Students will spend instructional time engaging with the textbook, online lecture videos, simulations, online discussions, hands-on labs, problem-solving screencasts, online homework problems, and tests/exams. Hands on labs will be done at school with the support of an SJCS teacher. There is an substantial extra fee associated with this course. Please inquire if interested.

350 - AP Biology  
Grade 11/12  
1 Credit
**Prerequisites:** Completion of Biology, 90 average in CP Chemistry or 85 in Honors Chemistry, completion or concurrent enrollment in Statistics preferred, recommendation of previous science instructor. This course must be taken concurrently with Science 355, AP Biology Lab.

The course is a college-level survey of biological topics. Students should be aware of the demanding nature of this course in terms of the level of the material presented, amount of preparation time required, and difficulty of unit examinations. This course will explore, in detail, biochemistry, cytology, energy transformations, molecular and applied genetics, evolutionary theory, classification and kingdom overviews, plant and animal structure and physiology, ecological interrelationships, and behavioral theory. Laboratory skills are emphasized and in-depth lab reports are required. Prior to the first day of school, students are required to complete summer reading.

355 - AP Biology Lab  
Grade 11/12  
1 Credit
**Prerequisites:** This course MUST be taken concurrently with Science 350 AP Biology, and is the laboratory application of advanced biological investigations. In-depth reports and independent analysis are critical to student success in the AP Biology curriculum. Students in AP Biology will earn 2 credits.

351 - AP Chemistry  
Grade 11/12  
1 Credit
**Prerequisites:** Completion of Algebra II, 93 average in CP Chemistry or 90 in Honors Chemistry, concurrent enrollment or completion of Pre-Calculus, recommendation of previous science instructor

This course is designed to be the equivalent of the general Chemistry course taken by science and engineering majors in their first year of college. The framework of this course is quantitatively different from Honors Chemistry, going into greater depth in some concepts and introducing new ones. The emphasis of the course relies on chemical calculations and mathematical formulations of chemical principles as well as laboratory techniques. The development of these themes introduces students to the study of chemistry on a level that prepares them for subsequent courses in chemistry taken at the college level. Prior to the first day of school, students are required to complete summer reading.
304 – Environmental Science  
Grade 11/12  ½ Credit
Prerequisites: One year of credit in Biology and in Chemistry
This is a one-semester course for students interested in the environment. Topics include ecology, pollution, biodiversity, energy sources, climate, and sustainability. Ethical questions are highlighted and discussed. Laboratory and field experiences (for instance, at Lake Conestee Nature Park) are included.

305 - Forensic Science  
Grade 11/12  ½ Credit
Prerequisites: One year of credit in Biology and in Chemistry
This is a one-semester course that involves the application of biological, chemical, and physical principles to the investigation of physical evidence in criminal cases. The course focuses on leading-edge technologies police and crime labs rely on to apprehend criminals. The course includes case studies and videos of actual criminal cases. Topics covered include fingerprints, hair and fabric analysis, glass, serology, and firearms. Critical thinking and analytical skills are emphasized. Laboratory is included.

307/809 – Health and Exercise Science  
Grade 11/12  ½ Credit
Prerequisites: One year of credit in Biology and in Chemistry
This is a one-semester class that focuses on understanding the physiological responses and adaptations to exercise by examining basic principles of physical fitness and exploring the human body systems, including the cardiovascular, muscular, respiratory, digestive, and nervous systems. Students are introduced to health issues such as cancer, diabetes, cardiovascular disease, and nutrition. Laboratory experiences are an integral part of the course. At a student’s request, this course can be used to help fulfill a P.E. credit instead of a science credit.

309 - Human Anatomy & Physiology  
Grade 11/12  ½ Credit
Prerequisite: One year of credit in Biology and in Chemistry
This survey level introductory course investigates the majority of the human body systems. Through lecture and labs, students will gain in-depth knowledge of the integumentary, skeletal, muscular, cardiovascular, respiratory, digestive, reproductive, and nervous systems. Laboratory work requires students to be efficient with microscopes and to participate in dissections.

317 - Honors Human Anatomy and Physiology  
Grade 11/12  1 Credit
Prerequisite: Recommendation of your current science teacher and a current science average of 80 in an Honors class or 85 in a CP science class. One year of credit in Biology and in Chemistry
This full-year, one credit laboratory course examines the human systems in greater detail than the semester course, with particular attention to the interrelationships between the various systems. Laboratory work requires the efficient use of microscopes and participation in dissections. Individual research projects will be assigned each semester. When possible, field trips and speakers will be provided. This course is intended for those students who are interested in preparation for paramedical education at a higher level.

323 - Honors Aerospace Science I  
Grade 11/12  ½ Credit
Prerequisites: Completion of Algebra II with an 85 in CP Algebra II or an 80 in Honors, or concurrent enrollment in Algebra II with an 85 in CP Geometry or an 80 in Honors Geometry.
Aerospace Science I introduces students to critical themes in the field of aviation and space science. Topics include meteorology, aerodynamics, ballistics, telemetry, propulsion and aerial navigation. Laboratory work will focus on the application of concepts learned in class to real-world experiences including weather observation and forecasting, flight-vehicle design and navigation. This course is a prerequisite for Aerospace Science II.
324 - Honors Aerospace Science II  Grade 11/12  ½ Credit
Prerequisites: Completion of Aerospace Science I and recommendation of the Aerospace Science I instructor. Aerospace Science II builds on the concepts learned in Aerospace Science I and seeks to prepare the student to pass the FAA Part 107 written examination leading to their certification as a commercial drone pilot. Topics will include aerodynamics, robotics, aerospace human factors, flight operations and U.S. aerospace law and regulations pertaining to the safe and legal operation of unmanned aerial vehicles. Laboratory experiences will focus on integrating the concepts learned in class into the student’s practical knowledge of drone flight operations. Although the course is geared towards successful certification, students will not be required to take the FAA written exam.

ELECTIVES (These courses do not satisfy lab requirements)

306 - Genetics  Grade 11/12  ½ Credit
Prerequisite: One year of Biology and Chemistry
The fundamentals of Mendelian genetics will be related to human pedigrees, and non-Mendelian genetics will be discussed. The latest technology used in genetic research and applied genetics will be studied. The students will understand how genetic research will affect their lives and will knowledgeably discuss ethical issues related to genetic counseling and genetic engineering. Each student will do an in-depth research project on one genetic disease of man. This class does not meet the 3rd year lab science requirement.

