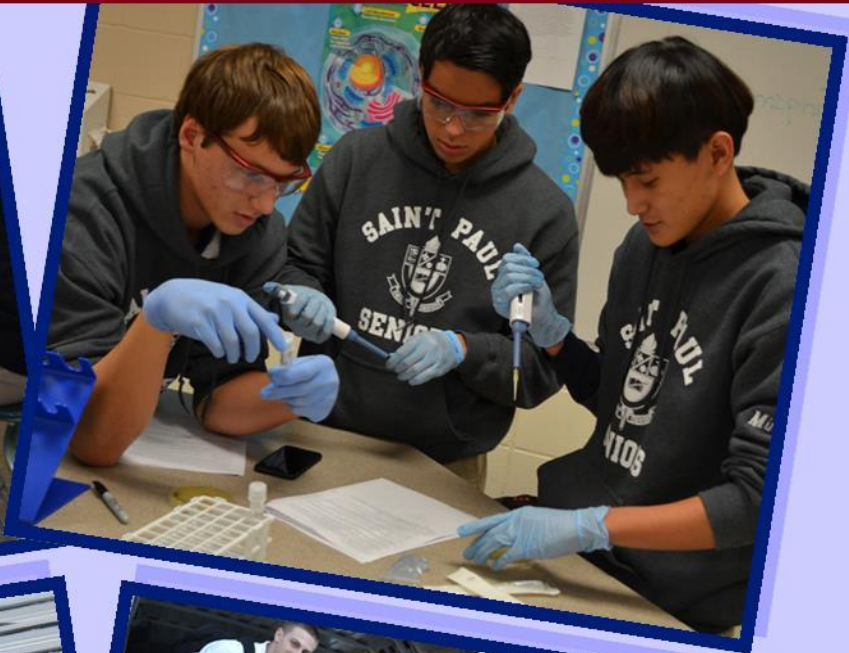


# ST. PAUL CATHOLIC HIGH SCHOOL



## CURRICULUM GUIDE 2016-2017

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## VISION

To be a truly great Catholic high school.

## MISSION STATEMENT

Christ is the reason for St. Paul Catholic High School. Upon this foundation, young men and women from diverse backgrounds are challenged to be their personal best in academics, athletics, fine arts, and service to others, as they prepare for the rigors of college and lifelong learning. The St. Paul community is distinguished by the respect, care, and encouragement members give each other to achieve moments of greatness.

## STATEMENT OF PHILOSOPHY

We believe that every individual is a unique creation of God and must be treated with the greatest respect. Adolescents learn best in an atmosphere of mutual respect where they feel safe, are nurtured, and have a sense of belonging. Therefore, the faculty and staff must serve as role models to students by living as committed Christians striving to teach as Jesus did. The Christian values learned both in the classroom and in co-curricular activities are critical to forming the whole person.

We believe that adolescents strive to meet the expectations of those responsible for them. Therefore, faculty and parents must work together to establish high expectations for students. We believe that adolescents must learn to take responsibility for their own lives as they prepare to be adult Christians. Self-discipline is the most effective form of discipline, so students are guided to respect themselves, others, and the learning process.

We believe that students are best served by a curriculum that emphasizes traditional core content, while providing opportunities for enrichment and exposure to rapid globalization. We believe that all individuals learn differently; therefore, it is essential for teachers to employ a variety of teaching strategies aided by state-of-the-art technology to respond effectively to each individual's learning style. Students appreciate learning through the efforts of enthusiastic teachers who love their subjects and who challenge their students to think critically and creatively. We believe that adolescents need intellectual, creative, physical, and service experiences so that they develop a lifelong commitment to personal growth and service to God and others.

## CORE VALUES

**Faith** – Knowing, believing in, and living the teachings of Jesus Christ and the Catholic Church.

**Character** – Living our Christian values with confidence and conviction.

**Community** – Fostering a sense of belonging by creating a safe and nurturing environment.

**Excellence** – Achieving one's personal best and contributing to the success of our community.

**Service** – Giving of one's self to help and support others.

## INTRODUCTION

The purpose of this Curriculum Guide is to provide necessary information regarding the courses offered at St. Paul Catholic High School. It is meant to assist students and their parents in selecting the best possible program based upon the student's abilities and needs. A balanced selection of subjects and a commitment to the development of good study habits will enable the student to profit from their high school career.

## COURSE SELECTION

Starting in mid-January through February, the Guidance Department assists each student with his/her course selections. Course selections are based on the student's present needs, past performance, graduation requirements, post high school plans, course offerings, and departmental recommendations. A tentative course selection form is sent home for parental approval. In late spring, schedules are processed and course conflicts are resolved. **The school reserves the right to add or withdraw courses without notice.**

## SCHEDULE CHANGES

Changes to a student's schedule will be made at the end of the school year for students who have a schedule conflict or for students who do not attain a passing grade in their final average and do not meet the prerequisites for advancement. Schedule change requests must be reviewed and approved by the student's counselor, teacher, parent(s), and the Dean of Academic Life. **All student schedules are considered final as of August 31. Any changes after August 31 initiated by students or parents will require a \$100 per schedule change fee, unless the change is recommended by the student's current teacher, school counselor, and/or the Dean of Academic Life.**

## COURSE WITHDRAWAL

If a student and their family decide to withdraw from a course, no credit will be given for the course. If a student withdraws from a course after September 30 (or after February 28 for a course being offered second semester), a W (withdrawal with an average of 60 or better) will be placed on their transcript. If the average is below a 60 at the time of withdrawal, a WF will appear on the official transcript.

## AUDITING COURSES

Students who choose to audit a course are responsible for meeting the same academic expectations and attendance requirements as students receiving course credit. Report cards and the student's transcript will have the course listed as "AUD" with no grade earned or credit given.

## REQUIREMENTS FOR PROMOTION AND GRADUATION

The State of Connecticut, the Archdiocese of Hartford, and St. Paul Catholic High School have established specific requirements for graduation. These required courses must be taken and successfully completed during specific years before promotion will be granted. Credits must include:

4 credits	Religion
4 credits	English
4 credits	Mathematics
3 credits	Science
3 credits	Social Studies
2 credits	World Language
1.5 credits	Unified Arts
1 credit	Physical Education/Fitness*
0.5 credit	Introduction to Human Biology and Health
60 hours - minimum	Community Service**

\*In place of a traditional Physical Education/Fitness class, students may choose to play and successfully complete the season in two sports in any one school year for a half credit towards their Physical Education requirement for graduation. The maximum credit allowable in any one school year is 0.5, not to exceed 1 total credit towards graduation. Any student choosing to avail themselves of this option must have their Physical Education graduation requirements complete by the end of their junior year. Students must maintain a minimum of 7 credits during the school day. Students may also elect to take Musical Theater Dance I and Musical Theater Dance II for a 0.5 credit each in order to fulfill their Physical Education requirement for graduation.

\*\*The Senior Community Service Program is an opportunity for seniors to tailor their stewardship to their interests and extend their mandatory stewardship for the church and for the community. Students will work one afternoon per week. Certain programs have already been approved by the school. Students may propose their own projects. Generally, two or more seniors must participate in a community site. All participating seniors will write a reflection paper on the experience. The required paper should be submitted to their religion teacher and will be part of their religion class.

In order to be promoted with his/her class, a student must have acquired the following number of credits (including required courses).

Promotion to sophomore year	6
Promotion to junior year	13
Promotion to senior year	20
Graduation	27

During each year students must carry seven or more credits.

Seniors, who are in good standing and have accumulated at least 21 credits going into senior year, may elect to carry 6.5 credits.

Students must pass a minimum of six credits in their senior year in order to graduate with their class.

Students who transfer into St. Paul must meet the requirements of that year and each subsequent year as listed in this Curriculum Guide.

### **GRADING SYSTEM**

A	90-100	W – Withdrawal/Passing
B	80-89	WF – Withdrawal/Failure
C	70-79	X - Exempt
D	60-69	I - Incomplete
F	Below 60	AUD- Audit
P	Pass	

## CLASS RANK AND COURSE LEVELS

A weighted system of grading is used **only** in calculating class rank and for determining eligibility for National Honor Society. Because courses differ in their level of academic challenge, the weighted class rank provides a more accurate representation of a student's academic achievement. Each course offered at St. Paul has been assigned one of the levels below and each course's level is indicated in its course description.

<b>AP, ECE</b>	Advanced Placement & UCONN Early College Experience courses involve the highest degree of selectivity and rigor, and allow students the potential to earn college credit.	<b>factor 1.10</b>
<b>HON</b>	Honors courses involve a higher degree of selectivity, speed, and difficulty of material.	<b>factor 1.05</b>
<b>CP I</b>	College Prep I courses involve an average level of rigor and selectivity.	<b>factor 1.0</b>
<b>CP II</b>	College Prep II courses involve a basic level of rigor and selectivity.	<b>factor 0.95</b>

## NCAA ELIGIBILITY

Any course that has been approved by the N.C.A.A. to be used towards eligibility requirements for participation in college athletics will have one of the following designations next to the course name in the curriculum guide.

- ◆ = 1 credit towards meeting eligibility requirements
- ◆ .5 = ½ credit towards meeting eligibility requirements

**\*Note: The following courses were N.C.A.A. approved for students who took them prior to the 2015-2016 school year and will be honored, but are no longer N.C.A.A. approved beginning with the 2015-2016 school year: *CPII English I, CPII English II, CPII American Literature, CPII English IV, Applied Geometry, CPII Western Civilizations, CPII Biology.***

## HONOR ROLL

First Honors with Distinction	Average 95 - No grade below 87
First Honors	Average 90 - No grade below 85
Second Honors	Average 85 - No grade below 80

Honor Roll is calculated at the end of each academic marking period using the student's unweighted GPA for that particular marking period. Any student who receives an INCOMPLETE or a FAILURE will not be eligible for the Honor Roll for the given quarter. Once an incomplete has been made up, a student will be retroactively placed on the Honor Roll.

## QUALIFICATIONS FOR MAJOR ACADEMIC AWARDS

In order for a senior to qualify for a major academic award (i.e. valedictorian, salutatorian, top 10 senior medal), the student must have been enrolled at St. Paul Catholic High School since the start of their sophomore year. The final GPA used to calculate these awards is the weighted GPA the student has earned by the end of the third academic quarter of their senior year.

## GENERAL INFORMATION

The school reserves the right to cancel elective courses with low enrollment.

### REPEAT CREDIT

Repeat credit is allowed only in Choral Musicianship, Instrumental Studies, and Piano/Electric Guitar.

### CREDIT RECOVERY

In order for students ultimately to graduate with their class, courses that a student fails must be taken over for recovery credit during summer school. Traditionally, St. Paul does not offer summer school classes. A final official grade report(s) must be sent to St. Paul upon completion of the course(s). When a student passes the summer school course(s), the grade in the student's transcript will be changed to a passing grade of a 60, the minimum passing grade allowed in the grading system. Promotion to the next grade will not be granted unless required credits have been accumulated.

### MIDYEAR AND FINAL EXAMINATIONS

All students are required to take an examination in each course at the end of both semesters (January and May/June). Seniors with an average of 90 or above in any course who have completed all requirements for graduation including community service hours are exempted from the final exam in that course. Such exemptions will be announced on the final day of class in each course.

### HONORS LEVEL INSTRUCTION

Honors classes are offered to academically talented students who desire work in greater depth than is offered at the CP level. Students with the highest earned achievement will be allowed into these classes with required teacher and department approval.

### LEVEL CHANGES

All level changes are subject to administration approval and space availability in collaboration with the teacher, department head, school counselor, Dean of Academic Life, and parent. When a student changes a level in a course during the school year, the grades in one level of the course will follow to the new level of the course. (Please refer to the section on schedule changes for assessed fees.)

### ADVANCED PLACEMENT/ UNIVERSITY OF CONNECTICUT EARLY COLLEGE EXPERIENCE (ECE)

Advanced Placement program courses are offered in Art, American Government, American History, Biology, Calculus, Computer Science, English, European History, Latin, Music Theory, Psychology, and Spanish. **All students who take a course with an AP designation will be required to take the Advanced Placement Exam for the course in May. Payment for the AP exam is required in October.** University of Connecticut ECE courses are offered in Physics and Western Civilization. All of these courses offer students the opportunity to obtain college level credit while still in high school.

## PROGRAM OF STUDIES

### Freshmen

1 Credit	Religion I
1 Credit	English I
1 Credit	Mathematics: Algebra I Part I, Algebra I, or Geometry
1 Credit	Biology
0.5 Credit	Physical Education
1 Credit	World Language
0.5 Credit	Digital Literacy and Citizenship
1 Credit	Elective
7 Credits	Total

### Sophomores

1 Credit	Religion II
1 Credit	English II
1 Credit	Mathematics: Algebra I Part II, Geometry or Algebra II
1 Credit	Western Civilization
0.5 Credit	Physical Education
1 Credit	World Language
0.5 Credit	Intro to Human Biology & Health
1 Credit	Elective
7 Credits	Total

### Juniors

1 Credit	Religion III
1 Credit	American Literature or AP English III
1 Credit	Mathematics: Applied Geometry, Algebra II, Pre-Calculus
1 Credit	U. S. History
1 Credit	Elective
1 Credit	Elective
1 Credit	Elective
7 Credits	Total

### Seniors

1 Credit	Religion IV
1 Credit	English IV or AP English IV
1 Credit	Mathematics: Applied Algebra II, Algebra III, Pre-Calculus, Calculus, Hon. Statistics
0.5 Credit	American Government
0.5 Credit	Elective
1 Credit	Elective
1 Credit	Elective
1 Credit	Elective
7 Credits	Total



## STANDARDIZED TESTING

### PLACEMENT TESTING FOR NEW STUDENTS

**High School Placement Test** - Given prior to Grade 9 and to sophomores who transfer into St. Paul

### APTITUDE, INTEREST, AND ACHIEVEMENT TESTS

#### GRADE 9

Do What You Are

October

#### GRADE 10

PSAT

October

#### GRADE 11

PSAT

October

SAT Reasoning

March/May/June

SAT Subject Matter

Early May/June of the year in  
which the course is taken

#### GRADE 12

SAT Reasoning

October

ACT

December

## **THE COLLEGE NOW AND HIGH SCHOOL PARTNERSHIP PROGRAMS**

St. Paul juniors and seniors have the option of taking a course for college credit at one of Connecticut's community colleges through the College Now and High School Partnership Programs or at certain local four-year colleges such as the University of St. Joseph or the University of Hartford.

