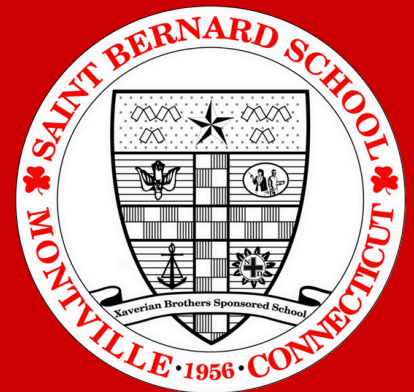


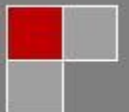
2024-25



SAINT BERNARD

COURSE DESCRIPTION BOOK

SAINT BERNARD SCHOOL
1593 Norwich New London Turnpike
Uncasville, CT 06382
www.saintbernardschool.org
860-848-1271



CONTACT INFORMATION

ADMINISTRATION

Mr. Don Macrino

Head of School

Mr. Ted Kenyon

Assistant Head of School

SCHOOL COUNSELING

Mrs. Holly Cyr'85, LCSW

Director of School Counseling
& Summer Programming

hcyr@saint-bernard.com / Ext: 120
Students with last name starting with:
Grades: 6,7,8 & 9,12 L-Z
Grade: 10,11 N-Z

Ms. Erica Massad'15, BS

School Counselor

emassad@saint-bernard.com / Ext: 129
Students with last name starting with:
Grades: 6,7,8 & 9,12 A-K
Grade: 10,11 A-M

Mrs. Deborah Ingoglia

School Counseling Associate
dingoglia@saint-bernard.com / Ext: 128

SAINT BERNARD SCHOOL

1593 Norwich New London Turnpike
Uncasville, CT 06382
www.saintbernardschool.org
Phone: 860-848-1271
Main Office Fax: (860) 848-1274
Counseling Office Fax: 860-848-7440
CEEB Code: 070428

TABLE OF CONTENTS

COURSE REQUIREMENTS

Middle School	ii
High School Graduation	ii
Sample Course Requirement	iii

COURSES BY DEPARTMENT

Theology	1-2
English	3-5
Mathematics	6-9
Science	10-12
Social Studies	13-15
World Language Department	16-20
World Cultures	16
Exploratory Languages	16
English as a Second Language	3 & 16
French	17
Spanish	18-19
Latin	20
Business	21
Computer Science	22-24
Physical Education/Health	25
Visual & Performing Arts	26-31
Visual Arts	26-29
Performing Arts	29-31
Courses Offered at a Glance by Dep.	32-35

MIDDLE SCHOOL REQUIREMENTS

6th Grade

Religion
Language Arts
Mathematics
Science
Social Studies
World Cultures
Art
Music
PE & Health
Seminar

7th Grade

Religion
Language Arts
Mathematics
Science
Social Studies
Exploratory Language**
Art
Music
PE & Health
Seminar

8th Grade

Religion
Language Arts
Mathematics*
Science
Social Studies
Spanish I* / French I* / Latin I
PE/Health
Electives:
Art, Band, Choir,
Computer Science*, or
Study Hall

* Middle school students enrolled in high school level courses (Algebra I, Spanish I, French I, Exploring Computer Science I/II) will automatically receive high school credit on their high school transcript.

**Class of 2030 will be taking World Cultures during the 2024-2025 School Year

High School Graduation Requirements

- All students must carry at least seven (7) credits each year.
- Twenty-eight (28) credits are required for graduation.
- Fifty (50) hours of community service are required for grades 9-12.

Class of 2025, 2026

Theology		4 credits
English		4 credits
Mathematics		4 credits
Science	(1 credit Biology and 1 credit Chemistry)	3 credits
Social Studies	(1 credits US History, ½ credit Civics, and 1 ½ credits World History)	3 credits
Physical Education		1 credit
Visual/Performing Arts		1 credit
World Language (in the same language)		2 credits
Health		½ credit
Electives		5 ½ credits

Class of 2027 and all subsequent classes are required to take Personal Finance

Theology		4 credits
English		4 credits
Mathematics		4 credits
Science	(1 credit Biology and 1 credit Chemistry)	3 credits
Social Studies	(1 credits US History, ½ credit Civics, and 1 ½ credits World History)	3 credits
Physical Education		1 credit
Visual/Performing Arts		1 credit
World Language (in the same language)		2 credits
Health		½ credit
Financial Literacy		½ credit
Electives		5 credits

Physical Education Credit Options for All Students

One full credit in Physical Education is required for graduation.

Students have the following opportunities to earn this credit.

1. Taking a Physical Education class.
2. Taking other designated Physical Education classes (*Strength & Conditioning & Nutrition & Exercise. This does not include Health, which is required for graduation.*)
3. Through interscholastic athletics:

For each sport season completed in good standing, 0.25 credit may be awarded. The student must be a member of the sports team for the entire season and in good standing to earn the credit.

SAMPLE HIGH SCHOOL COURSES BY GRADE

GRADE 9	GRADE10
<ul style="list-style-type: none"> ● Theology 1 ● World Literature / Honors W. Lit, ESL* ● Mathematics ● Biology / Honors Biology ● World History 1 / Honors W. Hist. I ● French I,II,III <i>or</i> Latin 1 <i>or</i> Spanish I,II, <i>or</i> ESL* ● Fine Arts <i>or</i> Band/Chorus ● PE/Health 	<ul style="list-style-type: none"> ● Theology 2 ● British Literature / Honors Brit. Lit, ESL* ● Mathematics ● Chemistry / Honors Chemistry ● World History 2 (.5) with ● U.S. Government and Civic (.5) ● French I,II,III <i>or</i> Latin I, II <i>or</i> Spanish I,II, III,IV, <i>or</i> ESL* ● Fine Arts <i>or</i> Band/Chorus ● PE/Health <p>Electives: Select 3</p> <p>1. _____</p> <p>2. _____</p> <p>3. _____</p>
7 - 8 Credits	7 - 8 Credits
GRADE 11	GRADE 12
<ul style="list-style-type: none"> ● Theology 3 ● American Literature <i>or</i> ● AP Language & Composition, ESL* ● Mathematics ● AP Biology <i>or</i> AP Chemistry <i>or</i> ● Anatomy & Physiology <i>or</i> ● Physics <i>or</i> Environmental <i>or</i> ● Forensic Science (.5) ● U.S. History/AP ● PE/Health ● Financial Literacy <p>Electives: Select 3</p> <p>1. _____</p> <p>2. _____</p> <p>3. _____</p>	<ul style="list-style-type: none"> ● Theology 4 ● Senior Literature <i>or</i> ● AP Literature & Composition, ESL* ● Mathematics <p>Electives: Select 5</p> <p>1. _____</p> <p>2. _____</p> <p>3. _____</p> <p>4. _____</p> <p>5. _____</p> <p style="text-align: right; font-size: small;"><i>* International Students Only</i></p>
7 - 8 Credits	7 - 8 Credits
<p>Number of Courses required for Graduation:</p> <ul style="list-style-type: none"> ● 4 Theology ● 4 English ● 4 Mathematics ● 3 Science ● 3 History ● 2 World Language ● 1 PE (required before entering 12th grade) ● .5 Health (Completed by Junior Year) ● .5 Financial Literacy (Beginning with the class of 2027) <div style="text-align: right; padding-right: 50px;"> <p>For students in grades 9-12</p> <p>Credits needed for graduation</p> <p style="padding-left: 20px;">22.5 academic credits and</p> <p style="padding-left: 20px;">5.5 elective credits</p> <p>Total High School Credits: 28</p> </div>	

Note: Many AP classes have summer assignments that must be completed prior to the start of the school year.