316 Honors Astronomy
Prerequisite: One year of Biology and Chemistry
Grade 11/12  ½ Credit
This course will provide the student with an introduction to the concepts of modern astronomy, the origin and history of the Universe and the formation of the Earth and the solar system. Students will compare the Earth's properties with those of the other planets and explore how the heavens have influenced human thought and action. This class does not meet the 3rd year lab science requirement.
HISTORY DEPARTMENT

REQUIRED COURSES

NOTE: Beginning with the class of 2022, History 406/416 (European History at either the CP or Honors level) will be a full-year sequence. Members of this and subsequent classes will be required to have four full credits of History, including a one-semester, half-credit course in both Government and Economics. AP Government (course #451) does satisfy the credit requirement for Government, but not for Economics.

405- World History Grade 9 1 Credit
Prerequisite: None
This freshman level course is a survey of the major cultures which developed in Africa, Asia, Europe, and the Americas from the beginnings of human civilization up to the present day. Political, social, cultural, economic, and intellectual history are covered, particularly as they shape contemporary world events.

402 - Modern European History Grade 10 1 Credit
Prerequisite: World History
This sophomore level course is a survey examination that begins with the advent of the Modern Age in Europe and traces political, economic, and cultural influences that affected the global populations over a five-hundred year period. Particular attention is given to the influence of intellectual movements such as the Renaissance and the Enlightenment as well as major social changes that flowed from both the French and Industrial Revolutions. The course examines major events that occurred during the 20th century and culminates with more contemporary developments in the 21st century. Students will receive direct training in the writing of research papers.

412 - Honors Modern European History Grade 10 1 Credit
Prerequisite: World History and Teacher recommendation
This writing-intensive sophomore level course is an in-depth examination of the Modern Age, and it is similar in content to History 406. The depth of analysis is greater in this course, as is the examination of primary documents. Students will receive direct training in the writing of research papers and be responsible for producing two research papers during the school year.

452 - AP European History Grade 10/11/12 1 Credit
Prerequisites: PSAT 8/9 Reading score of 29 or better, 93 average in World History, recommendation from current history instructor
AP Modern European History is a college-level survey course that explores the major themes of European history from 1450 to the present era. The curriculum follows the latest requirements of the College Board and will include extensive training to advance academic skills as a critical reader and analytical writer. The use of primary documents and extensive assessments are an important focus of this class which will prepare students to pass the College Board AP test at the end of the spring semester.

404 - Economics Grade 10/11/12 ½ Credit
Prerequisite: None
This one-semester course covers the basic principles and theories of economics. It also examines the practical application of these theories in contemporary society and government. Tax forms, personal budgeting, and a stock market simulation are all part of the course.
403 - U.S. History

**Grade 11**

**1 Credit**

*Prerequisites: World History, Modern European or AP European*

This class builds upon note-taking and essay writing skills in presenting a survey course in American history. The first semester will be spent covering American history up to Reconstruction era that followed the Civil War. The second semester will focus on post-Reconstruction developments and cover American historical events into the modern era. Students will be expected to read historical essays, biographies, and primary source materials. Research papers will also be assigned. In addition, students will be trained to master map skills for the periods studied. Summer reading is required.

413 - Honors U.S. History

**Grade 11**

**1 Credit**

*Prerequisites: 90 average in CP 10th grade History course, or 85 average in Honors*

At the Honors level, students should be adept at writing essays and taking notes. This class builds upon these skills and presents a survey course in American history. It is more detailed and accelerated than the college preparatory U.S. History. The first semester will cover American history up to Reconstruction era that followed the Civil War. The spring semester will focus on post-Reconstruction developments and cover major historical events into the modern era. Students will be expected to read historical essays, biographies, and primary source materials. Research projects and papers will also be required. In addition, students will be expected to master map skills for the periods studied. All students will construct a major research paper in the second semester. Summer reading is required.

450 - AP U.S. History

**Grade 11**

**1 Credit**

*Prerequisites: PSAT Reading score of 31 or better is strongly recommended, 90 average in previous history and English courses, history teacher recommendation. Students seeking admittance into this course against departmental recommendations may be required to submit a writing sample from a previous history course.*

This course is only for advanced history students who have achieved high performance in previous history classes. Students will study a college curriculum with collegiate-level expectations and workload. The primary focus is to prepare the students for the national AP exam; thus, the class is conducted in a more teacher-directed manner than non-AP classes. American history from pre-colonial times through the 1970's is covered in depth. Students will become well-versed in essay writing and higher-level thinking skills of evaluation, analysis, and synthesis. The interpretation of primary sources and differing methods of data presentation are incorporated at every level, as are map skills. Summer reading is required.

408 - Government

**Grade 11/12**

**½ Credit**

*It is strongly recommended that students complete their first semester of US History before signing up for Government when possible.*

United States Government is a one-semester history course that will examine the basic principles of our government: the workings of the legislative, the executive, and the judicial branches, and the sharing of power between the state and federal governments. A portion of the class is dedicated to discussion of current events and debate, as well as a further examination of constitutional principles as applied to today’s issues. Students must remain current on national events.

451 - AP United States Government & Politics

**Grade 12**

**1 Credit**

*Prerequisites: PSAT Reading score of 31 or better, 90 average in AP U.S. History or 95 average in U.S. History, teacher recommendation*

This is a college-level course only for those students who have achieved high performance in previous history classes and are avid learners of history. It is a college curriculum with collegiate level expectations and workload. The primary focus is to prepare the student for the national AP exam; thus, the class is conducted in a more teacher-directed manner than non-AP classes. The philosophy and structure of government along with economic issues and principles are thoroughly studied. Primary source materials and current event resources are heavily utilized. Summer reading is required.
ELECTIVES

NOTE: Elective courses count toward the fulfillment of a student’s elective requirement; however, these courses do not count toward the fulfillment of a student’s credit requirement in history unless noted.