An interested student must have a minimum 80.0 simple weighted grade average at St. Paul and must first receive written permission from the Dean of Academic Life before pursuing the application process at any of the local colleges. The student must then follow the application process and meet the admission criteria of the college at which he/she hopes to enroll in a course.

If the college course is a subject that St. Paul does not offer, the student will be allowed to take a reduced course load at St. Paul (6 credits) upon proof of enrollment in the college course.

The student will not be granted permission for late arrival or early dismissal in order to schedule a college course during St. Paul's academic day.

After completing the course and upon submission of an official college transcript documenting that the student earned a "C" or better, the Dean of Academic Life will note credit for the course on the student's official St. Paul transcript. However, the St. Paul transcript will not list the grade earned in the college course and that course will not count towards the student's cumulative grade point average at St. Paul.

A junior or senior who wishes to take a college course that is offered at St. Paul may do so, but he/she **will not be eligible** for a reduced course load at St. Paul and **credit will not be noted** on the official St. Paul transcript. Course work that counts towards St. Paul's minimum distribution requirements must be taken at St. Paul even if the student takes a course in that subject through one of the local colleges.

Appeals to this policy must be presented to the Dean of Academic Life at least two weeks in advance of the semester during which the student wishes to take the college-level course.

The following programs are offered off-site on the campuses of the colleges that sponsor the program.

**COLLEGE NOW** is a program offered through the **University of Hartford** that is designed to provide outstanding high school seniors with the opportunity to enroll in one college course per semester on a tuition-free basis. Students who meet the following criteria may apply for this program:

- High school seniors who have exhausted the college preparatory courses in their high school and who are in the top 15% of their class.
- Maintain grades of "A" or "B" consistently their courses throughout high school.
- Achieve a minimum score of 500 on both the verbal and math portions of the SAT or PSAT

Students interested in participating in this program and who meet the requirements listed above, need to see their school counselor to pick up the necessary forms.

The **HIGH SCHOOL PARTNERSHIP PROGRAM** is offered in the fall and spring semesters through **Tunxis Community College** and is open to high school juniors and seniors who have an overall "B" average, are recommended by their school counselor, and have appropriate placement scores. Recommended students are eligible to take one college course per semester, free of charge (not including book fees).

Students may apply through their school counselor. Tunxis Community College sends application information directly to the school counselors during each semester's application cycle.

The **UNIVERSITY OF ST. JOSEPH CHALLENGE PROGRAM** offers tuition-free scholarships for one course to qualified upper-level high school students. Students can enroll in a college course for which they may receive college credit upon successful completion of the semester's work. Applications are available from the Guidance Department. Classes take place in the spring semester each school year.

## **NATIONAL HONOR SOCIETY**

The Saint John XXIII Chapter of the National Honor Society is an important service and leadership organization in the school. Students receive the honor of induction if they have demonstrated the qualities of scholarship, character, leadership, and service throughout their high school careers. Therefore, students are encouraged to strive for this honor beginning on their first day at St. Paul.

Those students who have a weighted career average of 90.0 or higher at the end of the first semester of their sophomore, junior, or senior year are academically eligible for induction in that year. Eligible students will be required to complete an evaluation packet. The packet materials include three essays in which the student describes the ways in which he or she has demonstrated the qualities of character, leadership, and service. Also, requested in the packet are two character references; one should be completed and submitted by a faculty member and one by a responsible adult outside of the school staff.

The names of students who have returned a completed evaluation packet will appear on a confidential memo polling the faculty. The faculty will rate each academically eligible student on character, leadership, and service. Faculty members who give students ratings that might influence the Faculty Council to withhold the honor of induction will be required to write a brief statement of explanation of that rating. The adviser will also distribute a list of academically eligible students to moderators of extra-curricular activities asking them to note any students who are involved in their activity and to note any particularly significant positive or negative aspects of that student's participation. Clearly, because the honor of induction is granted by the school, the school feels strongly that some service must be done in the school. Conversely, students whose service outside the school is so outstanding that members of our community are aware of it and thus it is a positive influence in our community and may receive the honor of induction.

The results of the faculty poll, moderators' reactions, and the evaluation packet will be reviewed by the five-member Faculty Council of the National Honor Society. The Council will then select those students who will be tapped for induction.

Members must maintain the standards for induction, participate in NHS activities, and observe the NHS Constitution and the Chapter Bylaws. Copies of these documents are posted on the St. Paul website. Members failing to meet these obligations are liable for dismissal. Any member who fails to maintain the standards which are the basis of his or her membership shall be promptly warned. After the warning, if the member fails to meet the standards used as the basis for his or her membership, his or her case will go before the Faculty Council. The Council may impose conditions for probation or dismiss the member. The president or deans are the only avenue of appeal to decisions of the Council. Once a member is dismissed, he or she is never again eligible for membership in the National Honor Society.

## COURSE DESCRIPTIONS

### RELIGION DEPARTMENT

The Religion Department of St. Paul Catholic High School subscribes to the following statement of philosophy and objectives instituted by the National Conference of Catholic Bishops and expressed in their Pastoral Message on Catholic Education, *To Teach as Jesus Did*. “Educational programs for the young must strive to teach doctrine, to do so within the experience of the Christian community, and to prepare individuals for effective Christian witness and service to others. In doing this they help foster the individual’s growth in personal holiness and their relationship with Christ.”<sup>2</sup> Christian education at St. Paul Catholic High School will best be realized by programs that create the widest opportunities for students to receive systematic catechesis, experience daily living in a faith community, and develop commitment and skill in serving others.

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#### RELIGION I (011)

1 Credit

Level: CPI

##### *Old Testament*

The purpose of this course is to give an overview of Sacred Scripture with an introduction to the basic principles for understanding and interpreting the Bible. The unity of the narrative of the divine plan of salvation, the presence of God’s action in this record of his Revelation, and his desire to share his merciful love with us will be covered. This includes an in-depth look at The Pentateuch, Joshua and the Era of Judges, Historical Books, Wisdom Books, and the Prophets.

##### *New Testament*

The Old Testament comes to fulfillment in the New Testament, specifically studied in the person of Jesus Christ. It is the culmination of covenant history, the Good News of God’s promise to save His people through Jesus. Emphasis is placed on the life, teachings, works, passion, death, and resurrection of Jesus. Students will study this not only for a deeper understanding but also as an opportunity to grow in their relationship with Jesus. Mary is included as the perfect model of faith as she responded most fully to God’s invitation. As well, students will explore the missionary activity of the early Church in the Acts of the Apostles, the wisdom of St. Paul and the Letters of the New Testament, and the anticipation of the Heavenly Banquet in John’s Book of Revelation.

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#### RELIGION II (021)

1 Credit

Level: CPI

##### *History of the Catholic Church*

The purpose of this course is to supply the students with a general knowledge of the Church’s history from apostolic times to the present. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by Him throughout history through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today and, as such, has both Divine and human elements. In this course, students will learn about the Church’s 2000 years of history and about how the Church is led and governed by the successors of the Apostles.

##### *Living as a Disciple of Jesus Christ in Society*

Students will be introduced to the Church’s social teachings and learn how Christ’s concern for others, especially the poor and needy, is present today in the Church’s social teaching and mission.

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<sup>2</sup> *To Teach as Jesus Did*, no. 82

**RELIGION III (031)****1 Credit****Level: CPI**

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*Responding to the Call of Jesus Christ*

The purpose of this course is to help students to understand the vocations of life: how Christ calls us to live. In this course students will learn how all vocations are similar and how they differ. The course will be structured around married life, single life, priestly life, and consecrated life. Students will learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

*St. Paul, Our Patron*

The purpose of this course is to provide students with a deeper examination of the historical context of Paul of Tarsus, his life, his call and conversion, his three great missionary journeys, and his humble and zealous charism to proclaim the Good News of Jesus Christ. A thorough examination of St. Paul's epistles will be a major focus. Our patron, Saint Paul, is acclaimed by Scripture scholars to be one of the most important and influential writers and figures of history. The message of St. Paul is timeless. As "Apostle to the Gentiles" and "Teacher of All Nations", he met the needs of each person and community he encountered. His desire was to "become all things to all" so that he could win souls for Christ (I Corinthians 9:22). As a man of deep conversion from murderous hatred for Christians to love and a pastor of souls, he is a model for our time.

**RELIGION IV (041)****1Credit****Level: CPI**

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*Christian Morality and Conscience Formation*

Through this course, students will reflect upon and learn to cherish their dignity and that of other persons and reflect faithfully that image in a life conformed to new life in Christ. The importance of frequent prayer and the sacraments, especially the Sacrament of Penance and Reconciliation and the Sacrament of the Eucharist will be stressed. Students will study the meaning of living chastely either as a married or celibate person.

*Ecumenical and Interreligious Issues*

The purpose of this course is to help the students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted to her the fullness of God's Revelation, the course is intended to help students to recognize the ways in which important spiritual truths can also be found in non-Catholic Christian churches and ecclesial communities as well as in non-Christian religions. It is also intended to help them to recognize the ways in which other systems of belief and practice differ from the Catholic faith.

## ENGLISH DEPARTMENT

Through the study of language arts, our students develop the intellectual, social, moral, and spiritual qualities necessary to serve their school, parish and civic communities, to think critically, to be productive, to grow spiritually, and to make moral decisions. In the 21<sup>st</sup> century, students need basic language skills to access and understand information, evaluate its quality, and convey ideas to others. Thus, language arts are the building blocks of all learning, both in school and throughout life.

Through literature and writing, we learn to bridge the gaps that separate us from others. We analyze, synthesize, and create our own original thought. We become active participants through collaboration and communication as we study literature and see the universality in human experience within the diversity of its many cultures. Literature enriches and extends our experiences beyond the limits of time and place, and thus helps us to create a peaceful life in a global village. Writing helps to connect and synthesize those experiences as we apply them to new and creative endeavors.

The English Department offers a writing lab to assist students in the writing process, as they prepare essays and research papers in all areas of the curriculum.

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### **FRESHMAN STUDY SKILLS (101)**

**1/2 Credit**

**Level: CP II**

This course is designed to help students succeed in high school by emphasizing techniques that encourage understanding and retention of course material. Topics include establishing a proper study environment, listening skills, time management, note-taking, reading a textbook, the necessary skills for taking quizzes and tests, and ways to draw on personal and environmental resources for academic success. Scores on the entrance exam, report card grades, and teacher recommendations will form the basis for those students who will be required to take this course.

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### **HONORS ENGLISH I (111) ♦**

**1 Credit**

**Level: HON**

This course will focus on the development of analytical and evaluative skills through readings from primary sources, journal articles and other supplementary materials. Works in fiction, nonfiction, poetry, and drama will be studied. Students will engage in high level critical thinking and learning through discussion, writing, collaborative projects and research. Students will have the opportunity to develop research skills and to produce both critical essays and a research paper. Emphasis will be placed on the five steps of the writing process and the revision stage. Students will have instruction in both grammar and MLA conventions to improve writing.

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### **ENGLISH I (112) ♦**

**1 Credit**

**Level: CPI**

This course is designed to develop the writing skills of students through journal, online, and formal essay development. Students will learn and implement the five steps of the writing process with a particular emphasis on the revision stage. Through the reading of instructional and student models, students will learn to write and to review written materials. Students will also learn to develop literature response essays to support interpretation and analysis. Written assignments will include lessons in grammar, punctuation, and MLA conventions to improve writing. Students will also begin to learn skills for researching and developing argumentative essays.

**HONORS ENGLISH II (121) ♦****1 Credit****Level: HON**

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Honors English II is an extension of Honors English I. Students will continue to appreciate the utility, beauty, and power of the written word. Studies will focus on fiction, non-fiction, drama, essays and poetry. Students will compose several academic essays in which a thesis is adequately formulated and developed. Connections will be made between the text they are reading, outside sources, and their own experiences and observations. Students will have practice in revising for structure, content, style, and usage. Students will understand that writing, particularly as writing intersects with reading, is a prominent mode of academic inquiry as well as expression. Students will also prepare for taking the SAT examination in their junior year.

**ENGLISH II (122) ♦****1 Credit****Level: CPI**

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English II will continue to build on the foundation set in English I. Students will continue to study works in fiction, non-fiction, poetry and drama. Students will develop and utilize skills to improve oral and written communication by writing essay and paragraph length assignments designed to improve their understanding of literature. Students will be expected to follow the rudiments of MLA parenthetical documentation. In addition to composition, students will respond to literature through inquiry, study, and classroom discussion. Students will prepare for the SAT examination taken in their junior year.