THEOLOGY

Saint Bernard School is a Catholic school. The Theology courses at Saint Bernard are taught in conformity with the teachings of the Roman Catholic Church. The courses offered provide students with an opportunity to become aware of the richness of the Catholic faith, to deepen their spiritual growth and development, and to foster an intellectual inquiry into selected areas of the study of Theology. No attempt is made to proselytize to seek to convert non-Catholic students through this course of study.

6th GRADE RELIGION 006

Grade: 6 Duration: 2 Semesters No Credit

Using the Loyola Press *Christ Our Life* series, students will study the Old Testament.

7th GRADE RELIGION 007

Grade: 7 Duration: 2 Semesters No Credit

Using the Loyola Press *Christ Our Life* series, students will study the New Testament.

8th GRADE RELIGION 008

Grade: 8 Duration: 2 Semesters No Credit

Using the Loyola Press *Christ Our Life* series, students will study the History of the Church.

THEOLOGY I 010

Grade: 9 Duration: 2 Semesters Level: Advanced
Credit: One

This course is an introduction to the Theology curriculum. The focus is to present the essential beliefs of the Catholic faith. The course will survey topics that include the concept of God; the Person of Jesus Christ; the Creed; the role of the Church as the teacher and guide to understanding the Faith, Prayer, and Sacraments; and the Blessed Virgin Mary.

THEOLOGY II 020

Grade: 10 Duration: 2 Semesters Level: Advanced
Credit: One

This course follows the introductory course by examining Sacred Scripture as the divinely revealed Word of God. The student will examine both the oral and written tradition of God's covenant with His Chosen People in the Old Testament and with us today in the New Testament. The student will study the meaning and words of the Creation narratives, the lives of Abraham, Isaac, Jacob, Moses, the Kings and the Prophets. In the New Testament, the student will study the Gospels, some Epistles, the Acts of the Apostles, and a brief examination of the book of Revelation. This course intends to lead the student to a fuller understanding of the words and works of Jesus Christ as Redeemer and Savior of His People and His active role in our lives today.

THEOLOGY III 030

Grade: 11

Duration: 2 Semesters

Level: Advanced

Credit: One

The first semester provides the students with an in-depth study of the world's largest religions. The focus of the course will be on the major precepts of these religions, the different ways people worship and express their beliefs, and how these religions affect everyday life in different parts of the world. The second semester provides the student with the fundamental principles of Catholic moral decision-making including such topics as free will, conscience, grace, the Ten Commandments, and virtues. This course hopes to enable the student to make good moral decisions in their lives and to assist them in forming a strong Christian conscience in order to make ethically and morally sound decisions.

THEOLOGY IV 040

Grade: 12

Duration: 2 Semesters

Level: Advanced

Credit: One

This course explores the Biblical and Church foundations for justice and our response to those who are “the least” in our society. Issues such as poverty, racial prejudice, peace-making and other topics will be discussed. Throughout the course, our call to holiness is emphasized as students begin the journey of discerning life vocations.

ENGLISH

6th GRADE LANGUAGE ARTS 106

Grade: 6

Duration: 2 Semesters

No Credit

The 6th grade Language Arts class focuses on four components – grammar, reading, writing, and vocabulary. Students are encouraged to read and respond to classroom literature and self-selected novels. Knowledge and application of critical thinking skills are explored in journal writing. Students are introduced to the five-paragraph essay and complete a research project. Sentence structure, grammar, and vocabulary are emphasized in all class assignments.

7th GRADE LANGUAGE ARTS 107

Grade: 7

Duration: 2 Semesters

No Credit

The 7th grade English class emphasizes five components: grammar, reading, writing, vocabulary, and speaking. Grammar is explored throughout the year in a variety of writing assignments. Critical thinking skills will be utilized for various literary works and are reflected in discussions, five-paragraph essays, journal writing, and a research project. Selected class assignments are also used to improve speaking skills. Sentence structure, grammar, spelling, and vocabulary are emphasized in all assignments.

8th GRADE LANGUAGE ARTS 108

Grade: 8

Duration: 2 Semesters

No Credit

The 8th grade English class emphasizes five components: grammar, reading, writing, vocabulary, and speaking. Students are exposed to fiction, non-fiction, and poetry. Grammar and vocabulary are explored separately and then infused into the writing program. The five-paragraph paper is emphasized in several types of written assignments including persuasive, expository, descriptive, informative, and compare/contrast essays. Critical-thinking skills are utilized as students explore many issues in various literary works and reflect through discussions, presentations, and journaling. Sentence structure, grammar, spelling, and vocabulary are emphasized in all class assignments.

ENGLISH AS A SECOND LANGUAGE (ESL) 572

Grades: 6 – 12

Duration: 2 Semesters
International StudentsLevel: Advanced
Credit: One

This course is for non-native speakers and examines English around the world. The focus is on strengthening listening, reading, and speaking skills. Students will engage in class discussions including topics that examine culture and current events through a variety of media. There will be a strong emphasis on oral presentations

WORLD LITERATURE 110

Grade: 9

Duration: 2 Semesters

Level: Advanced
Credit: One

World Literature will chronologically present representative selections of the literature of the world. Each culture will be given an historical context, a summary of major literary and philosophical movements, and writers' techniques. Vocabulary will be studied from an assigned book as well as from the literature. Writing skills will focus on the development of the five-paragraph essay.

HONORS WORLD LITERATURE 112

Grade: 9

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisite: Selection based on entrance exam score or 85+ in 8th Grade Language Arts..

Honors World Literature will chronologically present representative selections of the literature of the world. Each culture will be given an historical context, a summary of major literary and philosophical movements, and writers' techniques. Work in this course will be done to improve critical reading, thinking, and writing with an emphasis on literary analysis. Vocabulary will be studied from an assigned book as well as from the literature. Writing skills will focus on the development of the five-paragraph essay and beyond.