407 - Principles of Psychology  Grade 10/11/12  ½ Credit
Prerequisite: None, but sophomores seeking to take psychology must meet with the instructor
This one-semester course is an introductory level examination of the systematic study of individual human behavior and experience. The purpose of this course is to introduce the student to the content, terminology, methodology, and application of the discipline. This survey course contains an introduction followed by four units based on the physiological, cognitive, behavioral, and affective domains of psychology.

453 – AP Art History  Grade 11/12  1 Credit*
Prerequisites: PSAT Reading score of 31 or better, 90 average in AP U.S. History or 95 average in U. S. History, teacher recommendation
This is a college level class that examines the role of art within history and the effect of that history upon art. The study of Art History involves critical thinking and will develop an understanding and knowledge of diverse historical and cultural contexts of architecture, sculpture, painting and other media. It also will create opportunity for students to strengthen an area neglected in most curricula. In this course, students will examine major forms of artistic expression from the past and present from a variety of cultures. While visual analysis is a fundamental tool of the art historian, art history emphasizes understanding how and why works of art function in context, considering such issues as patronage, gender, and the functions and effects of art.
*This class can fulfill ½ credit in Fine Arts.

420 - Honors “Holocaust History”  Grades 11/12  ½ Credit
Prerequisite: teacher recommendation
This course will explore those events that led to the systematic murders of six-million Jews during World War Two and created countless other victims during that period. Students will encounter the stories of survivors, witnesses, and rescuers that continue to raise essential questions about the nature of human behavior. The course will explore the consequences of how destructive policies are constructed and implemented and how individuals and communities are affected by malevolent decisions and actions. The curriculum requires extensive reading of primary and secondary sources and will emphasize class discussions. By studying the historical development of the Holocaust and similar examples of genocide, students will be invited to make the essential connection between history and the moral choices they confront in their personal lives. By utilizing sources that illuminate victim experiences, perpetrator perspectives, and bystander responses, the class will investigate the Nazi racial state that systematized mass killings and demanded collaboration and complicity. Finally, the course will examine the memory of the Holocaust in western culture.
ENGLISH DEPARTMENT

REQUIRED COURSES

501 - Composition & Literature  
Grade 9 1 Credit  
Prerequisite: None  
The focus of this class is two-fold: to strengthen research and composition skills and to develop analytical thinking skills through the examination of the different genres of literature, with an emphasis on ancient and medieval literature, and classical themes. Much time will be devoted, as well, to vocabulary building. Students will master the expository, persuasive, and critical analysis forms of writing, as well as the research paper. The literature study will encompass a survey of epic and lyric poetry, the short story, drama, allegory, and the novel. Students are required to complete summer reading and accompanying assignment prior to the first day of school.

511 – Honors Composition & Literature  
Grade 9 1 Credit  
Prerequisites: 1) 8th grade English teacher recommendation, based on work ethic and proficiency in critical reading and writing and 2) strong writing sample, written for the SJCS High School Admissions Test.  
The honors course begins with the assumption of a greater fluidity with writing and a greater aptitude for reading comprehension and textual analysis. From there, the class focuses on consistently building vocabulary to enhance the more challenging reading and analytical writing that will spring from the study of many different literary genres. The literary emphasis will be on ancient literature, yet will include works from the Renaissance, the Victorian era, and the twentieth century, as well. A research paper involving literary analysis will be required. Students are required to complete summer reading and an accompanying assignment prior to the start of school.

502 - European Literature  
Grade 10 1 Credit  
Prerequisite: None  
This course will survey the development of literature in Europe, especially during the Middle Ages through the seminal works of Christendom. Students will be required to write analytical papers each semester, culminating in a research paper. Prior to the first day of school, students are required to complete summer reading.

512 - Honors European Literature  
Grade 10 1 Credit  
Prerequisite: 9th grade English teacher recommendation, based on work ethic and proficiency in critical reading and writing. A writing sample may be required prior to enrollment in the course.  
The honors course begins with the assumption of a greater fluidity with writing and a greater aptitude for reading comprehension and textual analysis. From there, the class focuses on consistently building vocabulary to enhance the more challenging reading and analytical writing that will spring from the study of many different literary genres. The literary emphasis will be on Medieval literature, including the works of Chaucer, Dante, and Shakespeare. A research paper involving literary analysis will be required. Students are required to complete summer reading and an accompanying assignment prior to the start of school.
503 - American Literature

**Grade 11**

**1 Credit**

*Prerequisite: None*

This course will survey the development of literature in the United States. Students will be required to write analytical papers each semester, in addition to a longer in-depth research project. Students will read several classic American novels and plays in addition to a variety of prose and poetry selections from the anthology. Prior to the first day of school, students are required to complete summer reading.

513 - Honors American Literature

**Grade 11**

**1 Credit**

*Prerequisite: 10th grade English teacher recommendation, based on work ethic and proficiency in critical reading and writing. A writing sample may be required prior to enrollment in the course.*

This course will survey the development of literature in the United States. Students will be required to write analytical papers each semester, in addition to a longer in-depth research project. Students will read several classic American novels and plays in addition to a variety of prose and poetry selections from the anthology. Poetry will receive special emphasis. Prior to the first day of school, students are required to complete summer reading.

550 - AP English Literature and Composition

**Grade 11**

**1 Credit**

*Prerequisites: Honors level freshman or sophomore literature course, and PSAT reading score of 31 or better is strongly recommended. Students seeking entrance into the course against departmental recommendations must submit a writing sample from a previous year concurrently with the appeal request form.*

AP English Literature and Composition is a college level course designed to engage students in the careful reading and critical analysis of imaginative literature. It requires students to interact imaginatively, creatively, and analytically with a variety of texts. The study of literature will be genre based, within a chronological framework, requiring intense reading assignments. Through the close reading of selected texts, students should deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students should 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. The course will feature intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit. Summer reading is required.

504 - Modern Literature

**Grade 12**

**1 Credit**

*Prerequisite: None*

This course will survey the development of literature beginning with the Renaissance, emphasizing European and American literature. Students will be required to write analytical papers each semester, in addition to a longer in-depth research project. Prior to the first day of school, students are required to complete summer reading.