**AP ENGLISH III: LANGUAGE AND COMPOSITION (130) ♦****1 Credit****Level: AP**

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This Advance Placement course will analyze a broad and challenging range of nonfiction prose selections, deepening the students' awareness of rhetoric and how language works. Through close reading and frequent writing, students will develop their ability to work with language and text with a greater awareness of purpose and strategy while strengthening their own composing abilities. Course readings feature expository, analytical, personal, and argumentative texts from a variety of authors and historical contexts. Students will examine and work with essays, letters, speeches, images, and imaginative literature. Course reading and writing activities should help students gain textual power, making them more alert to an author's purpose, the needs of an audience, the demands of the subject, and the resources of language: syntax, word choice, and tone.

**All students enrolled in the course will be required to take the AP English: Language and Composition exam in May.**

**HONORS AMERICAN LITERATURE (131) ♦****1 Credit****Level: HON**

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This course will allow students to study the literature of the United States from the Age of European Exploration to the Modern Era. Emphasis will be on reading, writing and independent research skills so that students can analyze and evaluate the nation's literature. Students will complete a number of thesis papers to demonstrate mastery of honors level material. Beyond the textbooks, students will read supplemental novels and other sources. The curriculum will include preparation for the SAT examination through the study of passage-based reading, vocabulary, and test-taking strategies.

**AMERICAN LITERATURE (132) ♦****1 Credit****Level: CPI**

Juniors will study the culture of the United States from the Age of Exploration to the Modern Era. Instruction will be based on reading, writing, and independent research skills. Beyond the textbooks, students will read supplemental novels and other sources and report in a series of formal essays. Emphasis will be placed on organization, style, and mechanics in academic writing. The curriculum will include preparation for the SAT examination through the study of passage-based reading, vocabulary, and test-taking strategies.

**AP ENGLISH IV: LITERATURE AND COMPOSITION (141) ♦****1 Credit****Level: AP**

This advanced placement course will be offered to qualified seniors in preparation for The College Board Advanced Placement Literature and Composition Exam. The focus will be on reading high-level literature and writing critically in response to those pieces. Emphasis will be on the formalist approach to literature as recommended by The College Board. A wide range of authors will be read throughout the academic year.

**All students enrolled in the course will be required to take the AP English: Literature and Composition exam in May.**

**ENGLISH IV (142) ♦****1 Credit****Level: CPI**

This course includes an in-depth study of the different genres of literature with an emphasis on British literature. Students will write actively and critically about literature. Through systematic and extensive reading and the research experience, students will improve their interpretive literary skills. Students will be exposed to the writing typically found in college classes as a way of preparing them for the college experience.

**HONORS ENGLISH IV (144) ♦****1 Credit****Level: HON**

This course surveys the different genres of literature with an emphasis on British literature. Students will write actively and critically about literature. The issues raised by the readings help students to link their personal experiences with broader cultural perspectives, and students begin to recognize that they are not academic outsiders; they do have knowledge, assumptions, and intellectual frameworks that give them authority in academic culture.

**CREATIVE WRITING (148) ♦.5****1/2 Credit****Level: CPI**

This course will involve analyzing the literary conventions and writing techniques used by various authors in several different genres of creative writing. In addition, students will create their own short stories and take part in the editing and revising process. As part of the creative process, students will evaluate and critique the works of others in the classroom. Daily writing prompts and creative writing exercises will also be incorporated within the course.

**Grade: 11, 12**



**CONTEMPORARY FICTION (149) ♦.5****1/2 Credit**

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**Level: CP I**

This course is designed to help students read, understand, and enjoy contemporary fiction. Students will make connections between situations in contemporary fiction and current trends to better understand the relationship between fiction and the contemporary world. Students will read both short stories and novels to improve critical thinking and writing skills.

**Grade: 11, 12**

## WORLD LANGUAGES DEPARTMENT

The World Languages Department follows the National Standards for Foreign Language Education. The curriculum provides continued development of the four language skills: speaking, reading, writing, and listening, along with the study of cultures in the Spanish, French and Italian speaking worlds.

Students will engage in conversation, understand and interpret written and spoken language on a variety of topics. They will also present information, concepts and ideas in the target language. Students will demonstrate an understanding of the culture being studied and make comparisons to their own. At the conclusion of each course, students will be required to complete a cumulative language oral expression exam to demonstrate proficiency and fluency of the concepts learned.

The Latin curriculum provides students with the skills of reading and translating Latin prose and poetry. Moreover, the Latin courses develop students' abilities to analyze and appreciate Latin literature. Students also learn important aspects of Roman history and culture so that they may understand the past more fully and compare the Romans' way of life with their own.

All new international students attending St. Paul will be enrolled in the ELL (English Language Learner) program for one or two semesters.

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### **LATIN I (211) ♦**

**1 Credit**

**Level: CPI**

Latin I is a full-year course designed to introduce students to the Latin language, including vocabulary and basic grammar. Latin I equips students with the basic skills for reading and translating Latin poetry and prose. Latin I will also introduce students to the culture, literature, history, and mythology of the Romans. In addition, students will take the National Latin Exam.

**Grades: 9, 10, 11**

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### **LATIN II (212) ♦**

**1 Credit**

**Level: CPI**

Latin II is a full-year course designed to complete the basic vocabulary and grammar of the Latin language. Latin II leads students to greater proficiency in reading and translating Latin poetry and prose. Latin II will also extend the students' understanding of the culture, literature, history, and mythology of the ancient Greeks and Romans. In addition, students will take the National Latin Exam.

**Grades: 9, 10, 11, 12** (Grade 9 students with a junior high school background in Latin are permitted to take Latin II with the department recommendation and an acceptable grade on the language placement test given by St. Paul.)

**LATIN III (213) ♦****1 Credit****Level: CPI**

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Latin III is a full-year course designed to acquaint students with more complicated aspects of the Latin language, and to build students' skills in the reading and translation of Latin poetry and prose, with an emphasis on Caesar and Vergil. Accordingly, Latin III consists of two phases: the initial phase and the main phase. In the initial phase of the course, students complete their knowledge of the rules of Latin grammar. In the main phase of the course, students read passages from Caesar, the Gospels, and Vergil. Latin III will also emphasize those aspects of Greek and Roman culture, literature, history, and mythology that provide for an appreciation of the works of Caesar and Vergil. In addition, students will take the National Latin Exam.

**Grades: 10, 11, 12****Prerequisites: Minimum 75 average in Latin II (212) and permission of the Department Head.****HONORS LATIN IV (214) ♦****1 Credit**

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**Level: HON**

Latin IV Honors is a full-year course designed to continue the student's love and learning of the Latin language. Students will read and translate Latin selections from Caesar's Gallic Wars and Vergil's Aeneid to the sum of approximately 1,200 lines. Students will analyze passages with respect to content, themes, historical background, and literary artistry. In addition, students will take the National Latin Exam.

**Grades: 11, 12****Prerequisites: Minimum average of 85 in Latin III (213) and permission of the Department Head.****AP LATIN (219) ♦****1 Credit**

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**Level: AP**

AP Latin focuses on the in-depth study of selections from two of the greatest works in Latin literature: Vergil's Aeneid and Caesar's Gallic War. The course requires students to prepare and translate readings from Gallic War 1, 4, 5, and 6 and Aeneid 1, 2, 4, and 6. It also requires students to place these texts in a meaningful context, which helps develop critical, historical, and literary sensitivities. Throughout the course, students consider themes in the context of ancient literature and bring these works to life through classroom discussions and debates. Additional English readings from both of these works help place the Latin readings in a significant context.

**All students enrolled in the course will be required to take the AP Latin exam in May.****Grades: 11, 12****Prerequisites: Minimum 88 average in Latin III (213) and permission of the Department Head.**

**FRENCH I (221) ♦****1 Credit****Level: CPI**

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This course begins students' exploration of the French language through practice in the 4 modalities of language: reading, listening, speaking and writing that lead to effective interpersonal, presentational, and interpretive communication. The sounds, vocabulary, grammar and syntax of the French language are introduced and practiced to provide students with a strong foundation upon which to build their proficiency in the French language. Students will apply their knowledge to culture, literature and arts as they are immersed in and reflect upon *la Francophonie*, the French speaking world. Comparisons to students' native cultures will be encouraged as a means of promoting global awareness and tolerance. Skills acquired in French 1 are essential to students' future successes in French 2 through French 5.

**Grades: 9, 10, 11****FRENCH II (222) ♦****1 Credit****Level: CPI**

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This course continues students' exploration of the French language through practice in the four modalities of language: reading, listening, speaking and writing that lead to effective interpersonal, presentational, and interpretive communication. The sounds, vocabulary, grammar and syntax of the French language are reinforced and practiced to continue building a strong foundation upon which to build proficiency in the French. Students will apply their knowledge to culture, literature and arts as they are immersed in and reflect upon *la Francophonie*, the French speaking world. Comparisons to students' native cultures will be encouraged as a means of promoting global awareness and tolerance.

**Grades: 9, 10, 11, 12** (Grade 9 students with a junior high school background in French are permitted to take French II with a department recommendation and an acceptable grade on the language placement test given by St. Paul.)

**FRENCH III (223) ♦****1 Credit****Level: CPI**

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This course continues to refine students' knowledge in, and proficiency of, the French language through practice in the four modalities of language: reading, listening, speaking and writing that lead to effective interpersonal, presentational, and interpretive communication. The sounds, vocabulary, grammar and syntax of the French language are reinforced and practiced to continue building a strong foundation upon which to build proficiency in the French. Students will apply their knowledge to culture, literature and arts as they are immersed in and reflect upon *la Francophonie*, the French speaking world. Comparisons to students' native cultures will be encouraged as a means of promoting global awareness and tolerance. Additional practice in reading comprehension will be achieved through the use of a novel chosen each year.

**Grades: 10, 11, 12****Prerequisites: Minimum 75 average in French II (222) and permission of the Department Head.**

**HONORS FRENCH IV (224) ♦****1 Credit****Level: HON**

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This course continues to refine students' knowledge in, and proficiency of, the French language through practice in the four modalities of language: reading, listening, speaking and writing that lead to effective interpersonal, presentational, and interpretive communication. Emphasis will be placed on presentational and interpersonal speaking through the use of oral practice focused on developing proficiency in the use of idiom, and the specific conventions associated with formal and informal French. Presentational and interpersonal writing will be practiced and refined. Students will expand writing formally from paragraphs to essays that demonstrate knowledge of the French culture and issues important to la vie francophone. Interpersonal writing will lead to proficiency in meaningful communication via email, blogs and discussion posts. Interpretive reading will include the use of longer texts, essays, and editorials on the family and contemporary life, science and technology and esthetics. The themes and writing of these texts will serve as models for the structures students will use in the creation of their own French written text.

**Grades: 11, 12****Prerequisites: Minimum 85 average in French III (223) and permission of the Department Head.****HONORS FRENCH V (225) ♦****1 Credit****Level: HON**

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This course continues to refine students' knowledge in, and proficiency of, the French language through practice in the four modalities of language: reading, listening, speaking and writing that lead to effective interpersonal, presentational, and interpretive communication. Building on the oral and written practice acquired in Honors French IV, students will read, write, and speak extensively in the French language for the purpose of preparing for use of the French language in their lives beyond high school. Continued emphasis will be placed on cultural comparisons and the formulation and expression of opinions on topics important to la vie francophone in the 21st century.

**Grade: 12****Prerequisites: Minimum 88 average in Honors French IV (224) and permission of the Department Head.****SPANISH I (231) ♦****1 Credit****Level: CPI**

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This course introduces students to the Spanish language and its culture. The course is based on language acquisition through the development of basic communications skills in the target language. The course focuses on students' basic sounds, builds vocabulary, and establishes grammatical context while employing the four basic language skills of speaking, listening, reading, and writing. Various teaching methods are used to facilitate this. By the end of this course, students should be able to: carry on a basic conversation, follow more complex conversation, read simple text, and write short compositions about themselves and aspects of their life. Students are expected to incorporate the use of the language lab and the online learning platform, E-Campus, as part of the curriculum. Most of the course will be conducted in Spanish. In addition, students will take the National Spanish Exam.

**Grades: 9, 10, 11**

**SPANISH II (232) ♦****1 Credit****Level: CPI**

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This course is a continuation of Spanish I through an increase in vocabulary and more advanced grammar structure. Students have the opportunity to continue language improvement by practicing the sounds, building their vocabulary and establishing grammatical context while employing the four basic language skills of speaking, listening, reading and writing. Students will broaden their foundation of the Spanish language as they examine Spanish-speaking cultures, their social practices and connections between language and Spanish-speaking countries. Students are expected to incorporate the use of the language lab and the online learning platform, E-Campus, as part of the curriculum. Most of the course will be conducted in Spanish. In addition, students will take the National Spanish Exam.

**Grades: 9, 10, 11, 12** (Grade 9 students with a junior high school background in Spanish are permitted to take Spanish II with a department recommendation and an acceptable grade on the language placement test given by St. Paul.)

**SPANISH III (233) ♦****1 Credit****Level: CPI**

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This course concentrates on grammar, conversation, and composition work. It continues the development of vocabulary and grammar learned in Spanish II. Emphasis is placed on oral and written communication on topics of interest to the individual student. The student will participate in class discussions and conversations related to topics read, heard or discussed in Spanish. Students will develop their writing skills; will be able to read longer Spanish selections and express orally their opinions on related topics. Students are expected to complete many individual or group oral assessments, as well as write short and long compositions in Spanish. Students are expected to incorporate the use of the language lab and the online learning platform, E-Campus, as part of the curriculum. Most of the course will be conducted in Spanish. In addition, students will take the National Spanish Exam.

**Grades: 10, 11, 12**

**Prerequisites: Minimum 75 Average in Spanish II (232) and permission of the Department Head.**

**HONORS SPANISH IV (234) ♦****1 Credit****Level: HON**

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This course concentrates on grammar, conversation, and composition work. It continues the development of vocabulary and grammar learned in three years of Spanish. Emphasis is placed on oral and written communication on topics of interest to the individual student. The student will participate in class discussions and conversations related to topics read, heard or discussed in Spanish. Students will continue to develop their writing and reading skills and express orally their opinions on related topics. Students are expected to complete many individual or group oral assessments, as well as write short and long compositions in Spanish.