BRITISH LITERATURE 120

Grade: 10

Duration: 2 Semesters

Level: Advanced
Credit: One

British Literature is a chronological survey of the literature of Great Britain in literary and cultural contexts from the Anglo-Saxon period to the relative present. Representative works from the major genres will be read and responded to orally and in writing. Emphasis will be placed on literary analysis and critical reading, thinking, and writing. Vocabulary will be studied from an assigned text and from the literature selections.

HONORS BRITISH LITERATURE 122

Grade: 10

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisite: 85+ average in Honors World Literature (112) or 90+ average in World Literature (110)

Honors British Literature is a chronological survey of the literature of Great Britain in literary and cultural contexts from the Anglo-Saxon period to the relative present. Representative works from the major genres will be read and responded to orally and in writing. Emphasis will be placed on literary analysis and critical reading, thinking, and writing. Vocabulary will be studied from an assigned text and from the literature selections.

AMERICAN LITERATURE 130

Grade: 11

Duration: 2 Semesters

Level: Advanced
Credit: One

American Literature is a chronological survey of literature from Native American orally transmitted sources to the relative present. Critical reading and writing skills will be developed through study of representative works from the major genres. Vocabulary will be studied from an assigned text and the literary selections with an emphasis on preparation for standardized testing.

AP ENGLISH LANGUAGE & COMPOSITION 150

Grade: 11

Duration: 2 Semesters

Level: AP
Credit: One

Prerequisite: 85+ average in Honors British Literature (122) or 90+ average in British Literature (120)

The Advanced Placement English/Language and Composition course is designed to help students become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and to become skilled writers who can compose for a variety of purposes commensurate with introductory college level courses. This course will provide students with the information necessary to read analytically, formulate theories and arguments based on the readings, and respond by composing articulate essays that utilize advanced elements of sentence structure, syntax, style, purpose and tone. Students will understand rhetorical principles employed by writers and incorporate this knowledge in their own critical thinking as well as written work. In addition, students will be required to thoroughly research relevant topics, synthesize information from a variety of sources, and document their knowledge according to MLA standards. The syllabus for this course has been audited and approved by the College Board.

SENIOR LITERATURE 140

Grade: 12

Duration: 2 Semesters

Level: Advanced
Credit: One

Students will read a sampling of literature from various genres. Emphasis will be placed on literary analysis and critical reading, thinking, and writing. Vocabulary will be studied from an assigned text and from the literature selections.

AP ENGLISH LITERATURE & COMPOSITION 151

Grade: 12

Duration: 2 Semesters

Level: AP
Credit: One

Prerequisites: 85+ average in Advanced Placement English Language and Composition (150) or 90+ average in American Literature (130)

The Advanced Placement English/Literature and Composition course is planned to lead a group of students to attain the level of reading and writing skills commensurate with introductory college level courses. In class, students will closely study a number of works in conjunction with outside readings. Students will be encouraged to test their responses to these works against their peers, the instructor, and literary critics. The study of literature will focus on perceptive reading and critical analysis of literature. Individual works will be examined with regard to language, character, theme, structure, meaning, and value. Students will learn and use the vocabulary of literary criticism. The general areas of language and composition will also be pursued in regard to organization of ideas and the resources of language available for the honest, concise, and effective expression of ideas. The syllabus for this course has been audited and approved by the College Board.

ENGLISH ELECTIVES

NOTE: Elective courses *DO NOT* satisfy the English requirement for graduation. An elective course is offered only if enough students subscribe to the course. The decision to offer an elective course is an administrative decision.

CREATIVE WRITING 170

Grade: 11, 12

Offered: 2nd Semester

Level: Advanced
Credit: .5

Creative Writing acknowledges and celebrates the mystery as well as the fundamentals which encompass the creative writing experience and endeavors. Students are guided from the most basic process of putting words on paper, to learning about the disciplines and tools that will help students know writing both as self-discovery and as a disciplined approach to creative expression and exploration. Literary genres (poetry, non-fiction and short story), their terms, definitions, and approaches are presented to produce pieces that encompass creativity and discipline. Revisions and appropriate exercises help students realize the potential of their works. Enrollment will be limited to 20 students, with seniors given preference.

PUBLIC SPEAKING 171

Grade: 11, 12

Offered: 1st SemesterLevel: Advanced
Credit: .5

The citizens of the 21st Century must be able to express themselves effectively orally. Public Speaking will prepare students for that task. Topics to be considered include the relationship of the student to public speaking and the value of public speaking, the role of the speaker and listener; the primary methods and tools of the speaker (including voice, non-verbal delivery, audience analysis, topic selection, delivery); and speech preparation. Students will deliver basic speeches to inform on a variety of topics. Students will be given time to research their topics and to prepare their speeches.

MATHEMATICS

The Mathematics Department at Saint Bernard School matches a program of study to each individual student. Many of the courses utilize the "ALEKS" program of which the licensing fees are billed through FACTS.

Any student interested in a math-related field should take at least one of the Pre-Calculus courses and, if possible, Calculus.

6th GRADE MATHEMATICS 206

Grade: 6

Duration: 2 Semesters

No Credit

This course reinforces basic mathematical concepts, procedures, and vocabulary that will be needed in upper-level algebra and geometry. Topics include the four basic operations, exponents, geometric formulas, algebraic concepts, ratios, percentages, signed numbers, fractions, and decimals. Problem solving strategies are also discussed at length.

7th GRADE MATHEMATICS 207

Grade: 7

NEW COURSE

Duration: 2 Semesters

No Credit

This course reinforces basic mathematical concepts, procedures, and vocabulary that will be needed in upper-level algebra and geometry. Topics include the four basic operations, exponents, geometric formulas, algebraic concepts, ratios, percentages, signed numbers, fractions, and decimals. Problem solving strategies are also discussed at length.

PRE-ALGEBRA 208

Grade: 7, 8

Duration: 2 Semesters

No Credit

Prerequisite: 6th grade math

This course reinforces arithmetic skills, developing the pre-algebra concepts of variable recognition, signed numbers, formulas, and single variable equations. Students will be introduced to algebraic symbolism, simplifying expressions, solutions to elementary equations, and the graphic representations associated with variables.

ALGEBRA I 210

Grade: 8, 9,10

Duration: 2 Semesters

Level: Advanced
Credit: One

Topics covered in Algebra I include functions, systems of equations, exponential and radical functions, and data analysis. Some topics from probability and geometry may also be addressed if time permits.

FUNDAMENTALS OF ALGEBRA I 211

Grade: 8, 9

Duration: 2 Semesters

Level: Advanced

Grade 8: No Credit
Grade 9: One Credit

Prerequisite: Completion of Pre-Algebra (207) & Instructor Recommendation

Topics will be covered at a slower pace and will include, but are not limited to, the ability to solve and simplify equations, solve and graph inequalities, solve rational equations, solve and graph linear equations. Students will be prepared to take Algebra I in the following school year.