514 - Honors Modern Literature

**Grade 12**

**1 Credit**

*Prerequisite: 11th grade teacher recommendation, based on work ethic and proficiency in writing and reading, as well as Honors Modern Literature teacher's recommendation based on writing sample.*

This course will survey the development of literature beginning with the Renaissance, emphasizing European and American literature. Students will be required to write analytical papers each semester, in addition to a longer in-depth research project. Prior to the first day of school, students are required to complete summer reading.
**551- AP Language and Composition**  
*Grade 12*  
1 Credit

*Prerequisites:* Honors or AP level junior literature course, and PSAT Writing and Reading scores of 32 or better are strongly recommended. High achieving performance in previous honors courses in the department is also encouraged. Students seeking entrance into the course against departmental recommendations must submit a writing sample from a previous year concurrently with the Appeal form.

This course focuses on writing and analysis of non-fiction prose. Students will explore how others write effectively through analysis and then use these writings as models for self-improvement. In addition, students will focus on critical reading skills so that they will be able not only to understand what the writer is communicating, but also how the writer uses the English language to manipulate those effects. Students will write in various styles including memoir, journalistic, persuasive, satirical, narrative, descriptive, argumentative, analytical, compare and contrast, and synthesis. In addition, students will analyze the ways in which visual media contribute to their understanding of a subject. In the spring, students will complete the AP English Language and Composition exam.

**ELECTIVES**

**NOTE:** Elective courses count toward the fulfillment of a student’s elective requirement; however, these courses do not count toward the fulfillment of a student’s credit requirement in English.

**507 – Creative Writing**  
*Grade 9/10/11/12*  
½ Credit

*Prerequisite: None*

Students will explore the art of creative writing by investigating various genres of literature/writing; reading closely with an eye on technique, style, and voice; writing creatively in a variety of genres and with various foci; and presenting their own work through peer editing, author’s chair readings, and publishing. Students will keep a writing journal and will submit a portfolio of original compositions at course’s end.

**509 – Honors Shakespeare**  
*Grade 11/12*  
1 Credit

*Prerequisite: Completion of sophomore Honors European Literature and teacher recommendation*

This course will investigate the life and works of William Shakespeare in light of the Catholic faith. We will examine his personal life, the life of his family, English Catholic culture, and the history of recusant England in order to examine the Catholic elements in his work.

**510 - Dante in the Western Canon**  
*Grade 10/11/12*  
½ Credit

This one semester course is dedicated to a thorough reading of Dante’s *Purgatorio* and *Paradiso*. The course will begin with a brief review of *Inferno*. Detailed and critical reading skills will be practiced.

**515 - Studies in Humor**  
*Grade 10/11/12*  
½ Credit

This course will examine theories of humor, as well as genres and media. As part of the study, students will write responses to various examples of humor as well as produce their own "humorous" works. Genres studied will include the joke, the limerick, the spoof, the anecdote, satire, screwball comedy, slapstick, stand-up comedy, and self-deprecation. Media will include print (novel, short story, poetry, newspaper, etc.), visual (film, television, etc.), and oral communication.
**518 - Literature and Music of the American Civil Rights Movement**  Grade 10/11/12  ½ Credit
This one-semester elective will cover the literature and music of the American Civil Rights era from its beginnings in American spirituals and blues, through Reconstruction and after (1865-1919), the Harlem Renaissance (1919-1940), and Modernism to the present. Students will read and listen to a variety of speeches, songs, sermons, poems, short stories, and plays in the context of major events of the American Civil Rights movement. Authors include, but are not limited to, Frederick Douglass, the Rev. Martin Luther King, Jr., Malcolm X, Sojourner Truth, Booker T. Washington, WEB DuBois, Zora Neale Hurston, Langston Hughes, Gwendolyn Brooks, James Baldwin, Lorraine Hansberry, Daniel Berrigan, Nikki Giovanni, and Maya Angelou. Along with the texts, students will gain an understanding of the role of music in the Civil Rights movement, including the blues, spirituals, rhythm & blues, gospel, jazz, and hip hop. The class will integrate the Catholic social teaching themes of solidarity, the dignity of every human person, and care for the poor and vulnerable, especially in relation to the civil rights ideal of the Beloved Community.

**508/708 - Newspaper and Literary Magazine Production**  Grade 10/11/12  1 Credit
Prerequisite: Instructor approval  *At a student’s request, this class can be used to fulfill a Fine Arts credit instead of an English elective credit. Pass/Fail
This is an independent study option for the staffs of St. Joseph’s Catholic School’s two publications of student writing, the *Knightly News* and *Inscape*. *Knightly News* staff members will write, edit, design and layout the newspaper. *Inscape* staff members will solicit and evaluate submissions, as well as design, layout and edit the magazine. Throughout the year, students will work on individual and group assignments relevant to each publication. All students will attend training in InDesign, software used to produce both publications.
WORLD LANGUAGE DEPARTMENT

NOTE: Please refer to page 5 for an explanation of 8th grade and transfer world language credits and placement.

The department strongly recommends that students take three years of the same World Language. Current SJCS students must have a 77 average or better to advance to the next level of a World Language. In the event that a student has an average of 70-76 average, the student may 1) switch to the first year of a different World Language; or 2) complete an approved summer program and pass a placement test in August. The World Language chair must approve all summer programs.

601 - Spanish I  
Grade 9/10/11/12  1 Credit  
Prerequisite: None  
This is a beginning Spanish course emphasizing the development of the four language skills: listening, speaking, reading, and writing with stress on aural/oral comprehension and cultural awareness. Vocabulary acquisition is emphasized, and basic grammar will be studied as well as verb tenses.

602 - Spanish II  
Grade 9/10/11/12  1 Credit  
Prerequisite: 77 average in Spanish I or acceptable score on Spanish placement test for incoming students  
This course involves a review and extension of Spanish I with continued emphasis on the development of the four language skills: listening, speaking, reading, and writing with stress on aural/oral comprehension. It includes detailed verb study and grammar applications as well as new vocabulary. Conversational Spanish and writing are further developed. Continued emphasis is placed on communicative competence and cultural awareness.