Students are expected to incorporate the use of the language lab and the online learning platform, E-Campus, as part of the curriculum. The majority of the course will be conducted in Spanish. In addition, students will take the National Spanish Exam.

**Grades: 11, 12**

**Prerequisites: Minimum 85 average in Spanish III (233) and permission of the Department Head.**

**AP SPANISH: LANGUAGE & CULTURE (236) ♦****1 Credit****Level: AP**

The AP Spanish Language and Culture course is a rigorous course taught exclusively in Spanish that requires students to improve their proficiency across the four modes of communication. The course focuses on the integration of authentic resources including online print, audio, and audiovisual resources, as well as traditional print resources that include literature, essays, and magazine and newspaper articles with the goal of providing a rich, diverse learning experience. Students communicate using rich, advanced vocabulary and linguistic structures as they build proficiency in all modes of communication toward the pre-advanced level. In addition, students will take the National Spanish Exam.

**All students enrolled in the course will be required to take the AP Spanish Language & Culture exam in May.**

**Grade: 12****Prerequisites: Minimum 88 average in Honors Spanish IV (234) and permission of the Department Head.****INTRODUCTION TO ITALIAN (261) ♦****1 Credit****Level: CPI**

This course presents an introduction to Italian through the four language skills: listening, speaking, reading, and writing. The development of basic grammatical concepts and syntax is emphasized. Reading and writing skills are developed after basic pronunciation has been practiced sufficiently and reinforced. Listening and speaking skills are practiced and tested through use of the language lab.

**Grades: 9, 12****ITALIAN II (262) ♦****1 Credit****Level: CPI**

This course is designed to prepare students for communicative-based language instruction. By engaging in meaningful, motivating, and challenging activities, students will continue to develop their ability to understand language, use it in conversation, interpret spoken and written information while making connections with other disciplines and learning about culture, products, practices and perspectives.

**Grade: 9, 10****Prerequisite: Introduction to Italian (261)**

**ITALIAN III (263) ♦****1 Credit****Level: CPI**

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This course is an intermediate language course designed to broaden students' grammatical and auditory knowledge of the language and to encourage an appreciation of it as a communicative instrument and a means of understanding cultural differences. Emphasis is placed on the use of the language for oral proficiency, in addition to refining and building upon previously learned reading and writing skills. Students will expand their grammatical basis, further develop listening and conversational skills, and read excerpts from published Italian literary works. The course will continue to develop students' appreciation of Italian culture through its history, opera, popular music, literature, and current events.

**Grades: 10, 11, 12****Prerequisites: Minimum 75 average in Italian II (262) and permission of the Department Head.****ELL I (251)****1/2 Credit****Level: CPI**

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This course is tailored to meet the particular needs of all international students new to the United States who enroll at St. Paul. Through this course, students develop and improve their reading, writing, listening, and speaking skills through conversation, idioms, practical grammar, listening and reading comprehension exercises as well as basic writing projects. A top priority in this class is to immerse the students in American culture, academic and everyday reality by creating a comfortable and welcoming atmosphere in the classroom where students are not afraid to take a risk and communicate in English.

**Grades: 9, 10, 11****ELL II (252)****1/2 Credit****Level: CPI**

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This course is tailored to meet the particular needs of international students with an intermediate knowledge and experience with the English language. Students continue to develop, improve upon and practice their reading, writing, listening, and speaking skills through increasingly difficult assignments and exercises. A top priority in this class is to immerse the students in American culture, academic and everyday reality by creating a comfortable and welcoming atmosphere in the classroom where students are not afraid to take a risk and communicate in English.

**Grades: 9, 10, 11****Prerequisite: ELL I (251)**



## MATHEMATICS DEPARTMENT

The Mathematics Department provides a college preparatory program of study that promotes critical thinking, problem solving, and logical reasoning skills. A blend of traditional and technological practices is employed to expose students to the practical and conceptual components of mathematics.

It is our goal that students have the skills necessary for successful completion of future college-level mathematics courses that they may wish to pursue. We also strive to expose students to a rich variety of problem-solving techniques and strategies that illustrate how mathematics can be used in everyday life and how it relates to other disciplines. Our expectation is to develop a sense of interest and curiosity that will encourage students to become lifelong learners of mathematics. MATHXL is a powerful online tool that is utilized for homework, assessments, and tutoring throughout the math course offerings at St. Paul. It provides immediate feedback for students and helps them gain better understanding through interactive learning aids. **A Texas Instruments 83 Plus or 84 graphing calculator is required for all courses.**

### **HONORS ALGEBRA I (411) ♦**

**1 Credit**

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**Level: HON**

This course covers standard topics in Algebra I in-depth. The skills of a standard algebra course are taught within an integrated context involving applications, geometry, statistics, data analysis, etc. Particular stress is given to manipulation of variable expressions, the concepts of relation and function, and the analytical geometry of linear functions. Additional topics include quadratic functions, polynomials, exponential functions, radical equations, and rational functions. The course moves at a very rapid pace, and students must be able to assume significant responsibility for their learning.

**Grade: 9**

### **ALGEBRA I (412) ♦**

**1 Credit**

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**Level: CPI**

Algebra I is a college preparatory course for students with a strong foundation in Pre-Algebra. The skills of a standard algebra course are taught within an integrated context involving applications, geometry, statistics, data analysis, etc. Particular stress is given to manipulation of variable expressions, the concepts of relation and function, and the analytical geometry of linear functions. Additional topics include quadratic functions, polynomials, exponential functions, radical equations, and rational functions.

**Grade: 9**

### **ALGEBRA I, PART I (414) ♦.5**

**1 Credit**

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**Level: CP II**

Algebra I, Part I is the first course in a sequence designed to enable students who find mathematics challenging to cover all the math topics required for college admission. This course will include as major topics: the tools of algebra, linear equations and inequalities, linear functions, graphs, and systems of linear equations and inequalities. Evaluation in this course will be based on homework, participation, quizzes, tests, and projects.

**Grade: 9**

**ALGEBRA I, PART II (415) ♦.5****1 Credit****Level: CP II**

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Algebra I, Part II is the second course in a sequence designed to enable students who find mathematics challenging to cover all the math topics required for college admission. This course will begin with a review of the topics covered in Algebra I, Part I. Additional topics will be: quadratic functions, polynomials, exponential functions, radical equations, and rational functions. Some course time will be devoted to preparation for the SAT. Evaluations in this course will be based on homework, participation, quizzes, tests, and projects.

**Grade: 10****HONORS GEOMETRY (421) ♦****1 Credit**

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**Level: HON**

This is a rigorous course with high expectations for students with high aptitude and motivation. The standard geometric concepts of angle relationships, similarity, congruence, area, volume, properties of circles, and transformations are presented. They allow for a visual component to the students' introduction to proofs and the logical structure of mathematics. Honors Geometry students will be expected to write complicated two-column proofs. Many of the geometric problems also integrate algebraic skills and concepts covered in Algebra I. Lab work involving compass and straightedge constructions and The Geometer's Sketchpad will be a part of the course. The textbook includes sections intended to prepare students for multiple-choice testing on standardized exams such as the PSAT and SAT.

**Grades: 9, 10**

**Prerequisite: Honors Algebra I (411)** Grade 9 students with a junior high school background in Algebra I are permitted to take Honors Geometry with a department recommendation and an acceptable performance on the Archdiocesan Algebra I End of Course exam.

**GEOMETRY (422) ♦****1 Credit**

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**Level CP I**

Geometry is a standard college preparatory course. The topics covered in this course are the geometry concepts of angle relationships, parallel and perpendicular lines, applications of geometric theorems and postulates through problems and simple two-column proofs, congruence, polygons, triangles and the Pythagorean Theorem, area, surface area, volume, properties of circles, similarity, and trigonometry. Many of the geometric problems also integrate algebraic skills and concepts covered in Algebra I. Lab work involving basic compass and straightedge constructions and The Geometer's Sketchpad will be a part of this course. The textbook includes sections intended to prepare students for multiple-choice testing on standardized exams such as the PSAT and SAT.

**Grades: 9, 10**

**Prerequisite: Algebra I (412)** Grade 9 students with a junior high school background in Algebra I are permitted to take Honors Geometry with a department recommendation and an acceptable performance on the Archdiocesan Algebra I End of Course exam.

**APPLIED GEOMETRY (423)****1 Credit****Level: CP II**

Applied Geometry is the third course in a sequence designed to enable students, who find mathematics challenging, to cover all the math topics required for college admission. The topics covered in this course are the geometric concepts of measurement, angle relationships, parallel and perpendicular lines, polygons, the Pythagorean Theorem, area, congruence, and similarity, surface area, and volume. Many of the geometric problems also integrate algebraic skills and concepts covered in Algebra I Part 1 and Part 2. Lab work involving basic compass and straightedge constructions and The Geometer's Sketchpad will be a part of this course. The textbook includes sections intended to prepare students for multiple-choice testing on standardized exams such as the PSAT and SAT.

**Grades: 10, 11****Prerequisite: Algebra I (412) or Algebra I, Part II (415)****HONORS ALGEBRA II (431) ♦****1 Credit****Level: HON**

This course builds upon the foundations established in Algebra I. The main topics covered are: quadratic, exponential and logarithmic functions, arithmetic sequences and series, as well as conic sections. Applications in statistics, data analysis, and geometry will continue to be integrated into the material. Application of computer software will supplement traditional seatwork and will be a part of the learning and assessment of some topics. Honors Algebra II students will be required to solve problems that call on them to reach beyond the problems covered specifically in the textbook. The textbook includes sections intended to prepare students for multiple-choice testing on standardized exams such as the PSAT and SAT.

**Grades: 10, 11****Prerequisite: Honors Geometry (421) or permission of the Department Head****ALGEBRA II (432) ♦****1 Credit****Level: CPI**

This is a standard second-year algebra course. A review of the topics covered in Algebra I is supplemented with extensive work with quadratic functions, polynomial functions, and introductions to exponential and logarithmic functions. Applications in statistics, data analysis, and geometry continue to be integrated into the material. The textbook includes sections intended to prepare students for multiple-choice testing on standardized exams such as the PSAT and SAT.

**Grade: 10, 11****Prerequisite: Geometry (422)****APPLIED ALGEBRA II (433)****1 Credit****Level: CP II**

Applied Algebra II has the same objectives as Algebra II, but the level of complexity and abstraction is not as high. An integrated approach will be used and manipulation of variable expressions and concepts of function and relation will form the core of the course.

**Grade: 11, 12**

**HONORS PRE-CALCULUS (441) ♦**

**1 Credit**

**Level: HON**

This course is designed to complete a student's preparation for Calculus. The standard pre-calculus topics of: relation and function, polynomial and rational functions, the analytical geometry of conics, exponential and logarithmic functions, trigonometry, and sequences and series are all covered. These concepts are used in applications throughout the course.

**Grades: 11, 12**

**Prerequisite: Honors Algebra II (431) or permission of the Department Head**

**PRE-CALCULUS (442) ♦**

**1 Credit**

**Level: CPI**

The topics of: relation and function, polynomial and rational functions, the analytical geometry of conics, exponential and logarithmic functions, trigonometry, and sequences and series are all covered, but not to the same depth or rigor as Honors Pre-Calculus. There is a strong emphasis on the use of the graphing calculator in all types of problem solving. The core material covered in the course prepares a competent student for calculus.

**Grades: 11, 12**

**Prerequisite: Algebra II (432) or permission of the Department Head**

**ALGEBRA III (444) ♦**

**1 Credit**

**Level: CPI**

This course is designed to improve the student's mathematical foundation in preparation for a rigorous college experience. Students will reinforce skills and concepts from previous courses while being exposed to a variety of advanced mathematical concepts. These concepts include radical expressions and functions, graphing radical expressions, inverse functions, logarithmic functions, inverse variation, rational functions and their graphs, and solving rational equations.

**Grade: 12**

**Prerequisite: Algebra II (432) or permission of the Department Head**

**AP CALCULUS AB (451) ♦****1 Credit****Level: AP**

This course is primarily concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations also are important. Broad concepts and widely applicable methods are emphasized. The focus of the courses is neither manipulation nor memorization of an extensive taxonomy of functions, curves, theorems, or problem types. The basic approach includes independent study and standard lecture periods. The course is very rigorous and is intended for accelerated students.

**All students enrolled in the course will be required to take the AP Calculus AB exam in May.**

**Grade: 12**

**Prerequisites: 87 or higher in Honors Pre-calculus (441) or 92 or higher in CP Pre-calculus (442) or SAT of 600 in Math or Combined SAT of 1100 – Critical Reading and Mathematics**

**HONORS CALCULUS (452) ♦****1 Credit****Level: HON**

This course covers differential and integral calculus of functions of one variable. The basic approach includes independent study and standard lecture periods. The course is rigorous and is intended for accelerated students.

**Grade: 12**

**Prerequisite: 82 or higher in Honors Pre-Calculus (441)  
87 or higher in CP Pre-Calculus (442)**

**HONORS STATISTICS (474) ♦****1 Credit****Level: HON**

Honors Statistics is for students who have successfully completed two years of Algebra at the honors level. This course covers data analysis, elementary probability theory, distributions, estimation, regression, correlation, and statistical inference. The course will focus on applications, problem solving, and interpretation with calculations on the computer or graphing calculator. Both individual and group project work will be a significant part of the course. The course moves at a very rapid pace, and students must be able to assume significant responsibility for their learning.