HONORS ALGEBRA I 212

Grade: 8, 9

Duration: 2 Semesters

Grade 8: No Credit

Level: Honors
Credit: One

Prerequisite: 90 or higher in Pre-Algebra (207)

Topics covered in Algebra I include functions, systems of equations, exponential and radical functions, and data analysis. Some topics from probability and geometry may also be addressed if time permits. Honors Algebra I may address additional topics such as matrices, piecewise functions, number theory, and other advanced topics as time allows. The Honors section moves significantly faster and therefore requires an advanced understanding of the material.

GEOMETRY 220

Grade: 9, 10, 11

Duration: 2 Semesters

Level: Advanced
Credit: One

Prerequisite: Completion of Algebra I (210) or Honors Algebra I (212)

The focus of this course is on traditional geometry topics such as triangles and quadrilaterals, surface area and volume, and basic trigonometry and may also include graphing and graphical interpretation.

HONORS GEOMETRY 222

Grade: 9, 10

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisite: 90 or higher in Honors Algebra I (212)

The focus of this course is on traditional geometry topics such as triangles and quadrilaterals, surface area and volume, and basic trigonometry and may also include graphing and graphical interpretation. Honors Geometry may address additional topics, especially topics in non-Euclidean geometry. Other advanced topics may be covered as time allows. The Honors section moves significantly faster and therefore requires an advanced understanding of the material.

ALGEBRA II 231

Grade: 10, 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: One

Prerequisites: Geometry (220) or Honors Geometry (222)

Topics covered in Algebra II include rational, radical, exponential and logarithmic functions, sequences and series, applications of geometry, and the basics of trigonometric functions. The honors course may also address matrices, trigonometric identities, and the theorems on which algebra is based.

HONORS ALGEBRA II 232

Grade: 10, 11

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisites: 90 or higher in Honors Geometry (222)

Topics covered in Algebra II include rational, radical, exponential and logarithmic functions, sequences and series, applications of geometry, and the basics of trigonometric functions. The honors course may also address matrices, trigonometric identities, and the theorems on which algebra is based. Honors Algebra II may address additional topics such as matrix algebra, trigonometry, and the fundamental theorems of algebra. The Honors section moves significantly faster and therefore requires an advanced understanding of the material.

FOUNDATIONS OF ADVANCED MATHEMATICS (FOAM) 234

Grade: 12

Duration: 2 Semesters

Level: Advanced
Credit: One

Prerequisite: Completion of Algebra II (231)

The course begins with a comprehensive review of topics from Algebra I, Geometry, and Algebra II followed by a general introduction to the properties and behavior of trigonometric functions. Students will be prepared to satisfy a math requirement in college.

INTRODUCTION TO TRIGONOMETRY 236

Grade: 11

Duration: 2 Semesters

Level: Advanced
Credit: One

Prerequisite: Completion of Algebra II (231)

The course covers the fundamentals of trigonometry and trigonometric functions after a detailed review of topics from the Algebra sequence. Students will be prepared to take either Precalculus or Foundations of Advanced Mathematics the following year.

PRE-CALCULUS 240

Grade: 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: One

Prerequisite: 80 or higher in Algebra II (231) or Honors Algebra II (232)

Precalculus is designed to prepare students for Calculus, either in high school or in college. After a quick review of Algebra I and II, some of the pre-calculus topics covered are trigonometric functions, solving right and oblique triangles, complex numbers, sequences, and series.

HONORS PRE-CALCULUS 242

Grade: 11, 12

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisite: 90 or higher in Honors Algebra II (232)

After a quick review of Algebra I and II, some of the pre-calculus topics covered are trigonometric functions, solving right and oblique triangles, complex numbers, sequences, and series. A graphing calculator is required for Honors. Honors Precalculus may address additional topics such as matrix algebra, polar coordinates, parametric equations, and other advanced topics as time allows. The Honors section moves significantly faster and therefore requires an advanced understanding of the material.

CALCULUS 244

Grade: 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: One

Prerequisite: 80 or higher in Pre-Calculus (240) or 70 or higher in Honors Pre-Calculus (242)

This course presents an overview of calculus topics including limits, differentiation, and integration. Upon completion, students will be prepared to take an introductory level college calculus course.

HONORS CALCULUS 246

Grade: 11, 12

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisite: 90 or higher in Pre-Calculus (240) or 85 or higher in Honors Pre-Calculus (242)

Honors Calculus covers the foundations of a college Calculus I course. Topics covered include limits, differentiation, integration, and applications of derivatives and integrals. The Honors section moves significantly faster and therefore requires an advanced understanding of the material.

INTRODUCTION TO MULTIVARIABLE CALCULUS & DIFFERENTIAL EQUATIONS 247

Grade: 12

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisite: AP Calculus BC (252) and instructor's permission.

This course is intended for students who have successfully completed AP Calculus BC before their senior year. After a comprehensive review of Calculus I and II, the calculus of vector-valued functions, surfaces, partial derivatives, and multiple integrals will be discussed as well as an overview of ordinary differential equations and their applications.

AP CALCULUS AB 250

Grade: 11, 12

Duration: 2 Semesters

Level: AP
Credit: One

Prerequisite: 90 or higher in Honors Pre-calculus (242)

The course will take an extensive look at both differential and integral calculus. Some of the topics that will be explored are limits, continuity, max-min problems, area under the curve and volumes of solids. Students will be prepared to sit for the AP Calculus AB exam in May. A graphing calculator is required.

AP CALCULUS BC 252

Grade: 11, 12

Duration: 2 Semesters

Level: AP
Credit: One

Prerequisite: Completion of AP Calculus AB (250)

Advanced Placement Calculus BC is for the superior math student. This course covers material from both Calculus AB and Calculus BC. In addition to the topics discussed in AP Calculus AB, topics include sequences and series, Taylor/Maclaurin series, and differentiation and integration of parametric, polar, and vector functions. Students will be prepared to sit for the AP Calculus BC exam in May. A graphing calculator is required.

AP STATISTICS 253

Grade: 11, 12

Duration: 2 Semesters

Level: AP
Credit: One

Prerequisite: 85 or higher in Honors Algebra II (232)

AP Statistics gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results from another poll or study, they will know whether the results are valid. The equivalent of an introductory college-level course, AP Statistics prepares students for the AP exam and for further study in science, sociology, medicine, engineering, political science, geography, and business.

INTRODUCTION TO RESEARCH IN APPLIED & COMPUTATIONAL MATHEMATICS 260

Grade: 11, 12

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisites: Completion of AP calculus AB (250) (may be taken concurrently with instructor permission)

This course begins with a summary of the three main areas of pure mathematics: Analysis, Topology, and Abstract Algebra. Students will select a research topic from an extensive online library and will produce a professional research paper by the end of the year on their chosen topic. This course is for students who have demonstrated the highest levels of mathematical achievement.