603 - Spanish III  
Grade 10/11/12  1 Credit  
Prerequisite: 77 average in Spanish II or acceptable score on Spanish placement test  
This course is a review of and a more advanced study of the Spanish language with emphasis on speaking and writing skills. In-depth study of Spanish/Spanish-American civilization, culture, and literature is included. Selections from Spanish and Latin American authors will be read. There is less emphasis on grammar and more emphasis on conversation and composition. Much of the class is conducted in Spanish.

613 - Honors Spanish III  
Grade 10/11/12  1 Credit  
Prerequisites: 85 average in Spanish II and teacher recommendation or acceptable score on Spanish placement test  
This course covers an accelerated and more in-depth study than Spanish III. In addition to the Spanish III course work, Spanish III Honors will give special emphasis on more advanced literary selections and compositions. Additional emphasis is placed on the use of Spanish for active communication. Most of the class is conducted in Spanish.

614- Honors Spanish IV  
Grade 11/12  1 Credit  
Prerequisites: 90 average in Honors Spanish III or 93 in CP Spanish III and teacher recommendation or acceptable score on Spanish placement test  
Emphasis will be placed on conversation and comprehension as well as composition. Students will read excerpts of literary works and material drawn from the Spanish media and other authentic selections to develop their reading skills and provide experiences in the areas of everyday needs, language careers, and contemporary culture. A review of grammar will be included. The Honors Spanish IV class will be conducted mostly in Spanish.
650 - AP Spanish Language  
Grade 11/12  
1 Credit  
Prerequisites:  93 average in Honors Spanish IV, teacher recommendation and a student writing sample  
This class is conducted entirely in Spanish. It is assumed that students have already learned the grammar and syntax of the language and have acquired strong skills in speaking, writing, reading, and understanding Spanish. Therefore, the curriculum for this course is designed to reinforce and sharpen these skills with the goal of achieving mastery as defined by the AP Spanish Language course description.

605 - French I  
Grade 9/10/11/12  
1 Credit  
Prerequisite:  None  
This course will introduce students to the French language and to francophone culture. The emphasis is on the four language skills: listening, speaking, reading, and writing. Basic grammar and vocabulary will be studied, as well as verb tenses.

606 - French II  
Grade 9/10/11/12  
1 Credit  
Prerequisite:  77 average in French I or acceptable score on French placement test for incoming students  
This course expands the knowledge of the French language and culture and includes a thorough review of concepts learned. It broadens the exposure to the four skills of listening, speaking, reading, and writing. It includes detailed verb study and grammar applications as well as new vocabulary. Conversational French and writing are further developed.

617 – Honors French III  
Grade 10/11/12  
1 Credit  
Prerequisite:  85 average in French II and teacher recommendation or acceptable score on French placement test for incoming students or teacher recommendation  
This course is a review of and a more advanced study of the French language. Students will begin reading excerpts of literary works and material drawn from the French media. This class will be conducted mostly in French.

618 - Honors French IV/V  
Grade 10/11/12  
1 Credit  
Prerequisite:  90 average in Honors French III or IV and teacher recommendation or acceptable score on French placement test for incoming students  
Honors French IV/V is an opportunity for students to familiarize themselves with the history, literature, and culture of France and the Francophone world while expanding and fine-tuning their language and grammar skills. Work from the textbook is constantly supplemented with authentic historical, cultural, and literary materials. The class is conducted in French and students are expected to speak French in class.
FINE ARTS DEPARTMENT

NOTE: All students selecting Fine Arts classes must request at least one alternate choice option for scheduling purposes. If no alternate choice option is selected, a default class will be assigned to you.

701 - Exploring Art Techniques I
Prerequisite: None
This is a one-semester course for students who desire to learn about the foundations of visual art, explored through the use of various media. Students will study: elements/principles of design, graphite drawing including still life and people, focusing on form, value, and color theory, and acrylic painting. Students will learn how to “speak without using words,” various techniques of art production, and problem-solving skills.

702 - Exploring Art Techniques II
Prerequisite: Exploring Art Techniques I
This is a one-semester course for students who show a desire to further their exploration in visual art. The elements of visual art are explored in a more in-depth manner through the use of various media. Projects may include: watercolor painting, non-traditional painting, oil pastels, printmaking, 3D design, surreal collage, writing a research paper on an artist, and creating a copy of his/her work. Students will explore various techniques of art production and improve their creative problem-solving skills.

703 - Drawing
Prerequisite: 701 - Exploring Art Techniques I
This is a one-semester course. This class is for students who show an aptitude for drawing and is a two-dimensional art course. Drawing is explored through the use of a variety of media, including charcoal, pen, and ink, chalk pastel and Prismacolor pencils. The student is responsible for choosing most subject matter and always for composition choices. Form and value are at the core of every project. Extra studio time will be needed for project completion.

704 - Mixed Media Art
Prerequisite: None
This is a one-semester course. This class is for students who are more interested in design than traditional art. All projects will be based on the Elements/Principles of Design and color theory. Students will be responsible for choosing subject matter and composition. Subject matter includes: creating a pattern for upholstery, x-acto knife paper cutting project, Biblical collage, and fun clay creatures. Students will learn the value of following the process to a rewarding outcome.

754 - Mixed Media II - 3D Art
Prerequisite: Mixed Media
This is a one-semester course for students who show a desire to further pursue mixing media types and working with their hands. Students will continue to focus on the elements and principles of design while producing 3D forms based on ancient vessels, Native American art, Edgar Degas, Alexander Calder Jasper Johns, and Ann Weber.

705 – Portfolio Development
Prerequisites: All offered Visual Art courses. For transfer students: application, interview, and instructor approval. This is a full-year independent study course. This course will focus on the production of student college portfolio and will end with a student art exhibit in the spring and is designed for students who plan to pursue the Visual Arts at the collegiate level.
### 706/904 – Digital Photography
**Grades 9/10/11/12 ½ Credit**

**Prerequisite:** Computer Applications

In this one-semester course students will learn the FUNdamentals of photography: composition, lighting, shutter speed, and aperture. Students will also process their images in the digital darkroom: Photoshop! An emphasis will be on camera techniques as well as self-expression. Students must bring their own camera to class, point-and-shoots or DSLR, but no phone cameras. This course can also count as a Computer Science credit.

