

ST. PAUL CATHOLIC HIGH SCHOOL



2024-2025

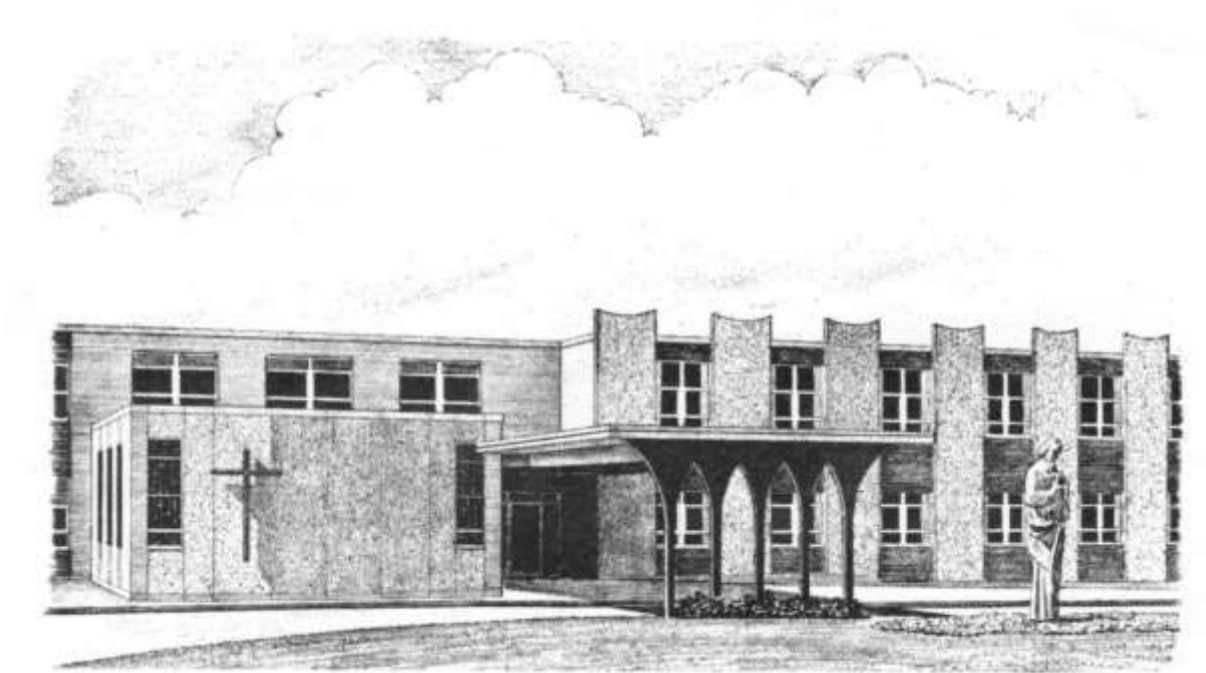
CURRICULUM GUIDE



Class of 2023

**WELCOME
HOME**

2024-2025 Curriculum Guide



**St. Paul Catholic High School
1001 Stafford Avenue
Bristol, CT 06010
Phone: (860) 584-0911
Fax: (860) 585-8815
www.spchs.com**

TABLE OF CONTENTS

VISION, MISSION, PHILOSOPHY & CORE VALUES	1
COURSE SELECTION	2
SCHEDULE CHANGES	2
COURSE WITHDRAWALS	2
AUDITING COURSES	2
GRADING SYSTEM	2
REQUIREMENTS FOR PROMOTION & GRADUATION	3
COURSE LEVELS & CLASS RANK	4
NCAA ELIGIBILITY	4
HONOR ROLL	4
QUALIFICATIONS FOR MAJOR ACADEMIC AWARDS	4
GENERAL INFORMATION	5
PROGRAM OF STUDIES	6
STANDARDIZED TESTING	7
COLLEGE NOW & HIGH SCHOOL PARTNERSHIP PROGRAMS	8
NATIONAL HONOR SOCIETY	9
RELIGION DEPARTMENT	10
ENGLISH DEPARTMENT	13
WORLD LANGUAGES DEPARTMENT	18
MATHEMATICS DEPARTMENT	25
SCIENCE DEPARTMENT	31
SOCIAL STUDIES DEPARTMENT	40
MUSIC AND PERFORMING ARTS	48
VISUAL ARTS	51
BUSINESS/TECHNOLOGY	55
PHYSICAL EDUCATION	61
ELECTIVES MATRIX	63

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.

PROCESS FOR COURSE SELECTION

Starting in late January through February, the teachers and school counselors assist each student with their 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, students who do not attain a passing grade for their final average in a particular course, or for a student who no longer meets the prerequisites for a given course. Schedule change requests must be reviewed and approved by the student's school counselor, teacher, parent(s), and the Dean of Academic Life. **All student schedules are considered final as of July 31. Any changes after July 31 initiated by students or parents will require a \$100 fee per schedule change, unless the change is recommended by the student's current teacher, school counselor, and/or the Dean of Academic Life.**

COURSE WITHDRAWALS

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 official transcript. If the average is below a 60 at the time of withdrawal, a WF will appear on the student's 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.

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	

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 (Biology I & II required)
3 credits	Social Studies (Western Civ. I & II, U.S. History I & II, and American Government are all required)
2 credits	World Language (French, Latin, or Spanish)
1.5 credits	Arts, Business and Technology (Classes of '25, '26, '27)
1 credit	Arts, Business and Technology (Class of 2028)
0.5 credit	Digital Literacy and Citizenship
0.5 credit	Introduction to Programming*
0.5 credit	Personal Finance (Required for Class of 2028)
0.5 credit	Physical Education/Fitness/Dance**
0.5 credit	Introduction to Human Biology and Health
60 hours - minimum	Community Service

*This graduation requirement can be satisfied with CAD I A or Web Design and Programming I.

**In place of a traditional Physical Education/Fitness/Dance class, students may choose to play and successfully complete the season on two St. Paul Catholic High School sports teams 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 completed 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.

In order to be promoted with his/her class, a student must have earned 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

Students must carry a minimum of seven 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 during 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. Courses taken while enrolled at another high school are **not** carried onto a St. Paul student's transcript. Therefore, a transfer student will maintain an official transcript from their previous school(s). Only courses taken at St. Paul appear on a student's official St. Paul transcript.

COURSE LEVELS AND CLASS RANK

Each course offered at St. Paul is assigned one of the academic levels below and each course's level is indicated with its description in the Curriculum Guide. Weighted grades are used only in calculating class rank, for determining eligibility for National Honor Society, and for qualifications for major academic awards. GPAs (weighted and unweighted) are calculated to two decimal places and not rounded to a whole number.

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

N.C.A.A. ELIGIBILITY

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

- ◆ = 1 credit towards meeting eligibility requirements
- ◆ .5 = 0.5 credit towards meeting eligibility requirements

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 in a course will not be eligible for the Honor Roll for that particular marking period. Once an incomplete has been made up, a student will be retroactively placed on the Honor Roll. Honor Roll, like GPA, is calculated to two decimal places and not rounded to a whole number.

QUALIFICATIONS FOR MAJOR ACADEMIC AWARDS

In order for a senior to qualify for a major academic award (valedictorian, salutatorian, top 10 senior medal, archdiocesan summa scholars), 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, except for the archdiocesan summa scholars award which is calculated at the end of first semester 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 to ultimately graduate with their class, a course(s) that a student fails must be taken over for recovery credit through a St. Paul approved credit recovery program. Traditionally, St. Paul does not offer summer school classes. A final official grade report(s) from the credit recovery program must be sent to St. Paul upon completion of the course(s). When a student passes the credit recovery course(s), the grade on the student's transcript will be changed to a passing grade of a 60, the minimum passing grade allowed in St. Paul's 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 each semester (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 will be exempted from the final exam in that course. Such exemptions will be announced on the final day of class in each course.

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

St. Paul offers Advanced Placement program courses in Biology, Calculus AB, Computer Science A, Computer Science Principles, Drawing, 2-D Art and Design, English Language and Composition, English Literature and Composition, European History, French Language and Culture, Latin, Macroeconomics, Music Theory, Psychology, Spanish Language and Culture, United States Government, and United States History. **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.** St. Paul offers University of Connecticut ECE credit in Physics. All of these courses offer students the opportunity to obtain college level credit while still in high school.

HONORS LEVEL INSTRUCTION

Honors classes are offered to academically talented students who desire work at a 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 chair, school counselor, Dean of Academic Life, and family. 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.)