**Grade: 12**

**Prerequisite: Honors Algebra II (431) or permission of the Department Head**

## SCIENCE DEPARTMENT

The St. Paul science curriculum is designed to expose students to the basic knowledge of science and its processes. Students will learn to appreciate the wonder of the universe, analyze the problems presented by life, and develop appropriate and morally responsible solutions to those problems. The scientific method is fostered in the cooperative laboratory experiences, which are an integral part of the courses that are offered. St. Paul offers levels of placement in many courses. This leveling is done to maximize success in required or recommended course work. All students must take Biology in Grade 9 and Introduction to Human Biology and Health in Grade 10. Three credits in science plus a ½ credit in health are required for graduation. Students interested in pursuing a science-related field of study in college are urged to take four full years of science courses.

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### **INTRODUCTION TO HUMAN BIOLOGY AND HEALTH (514)**

**1/2 Credit**

**Level: CPI**

Introduction to Human Biology and Health emphasizes the structure and function of the human body. Topics covered in this course include: nutrition, systemic diseases, substance abuse, and infectious diseases. This course also investigates the importance of well-being and responsible decision-making about personal health. This course meets the graduation requirement for health.

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### **HONORS BIOLOGY (521) ♦**

**1 Credit**

**Level: HON**

Honors Biology is a comprehensive course that provides in-depth knowledge of biological theory and the critical thinking and reasoning skills that will be the foundation for further study. All major concepts of Biology including cells, growth, reproduction, heredity, metabolic processes, classification, genetics, microbiology, basic zoology, and current topics in life sciences are studied as they apply to organisms. Laboratory work will play an integral part of the learning experience. This course is designed specifically for students with superior independent academic ability and work ethic.

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### **BIOLOGY (522) ♦**

**1 Credit**

**Level: CPI**

Biology is a comprehensive course that provides in-depth knowledge of biological theory and the critical thinking and reasoning skills that will be the foundation for further study, but it is paced so that students have a greater opportunity to master topics introduced in class and increase their knowledge of the content. All major concepts of Biology including cells, growth, reproduction, heredity, metabolic processes, classification, genetics, microbiology, basic zoology, and current topics in life sciences are studied as they apply to organisms. Laboratory work will play an integral part of the learning experience.

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### **BIOLOGY (523)**

**1 Credit**

**Level: CP II**

Biology is designed to provide students with a general understanding of the field of biology. It is paced so that students have an opportunity to strengthen individual comprehension of topics introduced in class. Students will gain an appreciation of the different types of life and develop a further interest in the world around them. Laboratory work will play an integral part of the learning experience.

**HONORS CHEMISTRY (531) ♦****1 Credit****Level: HON**

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Honors Chemistry is designed for students with an above average ability, motivation and work ethic. As with any chemistry course, it has, at its heart, the study of atoms, molecules and chemical reaction systems, but it examines these topics at a faster pace, and with greater depth and breadth than most traditional chemistry programs. Special emphasis is placed upon the study of more complex concepts, such as, limiting factor stoichiometry, chemical equilibrium and kinetics, and the interactions of matter and energy. Laboratory work is an integral part of the program emphasizing the scientific method of discovery and promoting critical thinking skills.

**Grades: 10, 11, 12****Prerequisites: Honors Biology (521), Honors Algebra II (411) and departmental approval.****CHEMISTRY (532) ♦****1 Credit****Level: CPI**

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Chemistry is the science of the composition, structure, properties, and reactions of matter, especially of atomic and molecular systems. The nature, composition and structure of atomic particles, atoms and molecules, and their interaction with each other during chemical reactions are examined in a logical, scientific, progressive study. Laboratory work is an important aspect of the course allowing students to apply and test chemical principles through the scientific method of discovery.

**Grade: 10, 11, 12****Prerequisites: Biology and concurrently taking Algebra II (432) or higher****PHYSICAL SCIENCE (533)****1 Credit****Level: CP II**

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Physical Science is designed to give an overview of chemistry, physics and other topics in science in order to better understand our world. Topics will include: scientific methodology; motion; speed; energy; simple machines; waves; atomic structure; and the periodic table. These principles will be enhanced through analyzing and collecting data from various laboratory activities and application of these concepts to the students' own lives.

**Grade: 10, 11****Prerequisite: Biology (522 or 523)**

**UCONN PHYSICS (540) ♦****1 Credit****Level: ECE**

This course will be offered as part of the University of Connecticut's *Early College Experience* Program (ECE) and is the equivalent to PHYS 1201Q: General Physics I and PHYS 1202Q: General Physics II. UConn Physics covers mechanics, conservation laws, wave theory, thermodynamics, hydrodynamics, electricity, magnetism, electronics, optics, nuclear physics, and relativity. Problem-solving techniques are stressed rigorously and made an integral part of the course. Laboratory experiments follow classroom topics. Lab reports require organizational skills and analytical thinking. This course is more demanding than Honors Physics in terms of depth of study, pacing, difficulty of problems, and math aptitude required. Students are expected to bring a scientific calculator to class. Students who qualify may earn eight UConn credits. To satisfy the lab requirements of a college-level lab science, students in UConn Physics are required to spend significant time (at least two hours per week) beyond the scheduled class time working in the Physics Lab.

**UCONN students will be required to complete their necessary lab work after regular school hours.**

**Grade: 12**

**Prerequisites: 87 or higher in Honors Chemistry and Honors Algebra II, or 92 or higher in College Prep Chemistry and College Prep Algebra II, or SAT of 600 in Math, or Combined SAT of 1100 – Critical Reading and Mathematics**

**Please Note:**

Students and parents need to be aware of specific registration and withdrawal policies as they relate to the University of Connecticut (see your school counselor). Also, please note the UConn fee associated with registering for this course.

**HONORS PHYSICS (541) ♦****1 Credit****Level: HON**

Honors Physics covers such topics as mechanics, conservation laws, wave theory, thermodynamics, electricity, magnetism, optics, nuclear physics, and relativity. Problem-solving techniques are stressed rigorously and made an integral part of the course. Laboratory experiments follow and corroborate classroom topics. Students interested in a career in mathematics, science, or engineering and those interested in an extension of their scientific background should select this course. Students are expected to bring a scientific calculator to class daily.

**Grade: 12****Prerequisite: Honors Algebra II (431)****FUNDAMENTAL PHYSICS (542) ♦****1 Credit****Level: CPI**

This fundamental physics course is designed to cover the basics of introductory physics through lecture, demonstrations, problem solving, and laboratory approach. Topics covered include kinematics, dynamics, statics, fluids, thermal energy, electricity and magnetism, optics, and relativity. Students are expected to bring a scientific calculator to class daily.



**Grade: 12**

**Prerequisite: Honors Algebra II (431) or Algebra II (432)**

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**AP BIOLOGY (550) ♦**

**1 Credit**

**Level: AP**

AP Biology is designed to be the equivalent of a college introductory biology course with high expectations and a challenging workload. It aims to provide students with both factual knowledge and the analytical skills necessary to deal critically with the rapidly changing science of biology. The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and to help students apply the ideas of science as a process. As part of this process, students are required to complete a significant amount of self-drive, inquiry-based laboratory work. Primary emphasis in this course is on developing understanding and application of concepts, rather than on memorizing terms and technical details.

**All students enrolled in the course will be required to take the AP Biology exam in May.**

**Grades: 11, 12**

**Prerequisites: Honors Biology (521) and Honors Chemistry (531) and departmental approval**

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**HONORS HUMAN ANATOMY AND PHYSIOLOGY (551) ♦**

**1 Credit**

**Level: HON**

Honors Anatomy and Physiology is an advanced life science course designed for college-bound students with a sincere interest in the medical and health sciences. The course will include a comprehensive study of the structures and functions of the human body at both the microscopic and gross anatomical levels. A prior understanding of basic biology and chemistry is required. Laboratory work will play an integral role in the learning experience, with a strong emphasis on the dissection of fresh and preserved specimens of organs from representative animals.

**All students taking this course are required to complete dissections.**

**Grades: 11, 12**

**Prerequisites: Honors Biology (521) and Honors Chemistry (531)**

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**HUMAN ANATOMY AND PHYSIOLOGY (552) ♦**

**1 Credit**

**Level: CP I**

Anatomy and Physiology is a life science course designed for college-bound students interested in pursuing studies in the field of biology. The course will include a comprehensive study of the structures and functions of the human body. Laboratory work will play an integral part in the learning experience, with a strong emphasis on the dissection of fresh and preserved specimens of organs from representative animals.

**All students taking this course are required to complete dissections.**

**Grades: 11, 12**

**Prerequisites: Biology (522) and Chemistry (532)**

**HONORS ORGANIC CHEMISTRY (553) ♦****1 Credit****Level: HON**

Honors Organic Chemistry focuses on the “chemistry” of carbon-based compounds. The chemistry of plastics, petroleum, drugs, fertilizer, and food additives are common topics in organic chemistry. Biochemistry focuses on the organic chemistry of living things. It examines the chemistry of the major food groups; hormones and enzymes; digestion and synthesis; and the process of biological energy production, use and storage. This course starts with a study of the fundamental nature and structure of covalent carbon-chain molecules, recognizable organic groups and their reaction, and then shows that these same principles apply to larger, more complex biological chemicals and systems.

**Grades: 11, 12****Prerequisite: Honors Chemistry and departmental approval****INTRODUCTION TO GENETICS (554) ♦.5****1/2 Credit****Level: CPI**

Introduction to Genetics is a semester course designed to cover the basics of classical and molecular genetics. It presents an integrated approach to the study of genes (genotypes) and how mutations (alterations) can have profound effects on cells and proteins (phenotypes). This course will also include investigations into human diseases from a genetic/molecular view.

**Grades: 11, 12****Prerequisite: Biology (521, 522 or 523)****HONORS ADVANCED GENETICS (555) ♦.5****1/2 Credit****Level: HON**

Honors Advanced Genetics is a semester course designed to continue students’ investigations into classical and molecular genetics. This course will include in-depth investigations into human diseases from a genetic/molecular view. Honors Advanced Genetics includes biotechnology experiments, done collaboratively in a problem-solving format, to help emphasize basic research skills through the use of specialized laboratory equipment.

**Grades: 11, 12****Prerequisite: Introduction to Genetics (554) and departmental approval****ENVIRONMENTAL STUDIES (562) ♦.5****1/2 Credit****Level: CPI**

Environmental Studies will provide students with scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. The current popularity of concern over climate, energy consumption, alternative energy sources, and global issues will be discussed.

**Grades: 10, 11, 12**  
**Prerequisite: Biology (521, 522 or 523)**

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**MARINE BIOLOGY (572) ♦.5**

**1/2 Credit**

**Level: CPI**

Marine Biology is an introductory course designed for students interested in the world's oceans and the organisms that live in them. This course will include topics in: oceanography, marine ecology, water physics and chemistry, marine zoology, and the human impact on marine environments. Laboratory work, including dissections, will play a key role in the learning experience.

**Grades: 10, 11, 12.**  
**Prerequisite: Biology (521, 522, Or 523)**

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**FORENSIC SCIENCE I (582) ♦.5**

**1/2 Credit**

**Level: CPI**

Forensic Science I introduces topics based on specific types of evidence and the techniques used to collect and analyze the evidence. As students progress through the course, they will apply these techniques to other areas of study. The topics covered in this course include crime scene investigation, eyewitness testimony, the collection, handling, and examination of trace evidence, blood spatter examination, DNA, impressions, and handwriting analysis. Analysis of current and past cases are also included in this course.

**Grades: 11, 12**  
**Prerequisite: Biology (521, 522, or 523)**

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**FORENSIC SCIENCE II (583) ♦.5**

**1/2 Credit**

**Level: CPI**

Forensic Science II will continue to explain the scientific techniques used in forensics, but it will broach topics that were not introduced in Forensics I such as arson, determining *post mortem* interval, forensic entomology, ballistics, forensic anthropology, and other higher level topics involving forensic science. Students will be responsible for the application of principles learned from Forensics I in order to solve cases and make informed conclusions about a series of events. Students will also solve simulated crime scenes and will have to learn the roles of different types of forensic investigators in order to gather their evidence and present their findings to the class.

**Grades: 11, 12**  
**Prerequisite: Forensic Science I (582)**

## **SOCIAL STUDIES DEPARTMENT**

In addition to ensuring that students gain mastery in the various disciplines of the department, the faculty is committed to teaching analytical skills that will serve St. Paul graduates for a lifetime of learning and success. In all courses, students are taught to read and analyze charts, graphs, and primary materials. Examinations typically include document-based questions to foster critical analysis, mastery of the subject matter, and clarity in writing. Indeed, both verbal and written communication skills are essential to success in all walks of life. Class participation is encouraged by the faculty in order to include students as active participants in the learning process. Many courses require significant written work. All students are required to complete three credits of study in social studies as part of their graduation requirements. Western Civilization, U.S. History and American Government are required courses for graduation.

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### **HONORS WESTERN CIVILIZATION (611) ♦**

**1 Credit**

**Level: HON**

Honors Western Civilization traces the development of European people from prehistoric times to the present. Focus is placed on the history of ideas as well as events and people. The honors level develops skills of critical thinking, essay writing, effective reading, and speaking. Map reading and geography skills will also be emphasized. Students will discover the flow of history and make connections between people and events. Supplementary, primary, and secondary source readings will be assigned. Chapter and unit examinations will evolve from objective to essay type. One formal essay will be written each month: three novels that exemplify the period will be assigned, and a formal research paper of 2,000 words will be due in May.