### 709/909 - Digital Photography II
**Grades 10/11/12 ½ Credit**

**Prerequisite:** Digital Photography

This is a one-semester class. Students will learn in depth lighting, portraiture and still life techniques. Using Photoshop for post-production students will learn in depth techniques for retouching and blending images. A portfolio of 10-15 images will be presented for the final project. This course can also count as a Fine Arts credit.

### 718/902 - Graphic Applications
**Grade 10/11/12 ½ Credit**

**Prerequisite:** Computer Applications; **Co-requisite:** Geometry. It is also recommended that students take Exploring Art/Introduction and Basics before taking this course or in conjunction with this course.

This is a **one-semester** course. The techniques of Adobe’s Illustrator vector graphics program will be learned. These skills will allow a student to create graphics containing text and images that can be used for varied purposes. The skills and techniques will then be used in an end-of-semester project where the students will create an illustration and then modify it to meet stated criteria. This course can also count as a Computer Science credit.

### 719/919 Graphic Applications II
**Grade 10/11/12 ½ Credit**

**Prerequisite:** Graphic Applications

This one-semester course builds on the skills learned in Graphic Applications. Students will learn more tools in Adobe Illustrator. In addition to Illustrator, students will learn how to add texture, cutouts, and more using Adobe Photoshop. Using both applications, students will create a portfolio of 5-7 designs by the end of the semester.

### 707/905 - Yearbook Staff
**Grade 11/12 1 Credit**

**Prerequisite:** Computer Applications and instructor approval

This class allows students to pursue their creative talents beyond the regular classroom. The course is organized as a class, with students working on individual and group assignments for the yearbook. The student will learn to use software to pull together all of the elements of a yearbook including photography, layout design, and copywriting. Class is limited to 12.

### 708/508 - Newspaper and Literary Magazine Production
**Grade 10/11/12 1 Credit**

**Prerequisite:** Instructor approval

This is a laboratory course for the staffs of St. Joseph’s Catholic School’s two publications of student writing, the *Knightly News* and *Inscape*. *Knightly News* staff members will write, edit, design and layout the newspaper. *Inscape* staff members will solicit and evaluate submissions, as well as design, layout and edit the magazine. Throughout the year, students will work on individual and group assignments relevant to each publication. All students will attend training in InDesign, software used to produce both publications. Class is limited to 12 students.
710 – Intro to Theatre Arts

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Prerequisite: None

This is a one-semester course, arranged primarily as a play survey class. Students will explore various scripts, discovering the evolution of theatre from Ancient Greece to the contemporary stage. Students will also study theatre history, building their comprehension of the production’s connection to the time period. Emphasis will be on theatre history, script reading, discussion, and performance critique. Basic acting and opportunities for playwriting will also be included in the class projects; however, this is explored in greater detail in Advanced Theatre Arts.

711 - Advanced Theatre Arts

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Prerequisite: Intro to Theatre Arts or teacher recommendation and performance in at least two high school productions

This one-semester course presents detailed instruction in acting, techniques, as well as an overview of other technical elements involved in a theatrical production: set design, costume design, and directing. Students will gain a stronger understanding of using the actor’s tools - mind, body, and voice - in bringing characters to life through genuine and truthful storytelling. Students in this class are also encouraged to be directly involved in the state theatre competitions. Emphasis will be on student participation, performance, evaluation, and critique.

712 - Prop Construction

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Prerequisite: Intro to Theatre Arts or Stage Crew or teacher recommendation

This is a fall-semester course in which students will learn the basic skills for making theatrical properties. In using color theory and basic shop tools, students will learn a variety of texture painting skills, build prop candles, rock formations, and fake food. Students will also learn the skills of mold-making by building and designing a hinged box and walking cane with bauble. Through these projects, students will acquire a foundational knowledge in theatrical construction used in prop, scenic, and costuming work. Emphasis will be on class projects and student evaluation of work. (Class limit 10)

713 - Drama & Stage Crew Practicum

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Prerequisite: Safety contract on file

This is a one-semester course for students who want to learn or be involved with the theatrical production process. This course will use the current main stage production as a lab with practical application covering the elements of technical theatre, including: scenic construction, costuming, scenic painting, sound, and lighting operation. To be eligible for this ½ credit, students must acquire at least 60 crew hours and fulfill a role as a part of the production crew, as assigned by the Director. (Pass/Fail) **This course is held after school.

714 – Directing

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Prerequisite: Application, interview, and instructor approval

This is a one-semester independent study course. Interested students will select a one act play and complete the proposal and interview process. The student assigned to direct will prepare, cast, and direct this one act play in order to compete in one of the two state theatre festivals (one in the fall and one in the spring.) Under the direction of the instructor, the student will prepare a script and character analysis, plan and execute auditions and casting, rehearse the cast, and hold design meetings. These student directors are responsible for the preparation of the production and will attend the festivals to lead the tech rehearsals and oversee the performances. Emphasis will be on project deadlines, communication, leadership, and collaboration. **This course is held after school.
715 - Theatre Production  Grade 11/12  1 Credit  
**Prerequisites: Application and personal interview and instructor approval**
This is a **full-year, independent study course**. Students are selected for this course based on a submitted application and a personal interview. The basis for this independent study course is production and independent design work; students work directly with the teacher on all Fine Arts productions and events throughout the current season, in the roles of stage managers, scenic designers, costume designers, property designers, and sound and lighting technicians. The students will also begin building a personal resume for college admissions and work toward evolving and improving the efficiency of the design team. **This course is held after school.**

716 - Speech and Improvisation  Grade 9/10/11/12  ½ Credit  
**Prerequisite: None**
This **one-semester course** will train students in the art of improvisation and public speaking. While improvisational theatre will be addressed, the focus of the class will be on intuitive responses that build the skills of thinking quickly and creatively, dealing with the unexpected, communicating clearly, focusing attention, and teamwork through exercises, scene-building, and class presentation. Basic vocal work and the use of speech and the voice will also be addressed to aid individual students in understanding how to use their voice more effectively. (Class limit 10)

717 - Film and Media  Grade 11/12  ½ Credit  
**Prerequisite: None**
In this **one-semester course**, students will study a variety of film genres, techniques, and theories. The emphasis of the course is on the student’s ability to “read” a film, analyzing it just as they would any other form of visual art. Examples of topics studied include film history, genre, documentary, adaptation, film theory, cinematography, sound, camera techniques, editing, and scriptwriting.