PROGRAM OF STUDIES

Freshman Year

0.5 Credit	Introduction to the Old Testament
0.5 Credit	Introduction to the New Testament
1 Credit	English I
1 Credit	Mathematics: Algebra I Part I, Algebra I, or Geometry
1 Credit	Biology I & II
1 Credit	World Language: French, Latin, or Spanish
0.5 Credit	Digital Literacy and Citizenship
0.5 Credit	Physical Education/Fitness/Dance
1 Credit	Elective(s)
7 Credits	Total

Sophomore Year

0.5 Credit	History of the Catholic Church
0.5 Credit	Living as a Disciple of Jesus Christ in Society
1 Credit	English II
1 Credit	Mathematics: Algebra I Part II, Geometry or Algebra II
1 Credit	Western Civilization I & II or AP European History
1 Credit	World Language: French, Latin, or Spanish
0.5 Credit	Physical Education/Fitness/Dance
0.5 Credit	Intro. to Human Biology & Health
1 Credit	Elective(s)
7 Credits	Total

Junior Year

0.5 Credit	St. Paul, Our Patron
0.5 Credit	Responding to the Call of Jesus Christ
1 Credit	American Literature or AP English III: Lang. & Composition
1 Credit	Mathematics: Applied Geometry, Algebra II, Pre-Calculus
1 Credit	U. S. History I & II or AP U.S. History
0.5 Credit	Introduction to Programming (Can be satisfied with CAD I A or Web Design and Programming I)
2.5 Credits	Electives
7 Credits	Total

Senior Year

0.5 Credit	Christian Morality and Conscience Formation
0.5 Credit	Ecumenical and Interreligious Issues
1 Credit	English IV or AP English IV: Literature
1 Credit	Mathematics: Applied Algebra II, Intro. to Data Analysis, Pre-Calculus, Calculus, Hon. Statistics
0.5 Credit	Personal Finance (Required for the Class of 2028)
0.5 Credit	American Government or AP Government (1 credit)
3 Credits	Electives (Classes of '25, '26, '27)
2.5 Credits	Elective (Class of 2028)
6.5 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

March/April

GRADE 10

PSAT

October

GRADE 11

PSAT/NMSQT

October

SAT Reasoning

March/May/June/August

ACT

April/June

GRADE 12

SAT Reasoning

October/November/December

ACT

September/October/December

THE COLLEGE NOW, HIGH SCHOOL PARTNERSHIP AND CHALLENGE 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 High School Partnership Program or through the College Now or Challenge Programs offered at certain local four-year colleges such as the University of Hartford or the University of St. Joseph.

An interested student must have a minimum 80.0 unweighted G.P.A. at St. Paul and must first receive 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.

The **HIGH SCHOOL PARTNERSHIP PROGRAM** is offered in the fall and spring semesters through the **CT State 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. The CT State Community College system sends application information directly to the school counselors during each semester's application cycle.

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 **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 attended St. Paul for at least two consecutive quarters and have a weighted career average of 92.00 or higher at the end of the first semester of their sophomore, junior, or senior year are academically eligible for induction in that year. Students are only capable of being eligible twice in their high school career. Eligible students will be required to complete an evaluation packet and an interview. 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 letters of recommendation; one should be completed and submitted by a faculty member and one by a responsible adult who is outside of the school staff and knows the student in a formal context. Finally, the packet requires a resume and a sheet which the student and a guardian sign in order to indicate understanding and acceptance of NHS policies. In addition to producing these materials, applicants to the NHS will be interviewed by the NHS adviser and/or members of the NHS Faculty Council.

In order for candidates in their sophomore year to be accepted into NHS, it is necessary to have completed, submitted, and fully documented the service hours required for sophomore year in addition to those of freshmen year before the due date of the application, which for the academic year 2024-2025 will be March 4, 2025; any sophomore who has not completed, submitted and fully documented their services hours for freshman and sophomore years by the due date of the evaluation packet will not be accepted into NHS.

Strong candidates will have exhibited good character, leadership, and service in the school community. Students aspiring to join the NHS should be aware that, since character is one of the pillars of the NHS, the history of their behavior at St. Paul will be considered during the application process, in which past major infractions of school rules (for example, bullying, vandalism, and violations of academic integrity) can disqualify a student from being admitted into the NHS. The evaluation packet will be reviewed by the five-member Faculty Council of the National Honor Society. The Council will vote whether or not to accept each candidate; a simple majority will be decisive.

Members must maintain the standards for induction, participate in Chapter activities, and observe the NHS Constitution and the Chapter Bylaws. Copies of these documents are available from the adviser. 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 of St. Paul is 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.”² 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.

Integrated into the Religion Department’s offerings are the mandated Safe Environments education program, currently *Teen Lures*. This is a video driven, discussion based micro-course, elements of which are integrated into each school year’s religion classes. The Religion Department also oversees the service learning and campus ministry programs for the school. Service hours are counted but not graded and are, as per the student handbook, a requirement for graduation.

INTRODUCTION TO THE OLD TESTAMENT (012)

0.5 Credit

Level: CP I

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.

Grade: 9

INTRODUCTION TO THE NEW TESTAMENT (013)

0.5 Credit

Level: CP I

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. 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.

Grade: 9

² *To Teach as Jesus Did*, no. 82

HISTORY OF THE CATHOLIC CHURCH (022)**0.5 Credit****Level: CP I**

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.

Grade: 10**LIVING AS A DISCIPLE OF JESUS CHRIST IN SOCIETY (023)****0.5 Credit****Level: CP I**

The purpose of this course is to allow students to begin to explore the critical, real-world issues that confront the Church. Beginning with an understanding of our Universal Call to Holiness, students begin to realize that the role of the Church is not merely an institutional issue, but that being Church requires awareness and action on social, political, and economic levels. Rooted in Jesus' teaching that the greatest commandment is love of God and love of neighbor, students begin to appreciate what it means to be a 'neighbor' to others, especially those least like them. They also build on the key tenet that the most fundamental of all of our social doctrine is that every person is created in the image and likeness of God and therefore is deserving of profound respect.

**Grade: 10****ST. PAUL, OUR PATRON (032)****0.5 Credit****Level: CP I**

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, St. 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.

Grade: 11

RESPONDING TO THE CALL OF JESUS CHRIST (033)**0.5 Credit****Level: CP I**

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 begin by developing an adequate human anthropology, as outlined by St. John Paul II in his *Theology of the Body*. Based on this anthropology, students will come to appreciate that all vocations flow from the Universal Call to Holiness and that each vocation has unique gifts to offer the Church and society. This course will be structured around the *Theology of the Body*, 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.

Grade: 11**CHRISTIAN MORALITY AND CONSCIENCE FORMATION (045)****0.5 Credit****Level: CP I**

In this course, students will recognize the challenge to embrace daily the dignity of the human person created in the image and likeness of God. Students will also be asked to discern how to reflect fully that image by living a virtuous life conformed to Christ. The course will teach the foundations of Christian morality using the Beatitudes and the Decalogue as the key guides in making moral decisions. Topics included in this course are the formation of conscience, the reality and nature of grace, the effects of personal and social sin, the dignity of human sexuality, and the sanctity of all life.

Grade: 12**ECUMENICAL AND INTERRELIGIOUS ISSUES (046)****0.5 Credit****Level: CP I**

This course broadens the student's perspective of the religious experience in the world by examining non-Catholic Christianity as well as a variety of religions including Judaism, Islam, and some of the Eastern religions. The course seeks to help young people unlock the doors to the world's major religious traditions and to appreciate the people, dimensions, and religious principles of the world's major religions.

Grade: 12

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. They are encouraged to think critically, to be productive, to grow spiritually, and to make moral decisions. Students need basic language skills to access and understand information, evaluate its quality, and convey ideas to others. Thus, language arts is 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. IXL is a powerful online platform utilized in all English classes to support and strengthen student's core ELA skills.

FRESHMAN STUDY SKILLS (101)

0.5 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 recommended to take this course.

Grade: 9

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.

Grade: 9

ENGLISH I (112) ♦**1 Credit****Level: CP I**

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.

Grade: 9**ENGLISH I (113)****1 Credit****Level: CP II**

This course is designed to encourage the development of reading, writing, listening and speaking skills. Writing will be presented as a means of exploring, developing, and communicating ideas. Students will draft and revise sentences and paragraphs and learn how to improve sentence structure and clarity through lessons of grammar and punctuation. Students will learn and implement the five steps of the writing process and MLA conventions and then generate thesis-driven essays based on the reading of fiction, nonfiction, drama and poetry. Vocabulary study for improved reading and writing will occur weekly.

Grade: 9**HONORS ENGLISH II (121) ♦****1 Credit****Level: HON**

Honors English II will help students 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 prepare for the SAT examination taken in their junior year.

Grade: 10**ENGLISH II (122) ♦****1 Credit****Level: CP I**

English II will guide students 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.

Grade: 10

ENGLISH II (123)**1 Credit****Level: CP II**

English II is designed for students who need concentrated work on English language skills in reading, writing, and oral communication. The improvement of reading comprehension through directed reading lessons and vocabulary study are a major focus of the course. Focus is also placed on expository writing skills. Small and large group discussions and projects on assigned topics are designed to improve literacy skills. Students will prepare for the SAT examination taken in their junior year.