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### **WESTERN CIVILIZATION (612) ♦**

**1 Credit**

**Level: CPI**

This level of Western Civilization traces the development of European cultures from prehistoric times to the present age. Emphasis is placed on critical thinking skills such as reading, writing, interpreting, and synthesizing information. Map reading and geography skills are also emphasized. Students will compare and contrast the development of various people throughout history, demonstrate factual knowledge, and refine the ability to identify and analyze events from differing points of view. All students will complete a major research project.

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### **WESTERN CIVILIZATION (613)**

**1 Credit**

**Level: CPI II**

This level of Western Civilization follows the development and narrative of western cultures from prehistoric times to the modern age. Emphasis is placed on developing skills in areas such as reading, writing, interpreting, and synthesizing information. Students will compare and contrast the development of various people throughout history, demonstrate factual knowledge, and refine the ability to identify and analyze events from differing points of view.

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### **EASTERN CIVILIZATION (621) ♦.5**

**1/2 Credit**

**Level: CPI**

This course will examine non-European cultures. Students will investigate the history and cultures of major Asian nations and their impact on the rest of the world. One major project and/or a research paper is required.

**Grade: 9 (Grades 10, 11, 12 needs permission of Department Head.)**

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**ANCIENT GREECE (622) ♦.5 (Available during the 2016-2017 school year) 1/ 2 Credit**

**Level: CPI**

This course will introduce students to the history and culture of Greece from pre-Homeric times through classical Athens to the legacy of Alexander the Great. Greek society, politics, literature, art, and mythology will be covered.

**Grade: 9, 10**

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**ANCIENT ROME (623) ♦.5 (Available during the 2017-2018 school year) 1/ 2 Credit**

**Level: CPI**

This course will explore the Roman civilization from its rise through its fall, beginning with the legend of Aeneas and finishing with the enduring influence of the Romans. The origins of the city and of the republic, the Roman civil wars, and the acts of the emperors will receive special emphasis. Society, culture, literature, and religion will also be covered.

**Grade: 9, 10**

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**HONORS UNITED STATES HISTORY (631) ♦ 1 Credit**

**Level: HON**

An in-depth look at American history from the Colonial era to the present, the honors course uses a high-reading level text and numerous supplementary readings to enable students to express higher level thinking skills in both oral and written presentations. All tests are essay-based, and projects are assigned to sharpen student writing skills in preparation for similar work at the college level.

**Prerequisite: Minimum 87 average in Honors Western Civilization or 95 average in Western Civilization**

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**UNITED STATES HISTORY (632) ♦ 1 Credit**

**Level: CPI**

This course is a chronological survey of United States history from the Revolutionary War period to the present. It is designed to enable juniors not only to understand the events that have shaped our nation, but also to analyze and evaluate their impact on the nation's social, political, economic, and cultural lives. Beyond the textbook, students will read from a number of supplemental sources and materials. Students will complete tests, papers, and essays to demonstrate comprehension of course materials.

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**UNITED STATES HISTORY (633) 1 Credit**

**Level: CPI II**

This course follows the development of America from the Federal period to the present. It enables students not only to understand the events that have shaped our nation but to develop skills in areas such as reading, writing, interpreting and critical analysis of primary and secondary sources. Students will compare and contrast the development of the various regions of the United States, demonstrate factual knowledge and refine their ability to identify and analyze events from differing points of view.

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**INTRODUCTION TO CRIMINAL JUSTICE (636) ♦.5****1/2 Credit****Level: CPI**

The American Criminal Justice system is made up of three components; the police, the courts and corrections. This course will focus on the police (history and structure, purpose and organization, and legal aspects) causes of crime, and criminal law, with a brief overview of the entire system in the beginning. This course is design to provide students with the goals of the criminal justice system as it tries to balance individual rights with the concerns of society.

**Grades: 11, 12**

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**CRIMINAL JUSTICE II (638) ♦.5****1/2 Credit****Level: CPI**

This course is a follow-up to Introduction to Criminal Justice and focuses on the other two components of the Criminal Justice system; the courts and corrections. This course will also address the juvenile justice system and the future of our American Criminal justice system, looking at terrorism, drugs and crime, and multinational criminal justice.

**Grades: 11, 12****Prerequisite: Introduction to Criminal Justice**

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**CONTEMPORARY ISSUES (642) (Available during the 2016-2017 school year)****1/2 Credit****Level: CPI**

This course surveys the complex global issues that challenge mankind. The focus will be the causes and effects of phenomena like poverty, nuclear proliferation, disease, population growth, food production, hunger, terrorism, environment and natural resources, and conflict and instability. *The New York Times*, scholarly journal articles, and electronic sites will be utilized as the basis for class discussion. Possible solutions to some of these issues will be assessed, as well as the position of the West relative to the rest or the world. Exams will be both objective and essay. Students will also be responsible for an oral presentation.

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**MACROECONOMICS (644) ♦.5****1/2 Credit****Level: CPI**

Students will be introduced to the basics of economic principles. This course will give the students a greater understanding of economics ranging from the viewpoint of the individual consumer or small business owner to the global economy. The course will study the law of supply and demand, forms of business, labor unions, government finances and influence on the economy, money and prices, inflation and deflation cycles. The course relates history and politics to the study of economics and will prepare students to master fundamental economic concepts, applying the tolls (graphs, statistics, equations) from other subject areas to the understanding of operations and institutions of economic systems.

Grades: 10, 11, 12

**AP U.S. GOVERNMENT & POLITICS (650) ♦**

**1 Credit**

**Level: AP**

The course is intended to present students with an introductory, college-level course that will provide an analytical perspective on the theoretical and practical operation of government in the United States from its origin until the present day. The course will explore the fundamental principles of the Constitution, the institutions of the national government, analyze political beliefs and behaviors, assess the role of political parties, special interests, and the media on creation and implementation of policy, the creation of public policy, and the development of civil rights and liberties for both the citizens and noncitizens. The course is intended to provide students with practice in analyzing and interpreting government policy and its impact on the citizenry. Students will be expected to demonstrate the analysis of the data and the mastery of subject matter through frequent free response examinations. Moreover, students will acquire the skills and knowledge necessary to pass the AP exam and will conclude from this course that an active citizenry is the best insurance for responsive and effective government.

**All students enrolled in the course will be required to take the AP U.S. Government & Politics exam in May.**

**Prerequisites: Minimum 87 average in Honors U.S. History (631) or a minimum 80 average in AP U.S. History (661) or permission of the Department Head**

**HONORS AMERICAN GOVERNMENT (651) ♦.5**

**1/2 Credit**

**Level: HON**

Honors American Government is designed to provide students with an in-depth study of the design and structure of the government of the United States, the rights and responsibilities of its citizens, and the political party system from a historical perspective. This course seeks to challenge students' interest in the American political system as it has developed to the present and help them identify the role of the active American citizen. Students will analyze documents, court decisions, and political events with emphasis on how they impact American life in general and them individually. At least two projects will be required.

**Prerequisite: Minimum 87 average in Social Studies**

**AMERICAN GOVERNMENT (652) ♦.5**

**1/2 Credit**

**Level: CPI**

American Government is designed to provide students with an in-depth study of the design and structure of the government of the United States, the rights and responsibilities of its citizens, and the political party system from a historical perspective. This course seeks to challenge students' interest in the American political system as it has developed to the present and help them identify the role of the active American citizen. Students will analyze political events from documents and court cases in our past with its future impact on the general population in mind. At least one project will be required.

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**AP UNITED STATES HISTORY (661) ♦****1 Credit****Level: AP**

AP United States History is designed to provide students with the analytical skills and enduring understandings necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials; their relevance to a given interpretive problem; their reliability; and their importance and to weigh the evidence and interpretations presented in historical scholarship. An AP United States History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format.

**All students enrolled in the course will be required to take the AP U.S. History exam in May.**

**Prerequisite: 88 or higher in Honors Western Civilization (611) or permission of the Department Head.**

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**PSYCHOLOGY (662) ♦.5****1/2 Credit****Level: CPI**

Psychology is the science of mind and behavior. It examines the mental or behavioral characteristics of an individual or group. Various personality theories will also be explored. Students will achieve a basic mastery of the material through textbook readings, class discussions, and class debates, in addition to written assignments.

**Grades: 11, 12**

**Prerequisite: An overall average of 87 in Social Studies or permission of the Department Head**

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**AP PSYCHOLOGY (663) ♦****1 Credit****Level: AP**

The course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and the methods psychologists use in their research and practice.

**All students enrolled in the course will be required to take the AP Psychology exam in May.**

**Grades: 11, 12**

**Prerequisite: Permission of the Department Head**

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**SOCIOLOGY (672) ♦.5****1/2****Credit**

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**Level: CPI**

Sociology is the study of group behavior that focuses on how groups interact amongst themselves and with each other. Sociology involves the study of small group behaviors such as friends and family, to that of larger groups, government, and society as a whole and the impact of group behavior upon individuals and their cultures. Students will demonstrate mastery of the course through textbook readings, class discussions, surveys, researching different cultures and class presentations.

**Grades: 11, 12**

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**AMERICA THROUGH FILM (682) (Available during the 2017-2018 school year) 1/2 Credit**

**Level: CP I**

Poverty, social reform, expansion, evangelism, social class, war, race relations, ideology, and nuclear annihilation are some of the themes or issues that will be examined through the medium of film in this course. Students will assess both the historical value of the films viewed as well as the historical milieu in which they were produced. Students will complete worksheets as instructed. Objective quizzes and brief interpretive essays on films (or segments) will be required.

**Grade: 11, 12**

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**UCONN WESTERN CIVILIZATION (685) ♦ 1 Credit**

**Level: ECE**

This course will be offered as part of the University of Connecticut's *Early College Experience* Program (ECE) and is the equivalent to History 1400, "Modern Western Traditions." A lecture format will introduce students to the major social, political, religious, economic, and cultural developments in Western Civilization. In addition, students will be encouraged to think critically about the past, and will be instructed in the use and analysis of primary sources, such as charts, graphs, memoirs, art, cartoons, and so forth. Finally, students will be expected to express their historical understanding in writing. Students who qualify may earn three UConn credits.

**Grade: 12**

**Prerequisites: 87 or higher in Honors U. S. History (631) or permission of the Department Head.**

**Please Note:**

Students and parents need to be aware of specific registration and withdrawal policies as they relate to the University of Connecticut (see your school counselor). Also, please note the UConn fee associated with registering for this course.

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**AP EUROPEAN HISTORY (686) ♦ 1 Credit**

**Level: AP**

This course will provide students with a grasp of European political, socio-economic, cultural, intellectual, and diplomatic history from 1450 to the present. In addition to a presentation of chronological narrative, students will: (1) learn several of the main themes in modern European history; (2) acquire skills in analyzing and interpreting historical evidence; and (3) learn to express historical understanding in writing.

**All students enrolled in the course will be required to take the AP European History exam in May.**

**Grade: 12**

**Prerequisite: 87 or higher in Honors U. S. History (631) or permission of the Department Head.**

## **UNIFIED ARTS DEPARTMENT**

The Unified Arts Department offers courses in performing and visual arts, mechanical and architectural design, business, computer science, information technology, and video and audio production.

Our goal is to provide a substantial college preparatory curriculum in the different fields, as we afford our students real-life experiences that enhance their talents and give them a strong and varied set of skills. Our curriculum takes advantage of the latest technology in our fields of study. In fact, many of our courses are computer-based classes offered in three multi-functional computer labs. Finally, our offerings comprise progressive levels of learning, including honors and AP courses.

## **BUSINESS/COMPUTER**

### **DIGITAL LITERACY & CITIZENSHIP (710)**

**1/2 Credit**

**Level: CPI**

Every day students carry out their lives in the digital world in a variety of ways and for different reasons and tasks. This course is designed to empower students to make the best of the digital tools at their disposal, while using and creating digital media. The course will provide students with a practical introduction to the iPad as a productive educational device at our school. In addition, the course will address the key issues of internet safety, privacy and security, reliability of online sources, cyberbullying, information literacy, online communication and self-identity, digital footprint and reputation, create credit and copyright. At the end of this course students will know how to harness the power of technology safely, responsibly and effectively.

### **BUSINESS PRINCIPLES AND PRACTICES (713)**

**1 Credit**

**Level: CP I**

This course is designed to teach students business economic principles through interactive case study analysis and hands-on projects. The course will integrate economic concepts, human behavior, business law, and business ethics in order to establish a solid foundation and understanding of the business environment. The class will explore what businesses are and investigate how businesses operate and how they are managed. It will analyze business law and its effect on the community, on consumers, and on corporations, partnerships, and proprietorships. The class will take a close look at management and leadership styles, marketing techniques, personal and business financing, and communications.

**Grades: 11, 12**

### **COMPUTER APPLICATIONS (715)**

**1/2 Credit**

**Level: CPI**

This course provides students with an in-depth experience with computers and productivity software. Students will develop and apply advanced skills in word processing, spreadsheets, databases, graphics, desktop publishing, calendaring, and presentations. Students will gain a working knowledge of Microsoft Word, Excel, Access, PowerPoint, and Outlook. In addition, this course will introduce students to web applications provided through Google Apps.

**Grade: 9, 10**

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**ACCOUNTING (731)**

**1 Credit**

**Level: CPI**

Accounting is designed to build a basic understanding of manual and automated accounting principles, concepts, and procedures. The course provides students with an overall picture of the total process of a business system. It teaches students to analyze and record business transactions. Students will prepare financial statements for businesses organized as proprietorships and corporations. The computer lab will be used periodically to teach automated accounting methods. Students will complete a simulation as a capstone activity, which incorporates the entire accounting cycle for a corporation. Accounting I satisfies a math credit.