721 – The St. Joseph’s Singers  Grade 9/10/11/12  1 Credit  
**Prerequisite: Minimum of two semesters of singing experience and/or instructor approval**
Students will focus on the development of vocal skills and learn basic musicianship through ear training, music history, and music theory. Students will have the opportunity to further improve and refine their vocal technique while exploring a variety of musical styles, both sacred and secular. Students will perform in the Christmas and Spring concerts and sing for weekly school Mass. This course is intended to be taken for a full year. Students who wish to enroll for one semester must have instructor approval.

727 - Music Theory  Grade 9/10/11/12  ½ Credit  
**Prerequisite: Instructor Approval**
This Independent Study class will correspond to a semester of of a typical introductory college level music course and will cover topics such as musicianship, theory, musical materials, and procedures. Students will develop the ability to recognize, understand, and describe basic materials and processes of music that are heard or presented in scores and listening examples from varied genres.

731/804 – Intro to Modern Dance  Grade 9/10/11/12  ½ Credit  
**Prerequisite: None**
This **one-semester class** is an introduction to all forms of modern dance. It explores the movement of the body in relationship to space, form, and rhythm. Class will consist of warm-up, stretching, exercises to develop coordination of movements, and choreography to a variety of routines. Students will be expected to dress in comfortable, yoga-type clothing for the class. No performance will be required. At a student’s request, this class can be used to help fulfill a P.E. credit instead of a Fine Arts credit. Class will be limited to 16. **Students may take this multiple years.**
732/805 – Intro to Social Dance  
Grade 9/10/11/12  
½ Credit

Prerequisite: None

This one-semester beginning dance class teaches many of the social dances of our culture and others. It covers basic ballroom dancing like swing, the waltz and the tango. The students will also participate in contra dancing, square dancing, and other folk dances. Many newer line dances will also be taught like country, disco, and pop. This class will be open to 10 females and 10 males. At a student’s request, this class can be used to help fulfill a P.E. credit instead of a Fine Arts credit. Class will be limited to 18. Students may only take this course once. (Pass/Fail)

733/806 – Intermediate Social Dance  
Grade 9/10/11/12  
½ Credit

Prerequisite: Intro to Social Dance or instructor approval

This one-semester dance class builds upon the dances learned in Intro to Social Dance. Time will be spent learning additional steps and more advanced moves. The class will be limited to 16 students with an equal number of males and females. At a student’s request, this class can be used to help fulfill a P.E. credit instead of a Fine Arts credit. Students may take this multiple years.

734/811 – Advanced Dance  
Grade 9/10/11/12  
½ Credit

Prerequisite: 5 years dance training or instructor’s approval

This class will help the dancer improve his or her dance movement through practice, study, and cooperative critique. The class will focus mainly on modern, ballet, jazz, and lyrical dance. Choreography will also be studied and will become a major component of the class. A performance is required. (Pass/Fail)

742 – Strings Ensemble  
Grade 9/10/11/12  
1 Credit

Prerequisites: Can perform Grade 2.0 literature and Strings instructor recommendation.

This class is for students who have completed two years of strings class either at St. Joseph’s or another school. Students enrolled in this class have auditioned for the director and have shown that they are advanced enough to join the high school ensemble. Students will be learning a wide range of repertoire consisting of original, classical, pop, and sacred music, written for chamber size ensembles. Students will be expected to participate in their semester concert(s). Students may enroll one or two semesters. ** This class meets during the school day. Students may enroll for one or two semesters.

746 – High School Band  
Grade 9/10/11/12  
1 Credit

Prerequisites: One year of instruction and conductor recommendation

This class is for students who have completed one year of band class either at St. Joseph’s or another school. Students enrolled in this class should have completed Standard of Excellence Book I or have auditioned for the director and have shown that they are advanced enough to join the High School band class. These students will be working on music repertoire appropriate for High School Concert Band. Students will be expected to participate in their semester concert(s). One day a week students will have a study hall during this class period. ** This class meets during the school day. Students may enroll for one or two semesters.

748 – Advanced Band  
Grade 10/11/12  
1 Credit

Prerequisites: One year of high school band and conductor recommendation

This is a full-year course for students who have completed one year of high school band either at St. Joseph’s or another school. This class will run concurrent with Band 746 and Advanced Band students will join them in preparing a music repertoire appropriate for High School Concert Band. In addition to participating in two school concerts, Advanced students will also be required to complete a semester project. ** This class meets during the school day.
747 – Pep Band

Prerequisite: One year instruction

This fall semester class meets after school once a week to prepare for performances at select home Varsity Football games and Fall Pep Rally. Credit is dependent on student presence at all rehearsals and designated games (unless alternative arrangements are made with the Band Director). Attendance at summer band camp in August is required.
NOTE: Students can earn PE credit by participating in SJCS sports. One half credit can be earned for each season played at the JV or Varsity level during the high school years.

802 - Physical Education Grade 9/10/11/12 ½ Credit
This one-semester co-ed course consists of basic fundamentals of various team, recreational, lifetime, and individual sports. Basic physical fitness testing is initiated at the beginning and end of the school year to assess overall improvement in physical fitness. Specific issues relating to healthier living and character building will be included in the overall program.

803 - Athletic Training Grade 10/11/12 ½ Credit
Prerequisite: CPR/AED certification and attendance of the Athletic Training Workshop
This course will introduce students to taping and bracing, bandaging cuts and abrasions, using universal precautions, assisting with treatments and rehab, equipment safety, and assisting with hydration level of athletes. Student will be required to wear a designated uniform, attend all home events for the designated sport and put in a minimum of 6 hours a week for the duration of the sports season. This class time will occur after school hours during sports practices. Students must participate as Student Training Aide for one full season of an athletic sport.

804/731 – Intro to Modern Dance Grade 9/10/11/12 ½ Credit
Prerequisite: None
This one-semester class is an introduction to all forms of modern dance. It explores the movement of the body in relationship to space, form, and rhythm. Class will consist of warm-up, stretching, exercises to develop coordination of movements, and choreography to a variety of routines. Students will be expected to dress in comfortable, yoga-type clothing for the class. No performance will be required. At a student’s request, this class can be used to help fulfill a Fine Arts credit instead of a P.E. credit. Class will be limited to 16. Students may take this multiple years.