Grade: 10**AP ENGLISH III: LANGUAGE AND COMPOSITION (130) ♦****1 Credit****Level: AP**

This advanced placement course will be offered to qualified juniors in preparation for The College Board Advanced Placement Language and Composition Exam. Students 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. AP Exams include a mandatory fee charged by the College Board which must be paid by in advance prior to taking the exam.

Grade: 11**HONORS AMERICAN LITERATURE (131) ♦****1 Credit****Level: HON**

Honors American Literature 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 and vocabulary.

Grade: 11

AMERICAN LITERATURE (132) ♦**1 Credit****Level: CP I**

American Literature will allow students to 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 and vocabulary.

Grade: 11**AMERICAN LITERATURE (133)****1 Credit****Level: CP II**

American Literature is designed for students who need continued concentrated work on English language skills in reading, writing, and oral communication. Students will study the culture and history of the United States from the Age of Exploration through the Modern Era. Studies will focus on works of fiction, non-fiction, poetry and drama. Close reading and analytic writing skills will be developed and emphasis will be placed on the rudiments of MLA parenthetical documentation. Vocabulary and grammar are included in all studies. The curriculum will include preparation for the SAT examination through the study of passage-based reading and vocabulary.

Grade: 11**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. AP Exams include a mandatory fee charged by the College Board which must be paid by in advance prior to taking the exam.

Grade: 12**ENGLISH IV (142) ♦****1 Credit****Level: CP I**

English IV 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.

Grade: 12

ENGLISH IV (143)**1 Credit****Level: CP II**

English IV's major objective is the development of writing and speaking skills, which will benefit the student professionally and personally. The course emphasizes the development of expository writing skills through directed and free writing assignments. Reading assignments serve as vehicles for improving comprehension skills and as a standard for good writing. In addition, the student has an opportunity to explore, through reading and class discussion, topics relevant to future decisions.

Grade: 12**HONORS ENGLISH IV (144) ♦****1 Credit****Level: HON**

Honors English IV 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. 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.

Grade: 12**CREATIVE WRITING (148) ♦.5****0.5 Credit****Level: CP I**

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.

Grades: 9, 10, 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 and French speaking worlds.

Students will engage in conversation as well as 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 culture. 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 9 and 10th grade international students attending St. Paul are required to be enrolled in the ELL (English Language Learner) program for one or two semesters.

LATIN I (211) ♦

1 Credit

Level: CPI

Latin I is a full-year course introducing students to the Latin language, including basic grammar and vocabulary. No previous experience of Latin is needed. Latin I begins the process of developing the skills of reading Latin and of translating it into English. Latin I also introduces students to Greco-Roman culture, literature, history, and mythology. In addition, students will take the National Latin Exam.

Grades: 9, 10, 11

LATIN II (212) ♦

1 Credit

Level: CPI

Latin II is a full-year course equipping students with a wider knowledge of Latin grammar and vocabulary. Students continue to develop their skills of reading Latin and of translating it into English. Building on the experience of Latin I, they also gain greater knowledge of Greco-Roman culture, literature, history, and mythology. In addition, students will take the National Latin Exam.

Grades: 9, 10, 11, 12

Prerequisite: Latin I (211) (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**

Latin III is a full-year course bringing the students' understanding of Latin to the point that students can read authentic Latin literature. The course has two phases. In the first phase, students study advanced topics in Latin grammar. In the second phase, students read and translate excerpts from Caesar's "Gallic War" and Vergil's "Aeneid." In this way, all students completing Latin III gain the experience of reading classical Latin literature, and those students who intend to take a fourth year of Latin get a taste of the upcoming material. Accordingly, students also continue their study of Greco-Roman culture, literature, history, and mythology. 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 Chair.****HONORS LATIN IV (214) ♦****1 Credit****Level: HON**

Honors Latin IV is a full-year course in which students read classical Latin literature. Students can expect to translate approximately 1,200 lines of Latin text. While students continue to hone their skills of reading and translation, they also perform literary analysis of the texts which they are reading. The goal is not simply to translate the Latin texts but also to understand them and appreciate them as literature. Toward that end, students also continue their study of Greco-Roman culture, literature, history, and mythology. 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 Chair.****AP LATIN (219) ♦****1 Credit****Level: AP**

AP Latin is a full-year course in which students read classical Latin literature, specifically the excerpts of Caesar's "Gallic War" and Vergil's "Aeneid" stipulated by the AP Latin curriculum. Students can expect to translate approximately 1,800 lines of Latin text. While students continue to hone their skills of reading and translation, they also perform literary analysis of the texts which they are reading. In accordance with the standards of the AP Latin curriculum, the goal of this course is not simply to translate the Latin texts but also to understand them and appreciate them as literature. Toward that end, students also continue their study of Greco-Roman culture, literature, history, and mythology. In addition, students will take the National Latin Exam.

All students enrolled in the course will be required to take the AP Latin exam in May. AP Exams include a mandatory fee charged by the College Board which must be paid by in advance prior to taking the exam.

Grade: 12**Prerequisites: Minimum 88 average in Latin III (213) and permission of the Department Chair.**

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

This course begins 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 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 I are essential to students' future successes in French II through French IV. Students are expected to incorporate the use of the language lab and the online learning platform as part of the curriculum. In addition, students will take the National French Exam.

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

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 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. Students are expected to incorporate the use of the language lab and the online learning platform as part of the curriculum. In addition, students will take the National French Exam.

Grades: 9, 10, 11, 12

Prerequisite: French I (221) (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.)



Level: CP I

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 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. Practice in reading comprehension will be achieved using a novel chosen each year. Students are expected to incorporate the use of the language lab and the online learning platform as part of the curriculum. In addition, students will take the National French Exam.

Grades: 10, 11, 12

Prerequisites: Minimum 75 average in French II (222) and permission of the Department Chair.

HONORS FRENCH IV (224) ♦**1 Credit**

Level: HON

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 Francophonie. 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 aesthetics. 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. Students are expected to incorporate the use of the language lab and the online learning platform as part of the curriculum. In addition, students will take the National French Exam.

Grades: 11, 12

Prerequisites: Minimum 85 average in French III (223) and permission of the Department Chair.

AP FRENCH: LANGUAGE & CULTURE (226) ♦**1 Credit****Level: AP**

AP French Language and Culture is equivalent to an intermediate level college course in French. Students cultivate their understanding of French language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges. In addition, students will take the National French Exam.

All students enrolled in the course will be required to take the AP French Language & Culture exam in May. AP Exams include a mandatory fee charged by the College Board which must be paid by in advance prior to taking the exam.

Grade: 12

Prerequisites: Minimum 88 average in Honors French III (223) and permission of the Department Chair.

SPANISH I (231) ♦**1 Credit****Level: CPI**

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 pronunciations, 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 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**

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 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

Prerequisite: Spanish I (231) (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: CP I**

This course concentrates on grammar, conversation, and composition work. It continues the development of vocabulary and grammar learned in Spanish I & II. Emphasis is placed on verbal 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 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 Chair.****HONORS SPANISH IV (234) ♦****1 Credit****Level: HON**

This course concentrates on grammar, conversation, and composition work. It continues the development of vocabulary and grammar learned in the first three years of Spanish. Emphasis is placed on verbal 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 verbally their opinions on related topics. Students are expected to complete many individual or group verbal 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 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 Chair.****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. AP Exams include a mandatory fee charged by the College Board which must be paid by in advance prior to taking the exam.

Grade: 12**Prerequisites: Minimum 88 average in Honors Spanish IV (234) and permission of the Department Chair.**

ELL I (251)**0.5 Credit****Level: CP I**

This course is tailored to meet the particular needs of all 9th and 10th grade 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**ELL II (252)****0.5 Credit****Level: CP I**

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**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. ALEKS and My Math Lab are powerful online tools that are utilized for homework and tutoring throughout the math course offerings at St. Paul. They provide immediate feedback for students and help them gain better understanding through interactive learning aids. **A Texas Instruments 84 Plus graphing calculator is required for all courses.**

HONORS ALGEBRA I (411) ♦

1 Credit

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

Level: CP I

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

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**

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**Prerequisite: Algebra I, Part I (414)****HONORS GEOMETRY (421) ♦****1 Credit****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. These topics 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 will be a part of the course. The course 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 an acceptable performance on the Algebra I Placement Exam administered in May.

GEOMETRY (422) ♦**1 Credit****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 will be a part of this course. The course 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 Geometry with an acceptable performance on the Algebra I Placement Exam administered in May.

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 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.

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

Honors Algebra II is a fast-paced, honors course that builds upon the foundations established in Honors Algebra I. The main topics covered are linear, quadratic, polynomial, exponential, logarithmic, and rational functions, arithmetic and geometric sequences and series. Applications in statistics, data analysis, and geometry will continue to be integrated into the material. Desmos and ALEKS software will supplement traditional seatwork and homework and will be part of the learning and assessment of some topics. Honors Algebra II students will be required to solve word problems that require the application of the algebraic manipulation skills taught. The course 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 Chair.****ALGEBRA II (432) ♦****1 Credit****Level: CP I**

Algebra II is a standard college preparatory course that builds upon the foundations established in Algebra I. The main topics covered are linear, quadratic, polynomial, exponential, logarithmic, and rational functions. Applications in statistics, data analysis, and geometry will continue to be integrated into the material. Desmos and ALEKS software will supplement traditional seatwork and homework and will be part of the learning and assessment of some topics. Algebra II students will be required to solve word problems that require the application of the algebraic manipulation skills taught. The course includes sections intended to prepare students for multiple-choice testing on standardized exams such as the PSAT and SAT.