**Grades: 10, 11, 12**

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**FOUNDATIONS OF HTML AND JAVA PROGRAMMING (740)**

**1 Credit**

**Level: CPI**

First-year programming students will learn object-oriented programming concepts using the Java programming language. They will apply these concepts to the development of static and dynamic Web pages, Web services, and other client- and server-side applications. Upon completion of this course, students will have a working knowledge of technical vocabulary and common language constructs. Languages that will be covered include Java, HTML, CSS, and Java Script.

**Grades: 9, 10, 11, 12**

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**AP COMPUTER SCIENCE A (742) ♦**

**1 Credit**

**Level: AP**

Computer Science A emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development and is meant to be the equivalent of a first-semester college-level course in Computer Science. It also includes the study of data structures, design, and abstraction. AP Computer Science A satisfies a math credit.

**All students enrolled in the course will be required to take the AP Computer Science A exam in May.**

**Grades: 11, 12**

**Prerequisite: Foundations of HTML and Java Programming (740) & currently enrolled in Pre-Calculus (441, 442), Calculus (451, 452) or Hon. Statistics (474)**

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**HONORS iPad ACTION GAME PROGRAMMING (745)**

(Available during the 2017-2018 school year)

1/2 Credit

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Level: HON

Millions of people enjoy playing games on-the-go using their mobile iOS devices. This course will allow students to create their own action-packed games for the iPad. Students will learn the fundamentals of using Utility iOS and Wings3D, while also learning valuable programming and game design skills in the process.

**Grades: 10, 11, 12**

**Prerequisite: Foundations of HTML and Java Programming (740) and permission of the Department Head**

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**ROBOTICS (750) (Available during the 2016-2017 school year)**

1/2 Credit

Level: CPI

This class is a hands-on, learn-by-doing class in which participants design, build, and program robots. From the student's perspective, the goal of the class is to design robotic machines that will be able to navigate their way around different surfaces and successfully interact with objects while performing specific tasks. The machines built by students are real robots. They are fully autonomous entities, operating under their own battery power with a microprocessor in control. They operate without human intervention. The design of a robot is a complex task because the robot must be designed intelligently with respect to mechanical, electronic, and control factors.

**Grades: 10, 11, 12**

**Prerequisite: Foundations of HTML and Java Programming (740)**

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**COMPUTER DESIGN I (811)**

1 Credit

Level: CPI

Computer Design I introduces the student to a technological means of generating mechanical engineering and architectural designs through automation. The class will participate in guided discussions and hands-on projects using *Turbo Cad* software to design various elements. Students will learn traditional drafting techniques to create floor plans of residential homes. Furthermore, students will draw, design, and construct useful products, and they will determine schedules for cost specifications. Other software applications used in this design class are *Incredible Machine* and *Planix House Design*.

**Grades: 9, 10, 11, 12**

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**COMPUTER DESIGN II (812)**

1 Credit

Level: CPI

Computer Design II is the advanced level of computer design. The course concentrates on the use of *Turbo Cad* and other software to design and create mechanical products and architecture. The course will incorporate electronic software to design and create simple circuitry. Advanced drafting techniques will involve hand drawings of front elevations, mechanical drawings, and wall sections. The emphasis of the class will be on three-dimensional design and multi-view drawing.

**Grades: 10, 11, 12**

**Prerequisite: Computer Design I (811)**

**COMPUTER DESIGN III (813)****1 Credit****Level: CPI**

Independent CAD provides for individualized learning under the guidance of an instructor. Application of advanced CAD techniques are applied to projects related to an area of specialization or field of choice such as mechanical engineering and structural or architectural design. It allows a student to pursue a special concentration in engineering or design. Projects are assembly-based and a portfolio is required for year-end assessment.

**Grades: 11, 12****Prerequisite: Computer Design II (812)****PERSONAL FINANCE (814)****1/2 Credit****Level: CPI**

This course teaches students how to design a personal financial plan for the future. It focuses on how financial markets work, how to select among various saving and investment options, how to find and use investment information, and how to recognize and victim-proof oneself against investment fraud. Students will learn the keys to credit success and purchasing insurance to avoid financial catastrophe. Activities will include exploring websites that focus on financial literacy, participating in the Stock Market game on the Web, analyzing case studies, and reading current articles in financial publications. Simulations, content-sensitive videos, and outside speakers such as lawyers, insurance agents, and financial advisors will be used to support the curriculum.

**Grades: 11, 12****COMMUNICATIONS (815)****1/2 Credit****Level: CPI**

This semester course is designed to integrate various communication vehicles to develop skills and apply these skills in various situations such as conflict resolution and professional development. This course will concentrate on speech writing, speech presentation, speech delivery, contract writing, negotiating skills, group dynamics analysis, conflict resolution, and effective presentations. The course is designed to create a better writer, organizer, and communicator. This involves organizing and planning results, creating goal-oriented outcomes, and handling surprise situations in order to manage one's professional and personal life more effectively. The course will use books, case studies, and media presentations to guide the curriculum.

**Grades: 10, 11, 12****ARCHITECTURE (816)****1/2 Credit****Level: CPI**

Architecture is designed to build a foundation into residential design and construction. Students will be introduced to many facets of construction and floor planning as well as interior design. Students will use a CAD system to design floor plans and elevations. They will also construct a scaled 3 dimensional model of a house. Upon completion of the class, the expectation will be for them to have produced a near full set of plans that could be used to build a house.

**Grades: 10, 11, 12****Prerequisite: Computer Design I (811)**

## MUSIC AND PERFORMING ARTS

### **CHORAL MUSICIANSHIP - SEMESTER (801)**

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**1/2 Credit**

**Level: CPI**

This performance-based course will give students the opportunity to explore, develop, and showcase their talent. The course will include a wide range of literature from a variety of historical periods, countries, cultures, languages, and styles. Students will study classical masterworks, folk songs, spiritual, sacred and secular works, arrangements of familiar songs, and also selections from the pop, rock, and jazz repertoire. This course will implement several of the National Music Standards, providing a well-balanced curriculum. This course may be repeated for additional credits.

**Grades: 9, 10, 11, 12**

### **INSTRUMENTAL STUDIES - SEMESTER (802)**

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**1/2 Credit**

**Level: CPI**

The instrumental program will afford students the opportunity to participate in the Instrumental Ensembles. This course will instill responsibility, self-discipline, respect, leadership, and cooperation, as well as provide musical development and self-expression. Individual instrumental music instruction is also offered to students on the following instruments: flute, clarinet, alto saxophone, trumpet, trombone, baritone and percussion. This course may be repeated for additional credits.

**Grades: 9, 10, 11, 12**

### **CHORAL MUSICIANSHIP (820)**

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**1 Credit**

**Level: CPI**

This performance-based course will give students the opportunity to explore, develop, and showcase their talent. The course will include a wide range of literature from a variety of historical periods, countries, cultures, languages, and styles. Students will study classical masterworks, folk songs, spiritual, sacred and secular works, arrangements of familiar songs, and also selections from the pop, rock, and jazz repertoire. This course will implement several of the National Music Standards, providing a well-balanced curriculum. This course may be repeated for additional credits.

**Grades: 9, 10, 11, 12**

### **PIANO AND ELECTRIC GUITAR (825)**

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**1/2 Credit**

**Level: CPI**

This course is for students who want to learn how to play piano, guitar, or bass or who may have been playing for a while but want to improve their skills. In our state-of-the-art music lab, using the latest computer software and multimedia programs, students will be able to study piano or electric guitar and bass at the basic, intermediate, or advanced level according to their current musical skills. Beginners are welcome, while intermediate and advanced students will have an opportunity to refine and improve their playing skills. The students can choose among a classical, jazz, or modern curriculum, or even a combination of the three. Students may take just one semester, although both semesters are highly recommended. This course may be only repeated once.

**Grades: 9, 10, 11, 12**

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**MUSIC TECHNOLOGY I: DESKTOP PC RECORDING (827)**

**1/2 Credit**

**Level: CPI**

This course allows students to gain all the knowledge necessary to produce great-sounding recordings of music. Even students who begin this course with little or no understanding of desktop production finish with quality master recordings. In this course, students will learn how to set up their own home audio, the basics of sampling and audio mixing, and more. With hands-on lessons and projects, students master concepts like digitization, signal flow, multi-tracking, equalization, signal processing, MIDI, and everything they need to turn their PC into a virtual multi-track studio.

**Grades: 9, 10, 11, 12**

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**MUSIC THEORY I (828)**

**1 Credit**

**Level: HON**

For students desiring a more in-depth study of music, we offer two levels of music theory. The Music Theory I course is designed to expose students to the basics of music composition and analysis. The integration of aural skill development and the concentration on harmonic structure provide the necessary groundwork for advanced study in music theory and is a prerequisite for the AP Music Theory course.

**Grades: 10, 11, 12**

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**MUSIC THEORY II: AP MUSIC THEORY (829)**

**1 Credit**

**Level: AP**

This course is designed for the college-bound music major planning a career in the music field or desiring in-depth knowledge of music theory and composition. Advanced concepts in harmony and analysis are emphasized as well as the continued development of aural skills.

**All students enrolled in the course will be required to take the AP Music Theory exam in May.**

**Grades: 11, 12**

**Prerequisite: 87 or higher in Music Theory I (828)**

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**INSTRUMENTAL STUDIES (830)**

**1 Credit**

**Level: CPI**

The instrumental program will afford our students the opportunity to participate in the Instrumental Ensembles. This course will instill responsibility, self-discipline, respect, leadership, and cooperation, as well as provide musical development and self-expression. Individual instrumental music instruction is also offered to students on the following instruments: flute, clarinet, alto saxophone, trumpet, trombone, baritone and percussion. This course may be repeated for additional credits.

**Grades: 9, 10, 11, 12**

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**PRACTICAL DV FILMMAKING (850)**

**1/2 Credit**

**Level: CPI**

This semester course is designed for the beginner. Practical DV Filmmaking provides a practical guide to the process of making a film using digital equipment from development through production, post-production, and distribution. While the technical tools a student needs are fully explained, the course concentrates on filmmaking principles throughout, illustrating how these tools can be used to achieve stylistic approaches for innovative filmmaking.

**Grades: 11, 12**

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**MUSIC TECHNOLOGY II: FOUNDATIONS OF MIDI SEQUENCING (852)**

**1/2 Credit**

**Level: CPI**

With a rack of virtual instruments, effects, mixers, a comprehensive sequencer, extensive groove control for fine-tuning the “feel” of a piece of music, and a patching system that emulates real-world hardware setups, *Reason* provides nearly complete production environment for producers and engineers. Producing music with *Reason* provides students a broad overview of this versatile software’s capabilities, and the techniques they need to learn to operate it effectively. The course covers sampling, sound design, and sequencing basics, and guides students from the fundamentals of mixing and mastering to more advanced problem solving techniques that will improve overall productions. Students learn to create their own unique sounds, and because the program’s parts closely parallel much of the setups used by today’s top producers, students also learn portable skills that they can transfer to a number of different software and hardware setups.

**Grades: 9, 10, 11, 12**

**Prerequisites: Piano/Electric Guitar (825) a grade of 80 or above in Music Technology I (827)**

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**DRAMA I (860)**

**1/2 Credit**

**Level: CPI**

While primarily a course in the art of acting, Drama I seeks to provide an overview of the theater world to our students. Several units will introduce key moments in Western theater history, focusing on classical monologues and scenes. The class focuses on the application of stage and performance principles to the performance of monologues, duets and ensemble scripts as well as the study of various elements of theater and film. Students in this class can be required to participate in some co-curricular activities after school. Drama I may not be repeated.

**Grades: 9, 10, 11, 12**



**DRAMA II (861)****1/2 Credit****Level: CPI**

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Drama II is a continuation of self-discovery and script analysis from Drama I, using the basic elements of the Stanislavski and Stella Adler systems, focused more directly toward developing the skills necessary to create characterization in monologues and scenes from contemporary plays. It also involves advanced scene work and creating characters in monologues and scenes from classical and modern plays. Drama II includes an introduction to the business of acting, developing audition material, practicing cold readings, and understanding headshot/resume requirements and how to pursue a career in the theatre. Drama II may not be repeated.

**Grades: 10, 11, 12****Prerequisite: Drama I (860)****MUSICAL THEATER DANCE I (867)****1/2 Credit**

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This course will explore the history and evolution of the musical theater dance genre from the 1900s through present day, working with the different steps and styles introduced in each era. Students will study and work with different choreographic styles. Dance classes will incorporate technical training in ballet, musical theater, jazz, and stage movement. The class will work in conjunction with the Performing Arts Department as a complement to their shows and as a performance opportunity. This course can satisfy a half credit in Physical Education and does require special dance clothing and shoes, which will be explained at the first class. This is a pass/fail course. However, consistent student participation is needed to achieve credit. This course may not be repeated.

**Grades: 9, 10, 11, 12****MUSICAL THEATER DANCE II (868)****1/2 Credit**

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Expanding on the dance vocabulary learned in Dance I, students will study and work with different choreographers' styles that have had a major influence on Broadway dance, such as Bob Fosse, Jerome Robbins, Michael Bennett and others. Participation in level II is only with approval of the teacher. This course can satisfy a half credit in Physical Education. This is a pass/fail course. However, consistent student participation is needed to achieve credit. This course may not be repeated.

**Grades: 9, 10, 11, 12****Prerequisites: Dance I (867) and approval of the instructor.**

## VISUAL ARTS

### **CRAFTS (817)**

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**Level: CPI**

This semester-long course enables students to explore the purpose and meaning of crafts from a global perspective. Students explore degrees of form and function through the use of traditional crafts media: fiber, metals, glass, papier mache, etc. Emphasis is on drawing, artistic thinking skills and techniques, as well as appreciation and understanding of contemporary, historic, and cultural influences.