SCIENCE

6th GRADE EARTH SCIENCE 406

Grade: 6

Duration: 2 Semesters

No Credit

This course presents the core themes of Earth Science. Students will delve into topics such as plate tectonics, earthquakes, volcanoes, water resources, as well as weather and weather patterns. Students will also review and or gain an understanding of scientific measurements, data collection, graphs as well as the scientific method.

7th GRADE LIFE SCIENCE 407

Grade: 7

Duration: 2 Semesters

No Credit

This course presents the core themes of Human Biology. Students will delve into the systems of the body and discuss topics such as bones, muscles and skin, food and digestion, heart, blood and veins, lungs and respiration, excretion, and how the body fights diseases. The nervous, endocrine and reproductive systems are also covered. Students will also study the structure and function of cells, cell processes, and how cells use energy.

8th GRADE PHYSICAL SCIENCE 408

Grade: 8

Duration: 2 Semesters

No Credit

This course presents the core themes of Physics and Chemistry. During the first semester, students will explore the concepts of motion, forces, sound, light and electromagnetic waves. During the second semester, students will explore the concepts of matter, structure of the atom, chemical reactions and the periodic table.

BIOLOGY 411

Grade: 9

Duration: 2 Semesters

Level: Advanced
Credit: One

This course presents an overview of the following topics in biology: Cell structure and function, DNA and heredity, microbiology, ecology and evolution. Inquiry based lab activities will help students build upon the scientific process.

HONORS BIOLOGY 412

Grade: 9

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisite: Selection based on entrance exam score or 85+ in 8th Grade Physical Science. Students are currently taking or have taken Honors Algebra I (212).

This course presents an in depth analysis of core themes of biology: molecular structure, cells, DNA and heredity, evolution and organisms with a strong emphasis on biochemistry. Inquiry based lab activities will help students build upon the scientific process and a conceptual understanding of underlying themes.

CONCEPTUAL CHEMISTRY 420

Grade: 10

Duration: 2 Semesters

Level: Advanced
Credit: One

This course is an alternative for a traditional chemistry class. The Conceptual Chemistry course is a year-long class designed to introduce all the basic principles and concepts of chemistry, but without a major dependence on math or math skills. The Conceptual Chemistry student will have a basic understanding of the chemistry occurring in their home and in their world. The class is designed for future college students not majoring in science. Chemical vocabulary, ionic bonding, covalent bonding, Lewis Dot Structures, chemical reactions and balancing chemical reactions (stoichiometry) are all included in this class. Chemical topics that are currently in the news will likely show up as part of the curriculum and instruction.

CHEMISTRY 421

Grade: 10

Duration: 2 Semesters

Level: Advanced
Credit: One

Prerequisite: Students are currently taking or have taken Algebra I (210)

This course is designed to develop analytical and critical thinking. It covers such topics as atomic theory, the periodic table, chemical formulas, chemical equations, and stoichiometry. The gas laws may be investigated. This provides adequate preparation for further scientific study. It is class-oriented, with lectures and laboratory periods. Students are expected to be proficient in math.

HONORS CHEMISTRY 422

Grade: 10

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisite: 85 or above in Honors Biology (412), 90 or above in Biology (411).

Honors Chemistry is recommended for anyone interested in a science, engineering, or pre-med career. It is designed to develop analytical and critical thinking. The course covers such topics as atomic theory, stoichiometry, the periodic table, the gas laws, formulas and equations, and chemical reactions. This provides adequate preparation for further scientific study. Strong math skills are required.

SCIENCE ELECTIVES

ANATOMY AND PHYSIOLOGY 413

Grade: 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: One

Prerequisite: Biology (411) or Honors Biology (412) and Conceptual Chemistry (420) or Chemistry (421) or Honors Chemistry (422)

This course is a detailed study of the systems of the human body. Anatomical study and physiological processes of the skeletal, muscular, nervous, circulatory, lymphatic, respiratory, digestive, urinary, endocrine and reproductive systems will be examined. Lab work correlates with lectures. A fetal pig dissection will be performed.

HONORS ANATOMY AND PHYSIOLOGY 414

Grade: 11, 12

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisite: 90 average in Biology (411), 90 average in Chemistry (421) or 85 average in Honors Biology (412) or 85 Honors Chemistry (422)

This course is a detailed study of the systems of the human body. Anatomical study and physiological processes of the skeletal, muscular, nervous, circulatory, lymphatic, respiratory, digestive, urinary, endocrine and reproductive systems will be examined. Lab work correlates with lectures. A fetal pig dissection will be performed.

HONORS PHYSICS 432

Grade: 11, 12

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisite: Students must be currently taking or have taken Algebra II (231) with a grade of 90 or above or Honors Algebra II (232) with a grade of 85 or above.

This is a math-based physics course for the college-bound student who may be interested in pursuing a career in medicine, engineering, or the sciences. Students must have a thorough understanding of Algebra and Trigonometry. The course covers such topics as motion, force, energy, sound, light and electricity. The program involves class lectures, demonstrations, computer labs and many hands-on labs.

ENVIRONMENTAL SCIENCE 440

Grade: 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: 1

Prerequisite: Biology (411) or Honors Biology (412) and Conceptual Chemistry (420) or Chemistry (421) or Honors Chemistry (422)

This course is designed to provide students with an understanding of the principles of ecology and the impact of human actions on the environment. The course covers Earth's land and water, the biosphere, environmental interaction between organisms, ecosystems and their effects on ecological succession, soil and water analysis, human population growth and global climate change.

FORENSIC SCIENCE 441

Grade: 11, 12

Offered: 2nd Semester

Level: Advanced

Credits: .5

Prerequisite: Biology (411) or Honors Biology (412) and Conceptual Chemistry (420) or Chemistry (421) or Honors Chemistry (422)

This course is for students interested in forensic science, chemistry and criminal justice. This will involve collecting evidence and analysis of data using scientific methods learned in Biology and Chemistry classes. This course will be designed to develop the students' cognitive skills; working memory, visual processing and logic reasoning that will aid in contributing to academic and occupational success.

MARINE SCIENCE 442

Grade: 11, 12

Offered: 1st Semester

Level: Advanced

Credits: .5

Prerequisite: Biology (411) or Honors Biology (412) and Conceptual Chemistry (420) or Chemistry (421) or Honors Chemistry (422)

This course centers around the concepts of life in Marine Ecosystems. Specifically; the physical, chemical, and geological characteristics of marine systems, what life exists, and how that life came into existence in a marine environment that continues to thrive today.

AP BIOLOGY 451

Grade: 11, 12

Duration: 2 Semesters

Level: AP

Credit: One

Prerequisite: 85+ average in Honors Chemistry (422) & Honors Biology (412) or 90+ average in Chemistry (421) and Biology (411). Previous or current enrollment in Anatomy & Physiology (413/414) recommended.