Grades: 10, 11**Prerequisite: Geometry (422)**

APPLIED ALGEBRA II (433)**1 Credit****Level: CP II**

Applied Algebra II is the fourth course in a sequence designed to enable students, who find mathematics challenging, to cover all the math topics required for college admission. A review of the topics covered in Algebra I, Part I and II is supplemented with introductions to quadratic functions and polynomial functions. An integrated approach and manipulation of variable expressions and concepts of function and relation will form the core of the course. The course includes sections intended to prepare students for multiple-choice testing on standardized exams such as the SAT.

Grade: 12**Prerequisite: Applied Geometry (423)****HONORS PRE-CALCULUS (441) ♦****1 Credit****Level: HON**

This honors 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 Chair.****PRE-CALCULUS (442) ♦****1 Credit****Level: CP I**

Pre-Calculus is a standard college preparatory course where 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 students for calculus.

Grades: 11, 12**Prerequisite: Algebra II (432) or permission of the Department Chair.**

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. AP Exams include a mandatory fee charged by the College Board which must be paid by in advance prior to taking the exam.

Grade: 12

Prerequisite: 87 or higher in Honors Pre-calculus (441) or 92 or higher in CP Pre-calculus (442)

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) or an 87 or higher in 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 Chair.

Level: CP I

Introduction to Data Analysis will emphasize the process, but not the theory, of data analysis. This course will be computationally intensive. Students will learn sampling techniques, numerical and graphical summaries of data, regression, confidence intervals, and hypothesis testing. Upon completion of this course, students should be able to think critically about data, to create graphical and numerical summaries, to apply standard statistical inference procedures, and to draw conclusions from such analyses. Students will use graphing calculators and Microsoft Excel as analytical tools. Microsoft Excel will also be utilized to create data presentations. This course will be evaluated mainly through performance-based assessment.

Grade: 12**Prerequisite: Algebra II (432)**

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 0.5 credit in Introduction to Human Biology and 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.

INTRODUCTION TO HUMAN BIOLOGY AND HEALTH (514)

0.5 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, infectious diseases, basic first aid & CPR. This course also investigates mental health, self-esteem and the importance of well-being and responsible decision-making about personal health. This course meets the graduation requirement for health.

Grade: 10

HONORS BIOLOGY I (524) ♦.5

0.5 Credit

Level: HON

Honors Biology I is a comprehensive course that provides in-depth knowledge of biological theory and critical reasoning skills that will be the foundation for further study. Major concepts of biology will be studied as they apply to organisms. The topics covered in this course will include: the process of science, the chemical basis of life, cell structure and function, microscopic examination of living cells, photosynthesis and cellular respiration. 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.

Grade: 9

HONORS BIOLOGY II (525) ♦.5

0.5 Credit

Level: HON

Honors Biology II is a continuation of in-depth knowledge of biological theory and critical reasoning skills learned in Honors Biology I. Topics covered include: cellular reproduction, patterns of inheritance, genetics, concepts of evolution, ecological processes, plants structure and function, and science career exploration. 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.

Grade: 9

BIOLOGY I (526) ♦.5**0.5 Credit****Level: CP I**

Biology I is a comprehensive course that provides in-depth knowledge of biological theory as well as critical thinking and reasoning skills that will be the foundation for further study, but paced to give students an opportunity to master topics introduced in class and increase their knowledge of the content. Major concepts of biology will surround the concept of homeostasis and using the scientific method to answer many questions regarding life itself. Topics covered in this course include: the scientific method, characteristics of life, ecology, cell structure and function, photosynthesis, and the process of cellular respiration and its role in the human body. Laboratory work will be a part of the learning experience.

Grade: 9**BIOLOGY II (527) ♦.5****0.5 Credit****Level: CP I**

Biology II is a continuation of in-depth knowledge of biological theory, critical thinking and reasoning skills learned in Biology I. Topics covered in this course include: Inheritance, genetics, cellular reproduction, adaptation and evolution, viruses, plant structure and function, and science career exploration. Laboratory work will be a part of the learning experience.

Grade: 9**BIOLOGY I (528)****0.5 Credit****Level: CP II**

This Biology course provides students with a general understanding of the field of Biology. It is paced at a level that will enable students to strengthen individual comprehension of topics covered in class. The topics covered in this course are: the scientific method, characteristics of life, ecology, cell structure and function, photosynthesis, and the process of cellular respiration and its role in the human body. Laboratory work will be a part of the learning experience.

Grade: 9**BIOLOGY II (529)****0.5 Credit****Level: CP II**

This Biology course is a continuation of the concepts learned in Biology I and paced at a level that will enable students to strengthen individual comprehension of topics covered in class. The topics covered in this course are: Inheritance, genetics, cellular reproduction, adaptation and evolution, plant structure and function, and science career exploration. Laboratory work will be a part of the learning experience.

Grade: 9

HONORS CHEMISTRY I (534) ♦.5**0.5 Credit****Level: HON**

Honors Chemistry I 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 additional, more complex concepts, such as, quantum mechanics, electron notation, ion formation, the Octet Rule, molecular shape and bond angle, molecular mass, and the mole concept. Laboratory experiences emphasize and reflect deductive and inductive reasoning processes of the Scientific Method of Discovery.

Grades: 10, 11, 12**Prerequisites: Honors Biology I (524, 525) and departmental approval.****HONORS CHEMISTRY II (535) ♦.5****0.5 Credit****Level: HON**

Honors Chemistry II is a continuation of the intensive study of chemical principles from Honors Chemistry I. This course focuses on the “why” of chemistry – discovering and applying the rules and laws of nature that, once recognized, allow prediction and explanation of chemical behavior. Topics covered include: ion formation and valence prediction, limiting factor stoichiometry, Slater’s Rules, electronegativity, chemical equilibrium and kinetics, and the interactions of matter and energy in regard to physical phase change. Laboratory work will continue to be an integral part of the program emphasizing the design and implementation of lab procedures and promoting student critical thinking skills.

Grades: 10, 11, 12**Prerequisites: Honors Biology I & II (524, 525), Honors Chemistry I (534) and departmental approval.****CHEMISTRY I (536) ♦.5****0.5 Credit****Level: CP I**

Chemistry I is the science of the composition, structure, properties, and reactions of matter, especially of atomic and molecular systems. The course begins with a recognition of the logic and order in the universe and the Scientific Method of Discovery as our main investigative tool. Topic covered include: atomic theory, the nature, composition and structure of atomic particles, atoms and molecules, ion formation and chemical bonding. Laboratory work focuses on learning the use, function and proper application of common lab equipment for a variety of qualitative and quantitative applications.

Grades: 10, 11, 12**Prerequisites: Biology I & II (526, 527)****CHEMISTRY II (537) ♦.5****0.5 Credit****Level: CP I**

Chemistry II is a continuation of the study of matter both in greater depth and scope. Topics covered include: chemical reactions, stoichiometry, the interaction of matter and energy, the nature of gases, liquids and solids, acids and bases, oxidation-reduction and nuclear chemistry. More complex laboratory work will enhance, support and reinforce class concepts.

Grades: 10, 11, 12

Prerequisites: Biology I & II (526, 527) and Chemistry I (536)

UConn ECE 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 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 graphing calculator to class. Students who qualify may earn eight UConn credits.

Grade: 12

Prerequisites: 87 or higher in Honors Chemistry I & II (534, 534) and Honors Algebra II(431), or 92 or higher in Chemistry I & II (536, 537) and College Prep Algebra II (432)

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 I (543) ♦.5

0.5 Credit

Level: HON

Honors Physics I covers the following topics: mechanics, conservation laws, wave theory, and thermodynamics. Problem-solving techniques are stressed and made an integral part of the course. Laboratory experiments follow 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 graphing calculator to class daily.

Grade: 12

Prerequisite: Honors Algebra II (431)

HONORS PHYSICS II (544) ♦.5

0.5 Credit

Level: HON

Honors Physics II covers electricity, magnetism, electronics, optics, relativity, and nuclear physics. Problem-solving techniques are stressed and made an integral part of the course. Laboratory experiments follow 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 graphing calculator to class daily.

Grade: 12

Prerequisites: Honors Algebra II (431) and Honors Physics I (543)

FUNDAMENTAL PHYSICS I (545) ♦.5**0.5 Credit****Level: CP I**

The main focus of Fundamental Physics I is recognizing and applying the “laws of nature” to gain a better understanding and realization of the logic and order that actually exists in a complex universe. Fundamental Physics I does this through lecture, demonstration, problem solving and laboratory investigation at a math level reflective of algebra and geometry. This course covers the following topics: Newton’s Laws, momentum, acceleration, linear and projectile motion, equilibrium and center of gravity.