**Grades: 9, 10, 11, 12**

**1/2 Credit**

### **HONORS STUDIO ART II (818)**

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**Level: HON**

This is an honors course for the serious art student. Instruction and assignments will build upon previous experience in prior studio art classes. This is a class with high expectations that requires prior experience in drawing, painting, and the fundamentals of art so this knowledge can help the student to create art on this higher level. The majority of assignments will be two dimensional with a focus on continuing art in AP, college, and beyond. Students should expect to spend time outside of the classroom on completing projects, homework assignments, and visiting area art museums and a couple of college art classes. At the end of this course, students will have a developing portfolio to aid them in the AP Studio Art class or for college portfolio reviews.

**Grades: 10, 11, 12**

**Prerequisite: Honors Studio Art (848)**

**1/2 Credit**

### **FIGURE DRAWING (819)**

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**Level: CPI**

This class is an essential step for those planning to study fine art, animation, illustration, costume design, character design and concept design. Working from models at times, you will examine the elements of drawing the human figure and the principles of composition and develop observational drawing skills by investigating proportion, form and gesture. Charcoal, graphite pencil and various other media will be used. The ability to draw the human figure is a vital skill for your academic and professional success in many areas of art and design.

**Grades: 10, 11, 12**

**Prerequisite: Art Fundamentals (849) and Drawing (845) or permission of the art instructor based upon evaluation of a portfolio.**

**1/2 Credit**

### **AP STUDIO ART: 2-D DESIGN (835)**

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**1 Credit**

**Level: AP**

This course guides students in the preparation and submission of an extensive studio art portfolio: concentration, breadth, and quality. Students complete several assigned projects, as well as numerous self-initiated projects. This course is very rigorous, and it is intended for art students who have demonstrated superior self-motivation and sustained interest in art. Seniors who have had at least two previous years of art may enroll in the AP Studio Art: 2-D Design portfolio preparation class. Permission of the art instructor is required.

**All students enrolled in the course will be required to submit their AP Studio Art: 2-D Design portfolio in May to the College Board.**

**Grade: 11, 12**

**Prerequisite: Honors Studio Art (848) or permission of the art instructor based upon evaluation of a portfolio.**

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**DRAWING (845)**

**1/2 Credit**

**Level: CPI**

Drawing is a hands-on studio class working closely with the instructor and the other students in class. All skill levels are welcome to explore their creativity through drawing media. We will be incorporating the four ideas that make up visual art: art criticism, art history, aesthetics, and studio art. Students utilize and expand on the elements and principles of design and incorporate them in our art works, vocabulary, and visual sense through an array of assignments. This course will consist of short studies of real life objects, line and drawing media experimentation, and the development of an understanding of quality drawing technique. A portfolio and sketchbook will be compiled throughout the course. Knowledge of proper drawing techniques and uses of drawing media will be expected upon course completion.

**Grades: 9, 10, 11, 12**

**Prerequisite: Art Fundamentals (849) or permission of the art instructor based upon evaluation of a portfolio.**

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**PAINTING (846)**

**1/2 Credit**

**Level: CPI**

Painting is a hands-on studio class working closely with the instructor and the other students in class. We will be incorporating the four ideas that make up visual art: art criticism, art history, aesthetics, and studio art. Students utilize and expand on the elements and principles of design and incorporate them in their art works, vocabulary, and visual sense through a vast array of assignments. This course will consist of reviewing the fundamentals of color mixing, developing knowledge of the artistic process, experimenting with mixed media, and broadening the painting style through exposure to a variety of artistic techniques. A portfolio will be compiled throughout the course. Knowledge of diverse painting techniques and uses of media will be expected upon course completion.

**Grades: 9, 10, 11, 12**

**Prerequisites: Art Fundamentals (849) and Drawing (845) or permission of the art instructor based upon evaluation of a portfolio.**

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**3-D DESIGN (847)**

**1/2 Credit**

**Level: CPI**

3-D Design is a hands-on, studio class working closely with the instructor and the other students in class. All skill levels are welcome to explore their creativity through a variety of exciting media. We will be incorporating the four ideas that make up visual art: art criticism, art history, aesthetics, and studio art. We will be utilizing and expanding on the elements and principles of design and incorporating them in art work, vocabulary, and visual sense through a vast array of assignments. This course will consist of

experimenting with various media, developing knowledge of the artistic process, broadening artistic thinking and skills, and manipulating materials to achieve a successful 3-D piece. Knowledge of diverse 3-D media and ways to incorporate design elements into 3-D work will be expected upon course completion.

**Grades: 9, 10, 11, 12**

**Prerequisites: Art Fundamentals (849) and Drawing (845) or permission of art instructor based upon evaluation of a portfolio.**

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### **HONORS STUDIO ART (848)**

**1/2 Credit**

**Level: HON**

This course is designed as a prerequisite to the AP Studio Art: 2-D Design course offered to students their senior year. This course will be offered to juniors who have a serious interest in furthering their education in the arts. Because this is a prerequisite to the AP Studio Art: 2-D Design course, the course will entail many of the same goals. This course will be considered a portfolio prep class where students will complete much of the preliminary work needed in their portfolio for the review during their senior year. Like the A.P. Studio Art: 2-D Design course, this course will be highly intensive and will require in and out of school studio work.

**Grade: 10, 11, 12**

**Prerequisite: Painting (846) or permission of the art instructor**

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### **ART FUNDAMENTALS (849)**

**1/2 Credit**

**Level: CPI**

Students will complete two-dimensional and three-dimensional artworks as they learn the ideas, language, and techniques of the visual arts. Further, students will study art history and examples of work by known and unknown artists and will develop skills related to and an understanding of the visual arts through a series of assignments on the elements and principles of design, drawing techniques, printmaking methods, painting techniques, color theory, sculpture techniques, art history, and criticism. Students will also gain an understanding of the tools and vocabulary used in the visual arts and become conversant with critiques of and discussions on the visual arts.

**Grade: 9, 10, 11, 12**

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### **COMPUTER GRAPHICS – PHOTOSHOP (851)**

**1/2 Credit**

**Level: CPI**

This course prepares students for beginning computer graphics and multimedia, entry-level career opportunities in computer-aided design, as well as taking images from concept to completion in print and on the web. The students will be introduced to the basics of Digital Photography, using tools such as digital cameras, scanners, and drawing tablets to import and edit art and graphics on their computers. The students' artistic abilities will be enhanced as they master Adobe's powerful Photoshop software to complete the design and production process. Students will be required to produce professional portfolios. Students will be required to do a significant amount of traditional drawing.

**Grades: 10, 11, 12**

**Prerequisites: Art Fundamentals (849) and Drawing (845)**

## PHYSICAL EDUCATION

### **EXEMPTION FROM PHYSICAL EDUCATION (910)**

**1/2 Credit**

In place of a traditional Physical Education class, students may choose to play and successfully complete the season in two sports in any one school year for a half credit towards their Physical Education requirement for graduation. The maximum credit allowable in any one school year is 0.5, not to exceed 1 total credit towards graduation. Any student choosing to avail themselves of this option must have their Physical Education graduation requirements complete by the end of their junior year. Students must maintain a minimum of 7 credits during the school day.

**Grades: 9, 10, 11**

### **PHYSICAL EDUCATION (915)**

**1/2 Credit**

#### **Co-Ed**

Physical education provides a variety of activities to promote health and wellness concepts to each student. Activities include individual and team sports games; adventure based activities; and activities related to lifelong fitness. Students will be assessed in the affective, psychomotor, and cognitive domains. This is a pass/fail course. However, consistent student participation is needed to achieve credit.

**Grades: 9, 10**

### **INTRODUCTION TO SPORTS CONDITIONING (930)**

**1/2 Credit**

#### **Co-Ed**

This class is designed to introduce students to the basic techniques and principles of: weight training for both in-season and out-of-season athletes, techniques in strength training and muscular endurance, speed training, agility training, cardiovascular training including distance, resistance, interval and circuit cardiovascular training and nutrition. This class will utilize both the traditional classroom setting, the school weight room and outdoor athletic facilities. This is a pass/fail course. However, consistent student participation is needed to achieve credit.

**Grades: 9, 10, 11, 12**

### **TEAM SPORTS (931)**

**1/2 Credit**

**Co-Ed**

This class will be four mini units of volleyball, soccer, basketball, floor hockey and fitness-related activities. Intramural tournaments will be played throughout the semester. This is a pass/fail course. However, consistent student participation is needed to achieve credit.

**Grades: 11, 12**

**ADVANCED FITNESS AND CONDITIONING (935)****1/2 Credit****Co-Ed**

This class is designed as an advanced fitness and conditioning program. It will emphasize weight-training, speed enhancement, agility, dynamic stretching, and anaerobic and aerobic conditioning. The class will focus on individual fitness for specific sports with an in-season or out-of-season program. Its recommended for highly motivated student athletes with strong athletic skills and a motivation to compete at the high school level and a potential interest in participating at the collegiate level. This course will also include some team competitive activities. This is a pass/fail course. However, consistent student participation is needed to achieve credit.

**Grades: 10, 11, 12**

**Prerequisite: Introduction to Sports Conditioning (930)**

## ELECTIVES MATRIX

*Note: Core courses are not indicated on this table.*

### ENGLISH

1/2	101	Freshman Study Skills	9			
1/2	148	Creative Writing			11	12
1/2	149	Contemporary Fiction			11	12

### WORLD LANGUAGES

1	211	Latin I	9	10	11	
1	212	Latin II	9	10	11	12
1	213	Latin III		10	11	12
1	214	Honors Latin IV			11	12
1	219	AP Latin Vergil			11	12
1	221	French I	9	10	11	
1	222	French II	9	10	11	12
1	223	French III		10	11	12
1	224	Honors French IV			11	12
1	225	Honors French V				12
1	231	Spanish I	9	10	11	
1	232	Spanish II	9	10	11	12
1	233	Spanish III		10	11	12
1	234	Honors Spanish IV			11	12
1	236	AP Spanish: Language & Culture				12
1	261	Introduction to Italian	9			12
1	262	Italian II	9	10		
1	263	Italian III		10	11	12
1/2	251	ELL I	9	10	11	
1/2	252	ELL II	9	10	11	

### MATH

1	444	Algebra III				12
1	451	AP Calculus AB				12
1	452	Honors Calculus				12
1	474	Honors Statistics				12

### SCIENCE

1	531	Honors Chemistry		10	11	12
1	532	Chemistry		10	11	12
1	533	Physical Science		10	11	
1	540	UConn ECE Physics				12
1	541	Honors Physics				12
1	542	Fundamental Physics				12
1	550	AP Biology			11	12
1	551	Honors Human Anatomy and Physiology			11	12
1	552	Human Anatomy and Physiology			11	12
1	553	Honors Organic Chemistry			11	12
1/2	554	Introduction to Genetics			11	12
1/2	555	Honors Advanced Genetics			11	12
1/2	562	Environmental Studies		10	11	12
1/2	572	Marine Biology		10	11	12
1/2	582	Forensic Science I			11	12
1/2	583	Forensic Science II			11	12

### SOCIAL STUDIES

1/2	621	Eastern Civilization	9			
1/2	622	Ancient Greece	9	10		
1/2	636	Introduction to Criminal Justice			11	12
1/2	638	Criminal Justice II			11	12
1/2	642	Contemporary Issues			11	12
1/2	644	Macroeconomics		10	11	12
1/2	662	Psychology			11	12
1	663	AP Psychology			11	12
1/2	672	Sociology			11	12
1	685	UConn ECE Western Civilization				12
1	686	AP European History				12

### BUSINESS / COMPUTER

1	713	Business Principles and Practice			11	12
1/2	715	Computer Applications	9	10		
1	731	Accounting		10	11	12
1	740	Foundations of HTML and Java Programming	9	10	11	12
1	742	AP Computer Science A			11	12
1/2	745	Honors iPad Action Game Programming		10	11	12
1/2	750	Robotics		10	11	12
1	811	Computer Design I	9	10	11	12



1	812	Computer Design II		10	11	12
1	813	Computer Design III			11	12
1/2	814	Personal Finance			11	12
1/2	815	Communications		10	11	12
1/2	816	Architecture		10	11	12

### MUSIC AND PERFORMING ARTS

1/2	801	Choral Musicianship (Semester)	9	10	11	12
1/2	802	Instrumental Studies (Semester)	9	10	11	12
1	820	Choral Musicianship	9	10	11	12
1/2	825	Piano and Electric Guitar	9	10	11	12
1/2	827	Music Technology I	9	10	11	12
1	828	Music Theory I		10	11	12
1	829	Music Theory II: AP Music Theory			11	12
1	830	Instrumental Studies	9	10	11	12
1/2	850	Practical DV Filmmaking			11	12
1/2	852	Music Technology II	9	10	11	12
1/2	860	Drama I	9	10	11	12
1/2	861	Drama II		10	11	12
1/2	867	Musical Theatre Dance I	9	10	11	12
1/2	868	Musical Theatre Dance II	9	10	11	12

### VISUAL ARTS

1/2	817	Crafts	9	10	11	12
1/2	818	Honors Studio Art II		10	11	12
1/2	819	Figure Drawing		10	11	12
1	835	AP Studio Art: 2-D Design			11	12
1/2	845	Drawing	9	10	11	12
1/2	846	Painting	9	10	11	12
1/2	847	3-D Design	9	10	11	12
1/2	848	Honors Studio Art		10	11	12
1/2	849	Art Fundamentals	9	10	11	12
1/2	851	Computer Graphics		10	11	12

### PHYSICAL EDUCATION

1/2	930	Introduction to Sports Conditioning	9	10	11	12
1/2	931	Team Sports			11	12
1/2	935	Advanced Fitness and Conditioning		10	11	12