805/732 – Intro to Social Dance Grade 9/10/11/12 ½ Credit
Prerequisite: None
This one-semester beginning dance class teaches many of the social dances of our culture and others. It covers basic ballroom dancing like swing, the waltz and the tango. The students will also participate in contra dancing, square dancing, and other folk dances. Many newer line dances will also be taught like country, disco, and pop. This class will be open to 10 females and 10 males. At a student’s request, this class can be used to help fulfill a Fine Arts credit instead of a P.E. credit. Class will be limited to 18. Students may only take this course once. (Pass/Fail)

806/733 – Intermediate Social Dance Grade 9/10/11/12 ½ Credit
Prerequisite: Intro to Social Dance or instructor approval
This one-semester dance class builds upon the dances learned in the Intro to Social Dance. Time will be spent learning additional steps and more advanced moves. The class will be limited to 16 students with an equal number of males and females. At a student’s request, this class can be used to help fulfill a Fine Arts credit instead of a P.E. credit. Students may take this multiple years. (Pass/Fail)
811/734 – Advanced Dance  
Grade 9/10/11/12  
½ Credit

*Prerequisite: 5 years dance training or instructor’s approval*

This class will help the dancer improve his or her dance movement through practice, study, and cooperative critique. The class will focus mainly on modern, ballet, jazz, and lyrical dance. Choreography will also be studied and will become a major component of the class. A performance is required. (Pass/Fail)

808 – Strength Training  
Grade 9/10/11/12  
½ Credit

This *one-semester* co-ed course is available to all high school students. The course will provide a familiarization with the weight room including safety, exercise terminology, and technique. The students will be strength tested to determine a baseline as they begin their strength program. The program culminates in a strength test assessing growth.

809/307 - Health and Exercise Science  
Grade 11/12  
½ Credit

*Prerequisite: One year of credit in Biology and Chemistry*

This is a *one-semester* class that focuses on understanding the physiological responses and adaptations to exercise by examining basic principles of physical fitness and exploring the human body systems, including the cardiovascular, muscular, respiratory, digestive, and nervous systems. Students are introduced to health issues such as cancer, diabetes, cardiovascular disease, and nutrition. Laboratory experiences are an integral part of the course. At a student’s request, this course can be used to help fulfill a science credit instead of a P.E. credit.

813 - Physiology  
Grade 10/11/12  
½ Credit

This class studies the structure and function of the muscular, neuromuscular, cardiovascular, and respiratory systems during exercise. It will cover the following topics: Bioenergetics of exercise training, endocrine responses to exercise training, biomechanics of resistance exercise, adaptations to anaerobic training programs, adaptations to aerobic training programs, age and sex related differences and their implications for resistance exercise, psychology of athletic preparation and performance, performance enhancing substances, nutritional factors in health performance, warm-up and stretching techniques, resistance training and spotting techniques, and plyometric techniques.
COMPUTER SCIENCE

REQUIRED COURSE

901 - Computer Applications  Grade 9/10/11/12  ½ Credit
Prerequisite: None
This is a one-semester required course that will focus on file management, different methods of data storage, both local and cloud-based. Software packages include Microsoft Word and Excel, as well as Google Docs and Sheets. In addition, the class will be introduced to basic HTML and CSS, Adobe Photoshop and Adobe Illustrator.

ELECTIVES

902/718 – Graphic Applications  Grade 9/10/11/12  ½ Credit
Prerequisite: Computer Applications; It is also recommended that students take Exploring Art/Introduction and Basics before taking this course or in conjunction with this course.
This is a one-semester course. The techniques of Adobe’s Illustrator vector graphics program will be learned. These skills will allow a student to create graphics containing text and images that can be used for varied purposes. The skills and techniques will then be used in an end-of-semester project where the students will create an illustration and then modify it to meet stated criteria. This course can also count as a Fine Arts credit.

919/719 Graphic Applications II  Grade 10/11/12  ½ Credit
Prerequisite: Graphic Applications
This one-semester course builds on the skills learned in Graphic Applications. Students will learn more tools in Adobe Illustrator. In addition to Illustrator, students will learn how to add texture, cutouts, and more using Adobe Photoshop. Using both applications, students will create a portfolio of 5-7 designs by the end of the semester. This course can also count as a Fine Arts credit.

904/706 – Digital Photography  Grades 9/10/11/12  ½ Credit
Prerequisite: Computer Applications
In this one-semester course students will learn the FUNdamentals of photography: composition, lighting, shutter speed, and aperture. Students will also process their images in the digital darkroom: Photoshop! An emphasis will be on camera techniques as well as self-expression. Students must bring their own camera to class, point-and-shoots or DSLR, but no phone cameras. At a student’s request, this class can be used to help fulfill a Fine Arts credit instead of a computer elective. This course can also count as a Fine Arts credit.

909/709 – Digital Photography II  Grades 10/11/12  ½ Credit
Prerequisite: Digital Photography
This is a one-semester class. Students will learn in depth lighting, portraiture and still life techniques. Using Photoshop for post-production students will learn in depth techniques for retouching and blending images. A portfolio of 10-15 images will be presented for the final project. This course can also count as a Fine Arts credit.
905/707 - Yearbook Staff  
Grade 11/12  
1 Credit
Prerequisite: Computer Applications and instructor approval
This class allows students to pursue their creative talents beyond the regular classroom. The course is organized as a class, with students working on individual and group assignments for the yearbook. The student will learn to use software to pull together all of the elements of a yearbook including photography, layout design, and copywriting. Class is limited to 12. At a student’s request, this class can be used to help fulfill a Fine Arts credit instead of a computer elective.

910 - Introduction to Web Design  
Grade 9/10/11/12  
½ Credit
Prerequisite: Computer Applications or instructor approval (mandatory)
In this practicum-based course students will explore the structure of the World Wide Web and learn the basic principles of creating webpages using various forms of software and programming. Students will learn HTML language and primarily use Adobe products (Dreamweaver & Fireworks) for designing web pages.