Grade: 12**Prerequisite: Honors Algebra II (431) or Algebra II (432)****FUNDAMENTAL PHYSICS II (546) ♦.5****0.5 Credit****Level: CP I**

Fundamental Physics II is a continuation of Fundamental Physics I with emphasis on the scientific study of “mechanics” of the universe. Some of the topics covered in this course include: properties of matter, changes in physical state, the electromagnetic spectrum, thermodynamics, electricity and magnetism, and nuclear physics.

Grade: 12**Prerequisites: Honors Algebra II (431) or Algebra II (432) and Fundamental Physics I (545)****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 the process, students are required to complete a significant amount of self-driven, inquiry-based laboratory work. Primary emphasis in this course is on critical thinking and analytical application in applying the concepts rather than on memorizing terms and technical details.

All students enrolled in this course are expected to be taking or have already taken Honors Human Anatomy and Physiology I & II (558, 559). Students are recommended to take Honors Introduction to Organic Chemistry (556) and Honors Introduction to Biochemistry (557) prior to taking AP Biology. All students enrolled in the course will be required to take the AP Biology exam in May. AP Exams include a mandatory fee charged by the College Board which must be paid by in advance prior to taking the exam.

Grades: 11, 12**Prerequisites: Honors Biology I & II (524, 525), Honors Chemistry I & II (534, 535), Honors Human Anatomy and Physiology I & II (558, 559) and departmental approval. Honors Human Anatomy and Physiology I & II (558, 559) can be taken concurrently with AP Biology.**

HONORS HUMAN ANATOMY AND PHYSIOLOGY I (558) ♦.5**0.5 Credit****Level: HON**

Honors Human Anatomy and Physiology I is an advanced life science course designed for college-bound students with a sincere interest in the medical and health sciences. This course will include a comprehensive study of the structures and functions of the human body at both the microscopic and gross anatomy levels with emphasis on the following topics: levels of organization, and support and movement. 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 preserved organ specimens from representative animals.

All students taking this course are required to complete dissections.

Grades: 11, 12

Prerequisites: Honors Biology I & II (524, 525), Honors Chemistry I & II (534, 535) and departmental approval.

HONORS HUMAN ANATOMY AND PHYSIOLOGY II (559) ♦.5**0.5 Credit****Level: HON**

Honors Human Anatomy and Physiology II is a continuation of Honors Human Anatomy and Physiology I and will include a comprehensive study of the structures and functions of the human body at both the microscopic and gross anatomy levels with emphasis on the following: Integration and coordination, transport, absorption and excretion and science career exploration. Laboratory work will play an integral role in the learning experience, with a strong emphasis on the dissection of preserved organ specimens from representative animals.

All students taking this course are required to complete dissections.

Grades: 11, 12

Prerequisites: Honors Biology I & II (524, 525), Honors Chemistry I & II (534, 535), Honors Human Anatomy and Physiology I (558) and departmental approval.

HUMAN ANATOMY AND PHYSIOLOGY I (560) ♦.5**0.5 Credit****Level: CP I**

Human Anatomy and Physiology I is a life science course designed for college-bound students interested in pursuing studies in the field of biology. This course will include a comprehensive study of the structures and functions of the human body. Topics covered in this course include: levels of organization, and support and movement. Laboratory work will play an integral role in the learning experience, with a strong emphasis on the dissection of preserved organ specimens from representative animals.

All students taking this course are required to complete dissections.

Grades: 11, 12

Prerequisites: Biology I & II (526, 527)

HUMAN ANATOMY AND PHYSIOLOGY II (561) ♦.5**0.5 Credit****Level: CP I**

Human Anatomy and Physiology II is a continuation of Human Anatomy and Physiology I with emphasis on the following topics: Integration and coordination, transport, absorption and excretion and science career exploration. Laboratory work will play an integral role in the learning experience, with a strong emphasis on the dissection of preserved organ specimens from representative animals.

All students taking this course are required to complete dissections.

Grades: 11, 12

Prerequisites: Biology I & II (526, 527) and Human Anatomy and Physiology I (560)

INTRODUCTION TO GENETICS (554) ♦.5**0.5 Credit****Level: CP I**

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 genotypes, phenotypes, genes and the affect mutations have on cells and proteins. This course will also include investigations into human diseases from a genetics/molecular view.

Grades: 10, 11, 12

Prerequisites: Biology I & II (526, 527) and departmental approval.

HONORS INTRODUCTION TO ORGANIC CHEMISTRY (556) ♦.5**0.5 Credit****Level: HON**

Honors Introduction to Organic Chemistry is a one semester course which focuses on the “chemistry” of covalently bonded carbon-chain compounds. The course begins with an overview of aliphatic and aromatic hydrocarbons – structure and naming, isomerism, unique reactions, and common use and application. Additionally, the chemistry of plastics, petroleum, drugs, fertilizer, and food additives are common topics further pursued. Potentially, his course could be a useful “leg-up” to anyone considering the petrochemical industry; medical, pharmaceutical, or health field; environmental or forensics careers.

Grades: 11, 12

Prerequisites: Honors Chemistry I & II (534, 535) and departmental approval.

HONORS INTRODUCTION TO BIOCHEMISTRY (557) ♦.5**0.5 Credit****Level: HON**

Honors Introduction to Biochemistry is a one semester course which focuses on the specific organic chemistry of living things. It examines the chemistry of the major food groups; hormones and enzymes, digestion and synthesis, glycolysis, protein synthesis and the process of biological energy production, use and storage. This course starts with a rapid review 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. This course could be an excellent complement to many advanced Biology courses and a useful topics introduction for anyone considering the medical, pharmaceutical or health fields.

Grades: 11, 12**Prerequisites: Honors Chemistry I & II (5314, 535), Honors Introduction to Organic Chemistry (556) and departmental approval.****ENVIRONMENTAL STUDIES (562) ♦.5****0.5 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**COMPARATIVE ANIMAL BIOLOGY (574) ♦.5****0.5 Credit****Level: CPI**

Comparative Animal Biology is a course in which various activities and dissections will be performed to gain a better understanding of the evolution, characteristics, structures and functions of animals. Students will learn how the events involved in the formation of earth and time periods played an integral role in the development of animals. Examination of cladograms, dichotomous keys, and animal body systems are also an integral part of the course.

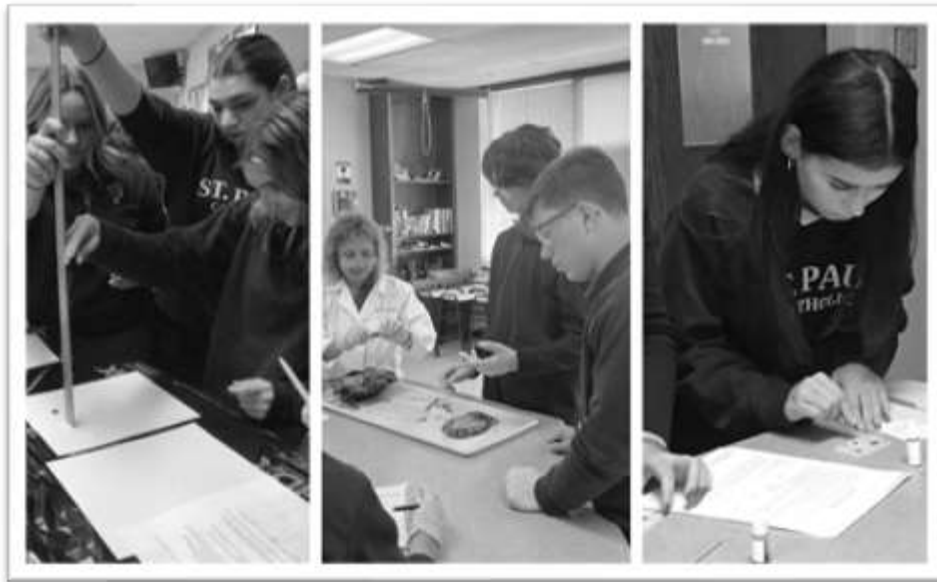
GRADES: 10, 11, 12**FORENSIC SCIENCE I (582) ♦.5****0.5 Credit****Level: CPI**

Forensic Science I introduces topics based on specific types of evidence and the techniques used to collect and analyze the evidence. As the 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, collection, handling and examination of trace evidence, examination and identification of hair, fibers and fingerprints, blood typing and blood spatter analysis, and DNA fingerprinting. Analysis of current and past cases are also included in this course.

Grades: 11, 12

Level: CP I

Forensic Science II will continue to explain scientific techniques used in forensics, but it will broach topics that were not introduced in Forensics I such as determining post mortem interval, impressions, forensic entomology, forensic anthropology, glass analysis, handwriting analysis, forgery, cybercrime and other cases involving forensic science. Students will be responsible for the application of principles learned from Forensic Science I in order to solve cases and make informed conclusions about a series of events.