This is a second year Biology course. The two main goals of AP Biology are to have students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. The primary emphasis of this course is to develop an understanding of concepts rather than memorizing terms and technical details. Essential to this conceptual understanding: an appreciation of science as a process rather than as an accumulation of facts; personal experience in scientific inquiry; recognition of unifying themes that integrate the major topics of biology; and application of biological knowledge and critical thinking to environmental and social concerns. Accordingly, goals are set for percentage coverage of three general areas: molecules and cells, 25%; heredity and evolution, 25%; and organisms and populations, 50%. Students will be prepared to sit for the AP Biology exam in May.

AP CHEMISTRY 452

Grade: 11, 12

Duration: 2 Semesters

Level: AP

Credit: One

Prerequisite: 85+ average in Honors Chemistry (422) and Honors Algebra II (232) or 90+ average in Chemistry (421) Algebra II (231)

This is a second year high school Chemistry course which is equal to a first year college chemistry course. Deeper study of inorganic chemistry laws will be examined. Special emphasis will be placed on the quantitative aspects of kinetic theory, gas laws, equilibrium, acid and base theory, thermodynamics/thermochemistry, and oxidation and reduction reactions. This course involves class lectures, demonstrations, and hands-on lab activities. According to AP guidelines, goals are set for coverage of: atomic structure and properties, molecular and ionic bonding, intermolecular forces, chemical reactions, kinetics, thermodynamics, equilibrium, acids and bases and application of thermodynamics. Laboratory work is required. Critical thinking is mandatory. Homework expectations are one hour every night. Students will be prepared to sit for the AP Chemistry exam in May.

AP PHYSICS 1: ALGEBRA BASED 453

Grade: 11, 12

Duration: 2 semesters

Level: AP

Credit: One

Prerequisites: Honors Physics (432) 85 or above. Students should have completed Geometry (220) and be concurrently taking Algebra II (231) or higher.

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound.

SOCIAL STUDIES

6th GRADE SOCIAL STUDIES 306

Grade: 6

Duration: 2 Semesters

No Credit

This introductory social studies course focuses on world history and geography. Topics include the prehistoric era; ancient Mesopotamia, Egypt, India, and China; and the classical periods of Greece and Rome. The course concludes with an examination of the trading kingdoms of Africa and pre-Columbian America. The course also considers major world religions and philosophies. Geographical skills are emphasized throughout the course.

7th GRADE SOCIAL STUDIES 307

Grade: 7

Duration: 2 Semesters

No Credit

This course considers American history from pre-Columbian America to Reconstruction. Topics include colonization, the Revolutionary War, and the presidencies of Washington, Jefferson, and Jackson. The course concludes with a study of the Civil War and Reconstruction. Students also consider the development of the American government, focusing on the United States Constitution. The course emphasizes the acquisition of historical skills, such as map-reading, chronological thinking, understanding competing narratives, and analysis of primary sources.

8th GRADE SOCIAL STUDIES 308

Grade: 8

Duration: 2 Semesters

No Credit

A continuation of the American history sequence, this course covers from 1877 to the modern era. Topics include the American West, Progressivism, Imperialism, World War I, the 1920s and the Great Depression, World War II, and the Cold War (including McCarthyism, the Korean War, and the Vietnam War). The course culminates with a study of the Civil Rights Movement. The course emphasizes the acquisition of historical skills, such as map-reading, chronological thinking, understanding competing narratives, and analysis of primary sources.

WORLD HISTORY I 310

Grade: 9

Duration: 2 Semesters

Level: Advanced
Credit: One

This course provides a broad overview of the development of human civilizations, with emphasis on the role of cultural, geographical, economic, political, and religious factors. Specific examples include Egypt, India, China, Greece, Rome, Byzantium, the Middle East, Medieval Europe, and pre-Columbian America.

HONORS WORLD HISTORY I 311

Grade: 9

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisite: Selection based on entrance exam score or 85+ grade in 8th grade Language Arts (108) and Social Studies (308).

This course provides an in-depth treatment of the development of human civilizations, with emphasis on the role of cultural, geographical, economic, political, and religious factors. Specific examples include the Ancient Near East, India, China, Greece, Rome, Byzantium, the Middle East, Sub-Saharan Africa, Medieval and Renaissance Europe, and pre-Columbian America. Coursework includes readings, homework, quizzes, tests, and semester examinations. Students will be introduced to primary source documents and will be required to analyze and interpret these materials in well-developed essays.

WORLD HISTORY II 320

Grade: 10

(Taken with 325: US Government & Civics)

Offered: 1st SemesterLevel: Advanced
Credits: .5

This course is a continuation of World History I. Topics include industrialization, imperialism, World War I, and World War II, as well as major events taking place in Africa, Asia, and Latin America during the 19th and early 20th centuries.

UNITED STATES GOVERNMENT AND CIVICS 325

Grade: 10
(Taken with 320: World History II)

Offered: 2nd Semester

Level: Advanced
Credits: .5

This course introduces students to the foundations of American democracy, the Constitution of the United States, principles of government, the relationship between different branches of government, political ideologies, and the role of the media in civil society. The course also considers the roles of political parties, campaigns and elections, and actions citizens can take to influence public policy decisions.

HONORS WORLD HISTORY II 321

Grade: 10
(Taken with 326: Honors US Government & Civics)

Offered: 1st Semester

Level: Honors
Credits: .5

Prerequisite: 90+ average in World History 1 (310) or 85+ average in Honors World History 1 (311)

This course is a continuation of Honors World History I. Topics include industrialization, imperialism, nationalism, World War I, the Russian Revolution, and World War II, as well as the geopolitical landscape of the 19th and early 20th centuries. Students will be introduced to primary source documents and will be required to analyze and interpret these materials in well-developed essays.

HONORS UNITED STATES GOVERNMENT AND CIVICS 326

Grade: 10
(Taken with 321: Honors World History II)

Offered: 2nd Semester

Level: Honors
Credits: .5

Prerequisite: 90+ average in World History 1 (310) or 85+ average in Honors World History 1 (311)

This course introduces students to the foundations of American democracy, the Constitution of the United States, principles of government, the relationship between different branches of government, political ideologies, and the role of the media in civil society. The course also considers the roles of political parties, campaigns and elections, and actions citizens can take to influence public policy decisions. Students will analyze primary source documents, including the foundational texts of the United States government, political speeches and commentary, and landmark Supreme Court decisions. Students will also engage in weekly discussions of current events.

UNITED STATES HISTORY 330

Grade: 11

Duration: 2 Semesters

Level: Advanced
Credits: One

United States History is a required course for all juniors. This course concentrates on the time period from the 1860 - Present. Topics covered include Civil War, Reconstruction, the Age of Industry, the Progressive Era, American Imperialism, World War I, the 1920s, the Great Depression and New Deal, World War II, Cold War, Vietnam War, Watergate and all major events leading up to the current presidency.