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 social studies 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. 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.

HONORS WESTERN CIVILIZATION I (614) ♦.5

0.5 Credit

Level: HON

The first semester of Honors Western Civilization traces the development of European cultures from Roman times to the sixteenth century. Students will demonstrate factual knowledge of major aspects of Western Civilization, understand the currents underlying specific phenomena, and make connections between events, people, etc. Emphasis is placed on primary sources so that students come into direct contact with the material which they are studying. Topics include the culture, religion, literature, politics, and arts of Europe.

Grade: 10

HONORS WESTERN CIVILIZATION II (615) ♦.5

0.5 Credit

Level: HON

The second semester of Honors Western Civilization traces the development of European cultures from the sixteenth century to the present age. Students will demonstrate factual knowledge of major aspects of Western Civilization, understand the currents underlying specific phenomena, and make connections between events, people, etc. Emphasis is placed on primary sources so that students come into direct contact with the material which they are studying. Topics include the culture, religion, literature, politics, and arts of Europe. Students will produce a brief research paper.

Grade: 10

WESTERN CIVILIZATION I (616) ♦.5

0.5 Credit

Level: CP I

The first semester of CP Western Civilization traces the development of European cultures from Roman times to the sixteenth century. Students will demonstrate factual knowledge of major aspects of Western Civilization, understand the currents underlying specific phenomena, and make connections between events, people, etc. Topics include the culture, religion, literature, politics, and arts of Europe.

Grade: 10

WESTERN CIVILIZATION II (617) ♦.5**0.5 Credit****Level: CP I**

The second semester of CP Western Civilization traces the development of European cultures from the sixteenth century to the present age. Students will demonstrate factual knowledge of major aspects of Western Civilization, understand the currents underlying specific phenomena, and make connections between events, people, etc. Topics include the culture, religion, literature, politics, and arts of Europe.

Grade: 10**WESTERN CIVILIZATION I (618)****0.5 Credit****Level: CP II**

The first semester of the CPII level of Western Civilization follows the development and narrative of western cultures from Roman times to sixteenth century. 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.

Grade: 10**WESTERN CIVILIZATION II (619)****0.5 Credit****Level: CP II**

The second semester of the CPII level of Western Civilization follows the development and narrative of western cultures from the sixteenth century 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.

Grade: 10**EASTERN CIVILIZATION (621) ♦.5****0.5 Credit****Level: CP I**

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 (Students in grades 10, 11, 12 need permission of Department Chair.)**ANCIENT GREECE (622) ♦.5 (Available during the 2024-2025 school year)****0.5 Credit****Level: CP I**

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.

Grades: 9, 10

ANCIENT ROME (623) ♦.5 (Available during the 2025-2026 school year)**0.5 Credit****Level: CP I**

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.

Grades: 9, 10**DEBATE & RHETORIC (624) ♦.5****0.5 Credit****Level: CP I**

This course aims to equip students with the skills and knowledge necessary to be effective and persuasive public speakers. Development of critical thinking and active listening skills are the primary goals of this course. By the conclusion of the semester, students should be able to effectively, through various rhetorical strategies, construct and present logical and well-constructed arguments, engage in respectful and professional debates and critically analyze their opponent's views. Much of this course depends on active participation. This course also provides an optional avenue to competitive debate through participation in the CT Debate Association.

Grades: 9, 10, 11, 12**HONORS UNITED STATES HISTORY I (692) ♦.5****0.5 Credit****Level: HON**

An in-depth look at American history from the Colonial Era to the Reconstruction Era after the Civil War. This course uses a high reading level text and numerous supplementary primary source documents to enable students to express higher level thinking skills in both oral and written presentations. All tests have an essay component. Projects are assigned to challenge the student and prepare them for college level courses. The required research paper for Honors United States History II will be started during this course.

Grade: 11**Prerequisite: Minimum 85 average in Honors Western Civilization I & II (614, 615) or 95 average in Western Civilization I & II (617, 618).****HONORS UNITED STATES HISTORY II (693) ♦.5****0.5 Credit****Level: HON**

A continued in-depth study into American History from the Progressive and Imperial Ages in America to the Modern Era including the attacks on 9-11. This course uses a high-level text book and numerous written assignments and interactive projects and presentations. This course challenges a student's ability to grasp a large amount of content. It is meant to prepare students for the academic rigor of a college education. The research paper started in Honors United History I will be completed.

Grade: 11**Prerequisite: Minimum 85 average in Honors Western Civilization I & II (614, 615) or 95 average in Western Civilization I & II (617, 618).**

UNITED STATES HISTORY I (694) ♦.5**0.5 Credit****Level: CP I**

This course is a chronological survey of United States history from the Post-Revolutionary period through the Reconstruction period. 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 and essays to demonstrate comprehension of course materials. Students will also begin the research paper process.

Grade: 11**UNITED STATES HISTORY II (696) ♦.5****0.5 Credit****Level: CP I**

This course is a chronological survey of United States history from Industrialization 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 and essays to demonstrate comprehension of course materials. Students will complete a major research paper.

Grade: 11**UNITED STATES HISTORY I (697)****0.5 Credit****Level: CP II**

This course follows the development of America from the Post-Revolutionary period to Reconstruction. It enables students not only to understand the events that 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. Students will complete tests and SRQs (short response questions) to demonstrate comprehension of course materials. Students will begin the research paper process.

Grade: 11**UNITED STATES HISTORY II (698)****0.5 Credit****Level: CP II**

This course follows the development of America from Industrialization to the present. It enables students not only to understand the events that 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. Students will complete tests and SRQs (short response questions) to demonstrate comprehension of course materials. Students will complete a major research paper.

Grade: 11

INTRODUCTION TO CRIMINAL JUSTICE (636) ♦.5**0.5 Credit****Level: CP I**

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**CRIMINAL JUSTICE II (638) ♦.5****0.5 Credit****Level: CP I**

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 (636)****AP MACROECONOMICS (645) ♦****1 Credit****Level: AP**

AP Macroeconomics explores the principles of economics that apply to an economic system as a whole. Students will use graphs, charts, and data to analyze, describe, and explain economic concepts. 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.

All students enrolled in the course will be required to take the AP Macroeconomics exam in May. AP Exams include a mandatory fee charged by the College Board which must be paid by in advance prior to taking the exam.

Grade: 11, 12**Prerequisite: 88 or higher in Honors Western Civilization I & II (614, 615) or permission of the Department Chair.**

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. AP Exams include a mandatory fee charged by the College Board which must be paid by in advance prior to taking the exam.

Grade: 12

Prerequisite: Minimum 87 average in Honors U.S. History I & II (692, 693) or a minimum 80 average in AP U.S. History (661) or permission of the Department Chair.

HONORS AMERICAN GOVERNMENT (651) ♦.5**0.5 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.

Grade: 12

Prerequisite: Minimum 87 average in Honors U.S. History I & II (692, 693) or a 95 average in U.S. History I & II (694, 696)

AMERICAN GOVERNMENT (652) ♦.5**0.5 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.

Grade: 12

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. AP Exams include a mandatory fee charged by the College Board which must be paid by in advance prior to taking the exam.

Grade: 11

Prerequisite: 88 or higher in Honors Western Civilization I & II (614, 615) or permission of the Department Chair.

PSYCHOLOGY (662) ♦.5**0.5 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**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. AP Exams include a mandatory fee charged by the College Board which must be paid by in advance prior to taking the exam.

Grades: 11, 12

Prerequisite: 88 or higher in Honors Western Civilization I (614, 615) or Honors American History I & II (692, 693) or permission of the Department Chair.

HONORS PHILOSOPHY: A HISTORICAL INTRODUCTION (665) ♦.5**0.5 Credit****Level: HON**

This course will introduce students to major authors and texts of western philosophy from ancient Greece to the modern day. The primary goal of the course is to give students an understanding of historically and enduringly important questions, concepts, arguments, etc. which the students can examine and evaluate comparatively. In addition, to support the school's Catholic mission, relevant passages of St. Thomas Aquinas' Summa Theologica will be consulted throughout the course as a running commentary on texts written by other authors.

Grades: 11, 12**SOCIOLOGY (672) ♦.5****0.5 Credit****Level: CP I**

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

This full-year course traces the development of Europe in all its aspects---cultural, religious, literary, philosophical, artistic, political, social, etc.--from the fifteenth century to the present age. Students will demonstrate factual knowledge of major aspects of European history, understand the currents underlying specific phenomena, and make connections between events, people, etc. Students will produce a brief research paper. Emphasis is placed on primary sources so that students come into direct contact with the material which they are studying. Students will receive extensive practice in analysis of primary and secondary sources. They will be trained to think critically as historians do, so as to be prepared for the AP exam.

All students enrolled in the course will be required to take the AP European History exam in May. AP Exams include a mandatory fee charged by the College Board which must be paid by in advance prior to taking the exam.

Grades: 10, 12**Prerequisite: Permission of the Department Chair.**

ARTS, BUSINESS & TECHNOLOGY DEPARTMENT

The Arts, Business & Technology 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.

MUSIC AND PERFORMING ARTS

CHORAL MUSICIANSHIP (801)

0.5 Credit

Level: CP I

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 and is allowed to be taken twice in one school year.

Grades: 9, 10, 11, 12

INSTRUMENTAL STUDIES (802)

0.5 Credit

Level: CP I

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 will implement several of the National Music Standards, providing a well-balanced curriculum. This course may be repeated for additional credits and is allowed to be taken twice in one school year.

Grades: 9, 10, 11, 12

PIANO AND ELECTRIC GUITAR (825)

0.5 Credit

Level: CP I

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 two semesters are highly recommended. This course may be only repeated once.

Grades: 9, 10, 11, 12

MUSIC TECHNOLOGY I: DESKTOP PC RECORDING (827)**0.5 Credit****Level: CP I**

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**MUSIC TECHNOLOGY II: FOUNDATIONS OF MIDI SEQUENCING (852)****0.5 Credit****Level: CP I**

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 several different software and hardware setups.

Grades: 9, 10, 11, 12**Prerequisites: Piano/Electric Guitar (825) and a grade of 80 or above in Music Technology I (827).****MUSIC THEORY I A (863)****0.5 Credit****Level: HON**

The Music Theory A course is designed to enhance music skills and basic music fundamentals. The essential aspects of melody, harmony, rhythm, and form are studied. Throughout the semester students will study basic notation, scales, key signatures, intervals, triads, cadences, non-chord tones. Aural dictation and ear training are also an integral part of the course. This is the first of the two-part Music theory I course that is a prerequisite for the AP Music Theory course.

Grades: 10, 11, 12**MUSIC THEORY I B (864)****0.5 Credit****Level: HON**

This course is the second part of the Music Theory I sequence. Students will expand their knowledge working on musical forms, part-writing, basic composition, and music analysis. Aural dictation and ear training are also an integral part of the course. This course is a prerequisite for AP Music Theory.

Grades: 10, 11, 12**Prerequisites: Music Theory I A (863)**

AP MUSIC THEORY – MUSIC THEORY II (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. AP Exams include a mandatory fee charged by the College Board which must be paid by in advance prior to taking the exam.

Grades: 11, 12**Prerequisites: 87 or higher in Music Theory IB (864) and permission of the Department Chair.****PRACTICAL DV FILMMAKING (850)****0.5 Credit****Level: CP I**

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**DRAMA I (860)****0.5 Credit****Level: CP I**

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)****0.5 Credit****Level: CP I**

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)**

STAGECRAFT (862)**0.5 Credit****Level: CPI**

Stagecraft is the study of the technical side of theatre. This course will introduce students, both novice and experienced, to a practical approach in both technical and production aspects of theatre. Students will learn the skills needed to construct scenery, properties, hang and focus lighting instruments, and a variety of other techniques. Students will also learn and explore areas of scenic, lighting and sound design. This course is production oriented. Students in the course will be assisting in creating the world of each St. Paul Performing Arts production. Stagecraft may not be repeated.

Grades: 10, 11, 12**Prerequisite: Drama I (860)****MUSICAL THEATER DANCE I (867)****0.5 Credit**

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. Musical Theatre Dance I may not be repeated.

Grades: 9, 10, 11, 12**MUSICAL THEATER DANCE II (868)****0.5 Credit**

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. Musical Theatre Dance II may not be repeated.

Grades: 10, 11, 12**Prerequisites: Musical Theatre Dance I (867) and approval of the instructor.****VISUAL ARTS****CRAFTS (817)****0.5 Credit****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-mâché, 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

ART FUNDAMENTALS (849)**0.5 Credit****Level: CP I**

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.

Grades: 9, 10, 11**3-D DESIGN (847)****0.5 Credit****Level: CP I**

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) or permission of art instructor based upon evaluation of a portfolio.****DRAWING (845)****0.5 Credit****Level: CP I**

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.**

PAINTING (846)**0.5 Credit****Level: CP I**

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), Drawing (845) or permission of the art instructor based upon evaluation of a portfolio.****HONORS STUDIO ART I (848)****0.5 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. 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.

Grades: 10, 11, 12**Prerequisite: Drawing (845) and Painting (846) or permission of the art instructor.****HONORS STUDIO ART II (818)****0.5 Credit****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)**

Level: AP

AP 2-D Art and Design 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.

All students enrolled in the course will be required to submit their AP 2-D Art and Design portfolio in May to the College Board. AP Exams include a mandatory fee charged by the College Board which must be paid by in advance prior to taking the exam.

Grades: 11, 12

Prerequisites: Honors Studio Art (848) and permission of the art instructor based upon evaluation of a portfolio.

AP DRAWING (854)**1 Credit****Level: AP**

The AP Drawing course is offered to students who are seriously interested in a commitment to the practical experience of art and wish to develop mastery in the concept, composition and execution of their ideas. This course is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year to the AP College Board for review. Assignments are challenging and require thought, individual interpretation and strong visual and technical skills. Significant outside work is required to meet the standards of quality (and quantity) required for portfolio submission. This course addresses advanced concepts and techniques in Drawing, as well as a wide range of aesthetic concepts, critical thinking, and vocabulary. Exploration of mediums within this area will include graphite, charcoal, chalk pastels, collage, watercolor, scratchboard, acrylic painting, and colored pencils. Student are encouraged to explore other mediums independently. The focus is on the use of the Elements of Art and Principles of Design to create engaging works of art that are personally meaningful. At the completing of the course, students will have produced a minimum of 24 works that satisfy the requirements of the Quality, Concentration, and Breadth sections of the AP Studio Art Drawing Portfolio.

All students enrolled in the course will be required to submit their AP Drawing portfolio in May to the College Board. AP Exams include a mandatory fee charged by the College Board which must be paid by in advance prior to taking the exam.



Grades: 11, 12

Prerequisites: Honors Studio Art (848) and permission of the art instructor based upon evaluation of a portfolio.

BUSINESS/TECHNOLOGY

DIGITAL LITERACY & CITIZENSHIP (710)

0.5 Credit

Level: CP I

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 use of the digital tools at their disposal. Students will be provided with a practical introduction to the iPad as a productive educational device in 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, and intellectual property in the digital age. Students will develop and apply advanced skills in word processing, spreadsheets, and presentations. Students will gain a working knowledge of Microsoft Word, Excel, and PowerPoint. In addition, this course will introduce students to web applications provided through Google Apps. At the end of this course, students will know how to harness the power of technology safely, responsibly and effectively to enhance their own learning experience and productivity.

Grade: 9

BUSINESS PRINCIPLES AND PRACTICES (716)

0.5 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, and business law in order to establish a solid understanding of the business environment. The class will explore what businesses are and investigate how businesses operate and how they are managed. Students will also learn about different management and leadership styles and learn the process for completing a business plan.

Grades: 10, 11, 12

ACCOUNTING I A (735)

0.5 Credit

Level: CP I

This is the first part of the Accounting I sequence. Accounting I 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.

Grades: 10, 11, 12

ACCOUNTING I B (737)**0.5 Credit****Level: CP I**

This is the second part of the Accounting I sequence. Students will learn how to analyze and record business transactions. They 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.

Grades: 10, 11, 12**Prerequisites: Accounting I A (735)****ACCOUNTING II (733)****0.5 Credit****Level: CP I**

Accounting II continues the study of contemporary accounting practices, with an emphasis on financial and managerial accounting. The goal is to identify and analyze business transactions, define the characteristics of business entities, identify the interdependency of financial statements, employ managerial accounting techniques, and communicate this information to users with different needs. Financial accounting topics include liabilities, equities, investments, and business entities. Managerial accounting topics include job order and process costing, cost-volume-profit analysis, and budgets.

Grades: 11, 12**Prerequisite: Accounting I B (737)****MARKETING (734)****0.5 Credit****Level: CP I**

Marketing will introduce students to current marketing concepts and practices. The course builds on five major customer value and engagement themes: creating customer value, engaging customers, building and managing strong brands, measuring and managing return on marketing, and implementing sustainable marketing. The class will present numerous real-life examples and stories that engage students with marketing concepts and bring modern marketing to life. Students will understand consumer needs and wants, determine target markets, and develop strategies to attract customers.

Grades: 11, 12**WEB DESIGN AND PROGRAMMING I (748)****0.5 Credit****Level: CP I**

In this course, students learn how websites are designed and created, and explore what makes a good user experience. Students will explore the basics of the languages behind the web, HTML and CSS, along with planning and visual design aspects of web design. No prior coding experience is necessary. This is the first of the two-part web design course sequence required for advanced programming courses. This course satisfies the 0.5 credit requirement of Introduction to Coding.