AP UNITED STATES HISTORY 350

Grade: 11

Duration: 2 Semesters

Level: AP
Credits: One

Prerequisite: 85+ average in Honors World History II (311) or 90+ average in World History II (310)

This course is an in-depth study of American history from Colonization to the end of the Cold War Era, along with modern day topics which are updated on a yearly basis. Topics covered include the Revolutionary War/Constitution, the Civil War, Reconstruction, the Age of Industry, Progressive Era, World War I, the Great Depression and the New Deal, World War II, and the Cold War. Students will be required to interpret and analyze primary source material. Students will be prepared to sit for the AP exam in May.

SOCIAL STUDIES ELECTIVES

AP UNITED STATES GOVERNMENT AND POLITICS 351

Grades: 11, 12

Duration: 2 Semesters

Level: AP
Credit: One

Prerequisite: Completion of US Gov/Civics (325) with grade of 90+ or above and/or Honors US Gov/Civics (326) with grade of 85 or above.

AP U.S. Government and Politics is a college-level introductory political science course focusing on the essential political concepts of American government. This non-partisan course will delve deeply into the political culture of the United States. The course will cover a variety of topics which include the U.S. Constitution, civil rights and liberties, federalism, separation of powers, civic responsibilities, and the role of the media. Students are expected to read and interpret primary texts, analyze data and concepts, make comparisons between Supreme Court cases, and write argumentative essays.

TOPICS IN 21st CENTURY AMERICA 371

Grades: 11, 12

NEW COURSEOffered: 1st SemesterLevel: Adv
Credit: .5

Students will study American culture from the beginning of the 21st century to today. This course examines the history of the United States since 2000. It will familiarize students with the global “war on terror,” widening income and wealth inequality, the explosion of the Internet and social media, intensifying battles over immigration and national and cultural identity, and beyond. This course will examine key people, places, and events that have shaped American history during the 21st century.

HUMAN GEOGRAPHY 372

Grades: 11, 12

NEW COURSEOffered: 2nd SemesterLevel: Adv
Credit: .5

This course is designed to develop greater understanding of the evolution of global processes and interactions among different societies. Students will analyze the nature of social, economic, political, environmental, and cultural elements within societies. Students will cultivate their understanding of human geography through data and geographic analyses.

PSYCHOLOGY 376

Grade: 11, 12

Offered: 1st SemesterLevel: Advanced
Credit: .5

This course is intended to be a general survey of contemporary psychology. The discipline will be approached from a holistic viewpoint using materials currently available in the field. Some topics to be examined are psychology as a science, theories of psychology, sensation, perception, cognition, memory, learning behaviors, and abnormal behavior and personality theories.

SOCIOLOGY 377

Grade: 11, 12

Offered: 2nd SemesterLevel: Advanced
Credit: .5

The course is designed to give the student an understanding of the patterns of recurring social behavior and social change. The student will learn to appreciate the roles played by age, race, and gender concerning globalization as well as the importance of culture and language in the process of human socialization.

WORLD LANGUAGES DEPARTMENT

WORLD CULTURES 506

Grade 6 & 7 for 2024/25 year

Beginning with the 2031 graduating class this will be their 6th grade World Language course

NEW COURSE

Duration: 2 semesters

No Credit

The World Cultures course will provide students with cross-cultural awareness and sensitivity. The course fosters a global perspective by exposing students to the sounds and structure of several world languages, the countries where they are spoken, and the people who speak them. In addition, it will heighten students' appreciation and respect for cultural diversity. We will focus on traditions and holidays in different countries, the spread of languages and cultures, foods and resources and their impact on culture, and the arts and architecture.

EXPLORATORY LANGUAGES 507

Grade: 7

Next offered 2025-26 School Year.

Duration: 2 Semesters

No Credit

The Exploring Language course gives sixth-grade students an opportunity to begin communicating in two different languages (French, Spanish) before choosing one language for further study the following year. The course also fosters a global perspective by exposing students to several world languages, the countries where they are spoken, and the people who speak them. In addition, it will heighten students' appreciation and respect for cultural diversity and sharpen their cross-cultural awareness and sensitivity. The course emphasizes the use of topical vocabulary in all three languages, such as cognates, numbers, days of the week, months of the year, the classroom, the body, animals and colors. Short dialogues allow the students to see the words studied in sentences and pronounce them accurately.

ENGLISH AS A SECOND LANGUAGE (ESL) 572

Grades: 6 – 12

Duration: 2 Semesters
International StudentsLevel: Advanced
Credit: One

This course is for non-native speakers and examines English around the world. The focus is on strengthening listening, reading, and speaking skills. Students will engage in class discussions including topics that examine culture and current events through a variety of media. There will be a strong emphasis on oral presentations.

FRENCH

FRENCH I 510

Grade: 8, 9, 10, 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: One

The goal of this course is to introduce the student to the four basic skills of listening, speaking, reading and writing. Particular stress will be placed on vocabulary acquisition, listening comprehension and speaking. In addition, students will learn grammatical structures necessary for communicating.

FRENCH II 520

Grade: 9, 10, 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: One

Prerequisite: Successful completion of French I (510)

French II has as its goal the expansion of the student's knowledge of the basic skills of listening, speaking, reading, and writing. More extensive vocabulary, new verb forms, and more in-depth grammatical structures are studied. Students will be expected to read longer passages in French.

HONORS FRENCH II 521

Grade: 9, 10, 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: One

Prerequisite: 85+ average in French I (510)

This accelerated course proves students with an opportunity to expand upon the basic skills of listening, speaking, reading, and writing. More extensive vocabulary, new verb forms, and more in-depth grammatical structures are studied. Students will be expected to speak more frequently, to write more thoroughly, and to read selections of greater length.

FRENCH III 530

Grade: 9, 10, 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: One

Prerequisite: Successful completion of French II (520) or Honors French II (521)

The goal of this course is to enable students to understand, speak, read, and write at a more advanced level. Students will study more in-depth grammatical concepts and more topical vocabulary. Opportunities will be provided to speak and to write more extensively. Students will sometimes watch French media or read short stories in French.

HONORS FRENCH III 531

Grade: 9, 10, 11, 12

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisite: 85+ average in Honors French II (521), or 90+ average in French II (520)

This accelerated course continues to focus on the skills of listening, speaking, reading and writing at a more advanced level and at a quicker pace. Students will be expected to write frequently and at length. Opportunities for more oral and aural activities are included. Students will sometimes watch French media or read short stories in French.

HONORS FRENCH IV 541

Grade: 10, 11, 12

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisite: 85+ average in Honors French III (531) or 90+ average in French III (530)

The goal of this course is to immerse the students in French rather than focus on particulars. Books, movies, comics, news articles, and other media are read / viewed and then discussed or written about in the target language, followed by corrections. Students are expected to build word rubrics and do some reading and watching independently, as well as occasionally choosing such works on their own.