Grades: 9, 10, 11, 12

WEB DESIGN AND PROGRAMMING II (749)**0.5 Credit****Level: CP I**

This is the second of the two-part web design course sequence required for advanced programming courses such as Game Programming or the AP programming classes. In addition to HTML and CSS, students will be introduced to the Javascript language. Students will learn how to make their web sites interactive.

Grades: 9, 10, 11, 12**Prerequisites: Web Design and Programming I (748)****AP COMPUTER SCIENCE A (742) ♦****1 Credit****Level: AP**

AP Computer Science A is equivalent to a first-semester, college-level CS1 course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using the Java programming language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. 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. AP Exams include a mandatory fee charged by the College Board which must be paid by in advance prior to taking the exam.

Grades: 11, 12**Prerequisites: Web Design and Programming I & II (748, 749) & currently enrolled in Pre-Calculus (441 or 442), Calculus (451 or 452) or Hon. Statistics (474)****HONORS iPad ACTION GAME PROGRAMMING (745)****(Available during the 2025-2026 school year)****0.5 Credit****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, Wings3D and SWIFT while also learning valuable programming and game design skills in the process.

Grades: 10, 11, 12**Prerequisites: Web Design and Programming I & II (748, 749) and permission of the Department Chair.**

INTRODUCTION TO PROGRAMMING (746)**0.5 Credit****Level: CP I**

This course is an introductory programming course that combines programming with animation, using the programming environment Alice. Students will first learn to tell 3D animated stories by programming Alice's 3D objects. In particular, students will learn how to setup a scene, to tell a story using storyboarding, to move the camera, and learn how to move and rotate objects. Students will learn programming concepts such as how to write instructions, repetition, making decisions and grouping similar items together. Students will combine these concepts to build 3D animations and games.

Grades: 11**AP COMPUTER SCIENCE PRINCIPLES (747) ♦****1 Credit****Level: AP**

AP Computer Science Principles introduces students to the breadth of the field of computer science. Prior computer science experience is not required to take this course. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. As the application of computer science is integrated into more aspects of our lives, it is important to understand the impact of computer science and how to maintain privacy, safety, and security not only when using computers but also while being the innovators of new computing applications. The course strives to engage all students by allowing them to discover the power of computer science through rewarding and engaging concepts. This course satisfies the 0.5 credit requirement of Introduction to Coding.

All students enrolled in the course will be required to take the AP Computer Science Principles exam in May. AP Exams include a mandatory fee charged by the College Board which must be paid by in advance prior to taking the exam.

Grades: 11, 12

Prerequisite: Minimum 85 average in Honors Geometry (421) or Honors Algebra II (431) and a minimum 85 average in Honors English II (121).

ROBOTICS (750) (Available during the 2024-2025 school year)**0.5 Credit****Level: CP I**

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: 9, 10, 11, 12



COMPUTER-AIDED DESIGN I A (803)

0.5 Credit

Level: CP I

This is the first part of the beginning CAD sequence. Computer-Aided Design I A 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 *Chief Architect*. This course satisfies the 0.5 credit requirement of Introduction to Coding.

Grades: 9, 10, 11, 12

COMPUTER-AIDED DESIGN I B (804)

0.5 Credit

Level: CP I

This is the second part of the beginning CAD sequence. Computer-Aided Design I B 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 *Chief Architect*. This course satisfies the 0.5 credit requirement of Introduction to Coding.

Grades: 9, 10, 11, 12

Prerequisite: Computer-Aided Design I A (803)

COMPUTER-AIDED DESIGN II A (805)

0.5 Credit

Level: CP I

This is the first part of the intermediate CAD sequence. Computer-Aided Design II A is the advanced level of computer-aided 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-Aided Design I B (804)

COMPUTER-AIDED DESIGN II B (806)**0.5 Credit****Level: CP I**

This is the second part of the intermediate CAD sequence. Computer-Aided Design II B is the advanced level of computer-aided 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-Aided Design II A (805)****COMPUTER-AIDED DESIGN III A (807)****0.5 Credit****Level: CP I**

This is the first part of the advanced CAD sequence. Computer-Aided Design III A 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-Aided Design II B (806)****COMPUTER-AIDED DESIGN III B (808)****0.5 Credit****Level: CP I**

This is the second part of the advanced CAD sequence. Computer-Aided Design III B 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-Aided Design III A (807)****PERSONAL FINANCE (814)****0.5 Credit****Level: CP I**

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, analyzing case studies, and reading current articles in financial publications. Simulations, content-sensitive videos, and the Financial Reality Fair will be used to support the curriculum.

Grades: 11, 12

COMMUNICATIONS (815)**0.5 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)****0.5 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**PHYSICAL EDUCATION****EXEMPTION FROM PHYSICAL EDUCATION (910)****0.5 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)****0.5 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)**0.5 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)****0.5 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)****0.5 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

0.5	101	Freshman Study Skills	9			
0.5	148	Creative Writing	9	10	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				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	226	AP French: Language & Culture				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

SCIENCE

0.5	534	Honors Chemistry I		10	11	12
0.5	535	Honors Chemistry II		10	11	12
0.5	536	Chemistry I		10	11	12
0.5	537	Chemistry II		10	11	12
1	540	UConn ECE Physics				12
0.5	543	Honors Physics I				12
0.5	544	Honors Physics II				12
0.5	545	Fundamental Physics I				12
0.5	546	Fundamental Physics II				12
1	550	AP Biology			11	12
0.5	558	Honors Human Anatomy and Physiology I			11	12
0.5	559	Honors Human Anatomy and Physiology II			11	12
0.5	560	Human Anatomy and Physiology I			11	12
0.5	561	Human Anatomy and Physiology II			11	12

0.5	554	Introduction to Genetics		10	11	12
0.5	556	Honors Introduction to Organic Chemistry			11	12
0.5	557	Honors Introduction to Biochemistry			11	12
0.5	562	Environmental Studies		10	11	12
0.5	574	Comparative Animal Biology		10	11	12
0.5	582	Forensic Science I			11	12
0.5	583	Forensic Science II			11	12

SOCIAL STUDIES

0.5	621	Eastern Civilization	9			
0.5	622	Ancient Greece	9	10		
0.5	624	Debate & Rhetoric	9	10	11	12
0.5	636	Introduction to Criminal Justice			11	12
0.5	638	Criminal Justice II			11	12
1	645	AP Macroeconomics			11	12
0.5	662	Psychology			11	12
1	663	AP Psychology			11	12
0.5	665	Honors Philosophy: A Historical Introduction			11	12
0.5	672	Sociology			11	12
1	686	AP European History		10		12

BUSINESS / TECHNOLOGY

0.5	716	Business Principles and Practice		10	11	12
0.5	735	Accounting I A		10	11	12
0.5	737	Accounting I B		10	11	12
0.5	733	Accounting II			11	12
0.5	734	Marketing			11	12
0.5	748	Web Design and Programming I	9	10	11	12
0.5	749	Web Design and Programming II	9	10	11	12
1	742	AP Computer Science A			11	12
1	747	AP Computer Science Principles			11	12
0.5	750	Robotics	9	10	11	12
0.5	803	Computer-Aided Design I A	9	10	11	12
0.5	804	Computer-Aided Design I B	9	10	11	12
0.5	805	Computer-Aided Design II A		10	11	12
0.5	806	Computer-Aided Design II B		10	11	12
0.5	807	Computer-Aided Design III A			11	12
0.5	808	Computer-Aided Design III B			11	12
0.5	814	Personal Finance			11	12
0.5	815	Communications		10	11	12
0.5	816	Architecture		10	11	12

MUSIC AND PERFORMING ARTS

0.5	801	Choral Musicianship	9	10	11	12
0.5	802	Instrumental Studies	9	10	11	12
0.5	825	Piano and Electric Guitar	9	10	11	12
0.5	827	Music Technology I	9	10	11	12
0.5	863	Music Theory I A		10	11	12
0.5	864	Music Theory I B		10	11	12
1	829	AP Music Theory (Music Theory II)			11	12
0.5	850	Practical DV Filmmaking			11	12
0.5	852	Music Technology II	9	10	11	12
0.5	860	Drama I	9	10	11	12
0.5	861	Drama II		10	11	12
0.5	862	Stagecraft		10	11	12
0.5	867	Musical Theatre Dance I	9	10	11	12
0.5	868	Musical Theatre Dance II		10	11	12

VISUAL ARTS

0.5	817	Crafts	9	10	11	12
0.5	818	Honors Studio Art II		10	11	12
1	835	AP 2-D Art and Design			11	12
0.5	845	Drawing	9	10	11	12
0.5	846	Painting	9	10	11	12
0.5	847	3-D Design	9	10	11	12
0.5	848	Honors Studio Art		10	11	12
0.5	849	Art Fundamentals	9	10	11	
1	854	AP Drawing			11	12

PHYSICAL EDUCATION

0.5	930	Introduction to Sports Conditioning	9	10	11	12
0.5	931	Team Sports			11	12
0.5	935	Advanced Fitness and Conditioning		10	11	12