AP FRENCH LANGUAGE AND CULTURE 952

Grade: 11, 12

Duration: 2 Semesters

Level: AP
Credit: One*This course is offered as a Virtual High School (VHS) Course at an extra cost.*

Prerequisite: 85+ average in Honors French IV (541).

This Advanced Placement French Language and Culture course follows criteria, designed by the College Board, to parallel third-year college-level courses in French Composition and Conversation. The rigor of this course is consistent with colleges and universities and will prepare students for the Advanced Placement exam in May. Upon successful completion of the exam, students may receive college credit and will be well-prepared for advanced French coursework.

Additional information can be found by visiting the VHS Course Catalog <https://tinyurl.com/AP-French>.

SPANISH

SPANISH I 512

Grade: 8, 9, 10, 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: One

In this initial course, the student will be introduced to the four basic language skills: listening, speaking, reading, and writing. Particular stress will be placed on vocabulary acquisition, listening comprehension, and speaking at the same time. An understanding and appreciation of other cultures, as well as necessary grammar structures, will be taught.

SPANISH II 522

Grade: 9, 10, 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: One

Prerequisite: Successful completion of Spanish I (512).

This course provides an opportunity to expand the student's knowledge of the basic skills of listening, speaking, reading, and writing acquired in Spanish I. Vocabulary, new verb forms, and more in-depth grammatical structures are studied within the course.

HONORS SPANISH II 523

Grade: 9, 10, 11, 12

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisite: 85+ average in Spanish I (512)

This course advances the student's knowledge of the basic skills of listening, speaking, reading, and writing acquired in Spanish I. Additional vocabulary, new verb forms, and more in-depth grammatical structures are studied within the course. Students will be expected to read more complex selections in the Spanish language. Writing skills will be improved with greater emphasis on grammar, speaking, and vocabulary.

SPANISH III 532

Grade: 10, 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: One

Prerequisite: Successful completion of Spanish II (522) or Honors Spanish II (523)

Spanish III provides an opportunity to keep building the students' language skills through the acquisition of more complex grammar structures and new vocabulary. Different sources are used to engage students with authentic cultural material. Vocabulary, grammar, reading, writing, listening and speaking skills are included. Students will be asked to give their own opinion about different topics which will give them the opportunity to practice and improve their skills.

HONORS SPANISH III 533

Grade: 10, 11, 12

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisite: 85+ average in Honors Spanish II (523), or 90+ average in Spanish II (522)

Honors Spanish III provides an intensive presentation, review, and practice of the important grammar topics necessary to build the students' language skills. The material covered provides an excellent method of practice to familiarize students with different sources of authentic cultural material

A variety of vocabulary, grammar, reading, writing, listening, and speaking skills are included. Topics, such as sports, art, music, literature, politics, economy, environment, industry, social issues, and more will be presented. Students will expand their ability to identify, comprehend, summarize, and support reading or listening material from authentic sources. Students will be asked to give their own opinion about different topics which will give them the opportunity to practice and improve their skills. They are encouraged to read newspapers and magazines, and to listen to radio programs from different Spanish-speaking countries and regions.

SPANISH IV 542

Grade: 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: One

Prerequisite: Successful completion of Spanish III (532) or Honors Spanish III (533)

Spanish IV provides the opportunity to review and learn the most complex Spanish language structures to develop language proficiency. Emphasis will be placed on the use of the language skills (listening, speaking, reading, and writing) within the three modes of communication.

HONORS SPANISH IV 543

Grade: 11, 12

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisite: 85+ average in Honors Spanish III (533) or 90+ average in Spanish III (532)

Honors Spanish IV provides the opportunity to review and learn the most complex Spanish language structures to develop language proficiency. Emphasis will be placed on the use of the language skills (listening, speaking, reading, and writing) within the three modes of communication. As this is a Pre-AP class, the students will familiarize themselves with authentic cultural material. They will expand their ability to identify, comprehend, summarize, and support reading or listening material as well as improve the use of the language that is semantically accurate according to a given context. They will present information or persuasive arguments on general topics with grammatical control and good pronunciation.

AP SPANISH LANGUAGE & CULTURE 951

Grade: 11, 12

Duration: 2 semesters

Level: AP
Credit: One*This course is offered as a Virtual High School (VHS) Course at an extra cost.*

Prerequisite: 85+ average in Honors Spanish IV (543), or 90+ average in Spanish IV (542)..

This Advanced Placement Spanish Language and Culture course follows criteria, designed by the College Board, to parallel third-year college-level courses in Spanish Composition and Conversation. The rigor of this course is consistent with colleges and universities and will prepare students for the Advanced Placement exam in May. Upon successful completion of the exam, students may receive college credit and will be well-prepared for advanced Spanish coursework.

Additional information can be found by visiting the VHS Course Catalog <https://tinyurl.com/VHS-AP-Spanish>

LATIN

LATIN I 514

Grade: 8, 9, 10, 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: One

The goal of Latin I is to introduce students to the fundamentals of Latin vocabulary and grammar and to foster an understanding and curiosity regarding ancient Roman history, culture, and mythology. New material is introduced in the context of readings from the textbook *Ecce Romani I*. Daily lessons on grammar and vocabulary will be supplemented with discussions and projects related to an array of topics from Classical antiquity, and a special emphasis is placed on making etymological connections between Latin vocabulary and our own.

LATIN II 524

Grade: 9, 10, 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: One

Prerequisite: Successful completion of Latin I (514)

The goal of Latin II is to introduce students to the most common vocabulary and grammatical paradigms that they will encounter in unabridged ancient texts. After a review of the grammar and vocabulary introduced in Latin I, we will begin a study of more advanced concepts and structures, such as the passive voice, the subjunctive mood and related constructions, relative clauses, comparative and superlative adjectives and adverbs, conditional statements, and ablatives absolute. New grammar and vocabulary are introduced in the context of readings from the textbook *Ecce Romani II*. If time permits, students will begin to read genuine texts written by ancient authors. Our study of the mechanics of the Latin language will be supplemented with discussions and projects related to ancient history, culture, and mythology.

LATIN III 534

Grade 10, 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: One

Prerequisite: Successful completion of Latin II (524)

Students will build upon their Latin 1 and 2 foundations of grammar and vocabulary skills to help increase fluency and language proficiency. Students will explore the history, culture and myth of ancient Rome through its rich literary tradition. Students will apply what they have learned to translating original texts bringing to life Roman poetry and prose written thousands of years ago. Students will apply their understanding of subordinate sentence structures, the architecture of a complex Latin sentence, and skills for dealing with variable Latin word order. Texts students will be reading (in Latin) might include *The Aeneid* and other works by Virgil, works by Horace, and works by Ovid.

BUSINESS

BUSINESS ELECTIVE

FINANCIAL LITERACY 271

Grade: 11, 12

Offered: 1st Semester

Level: Advanced

Credit: .5

Elective for the classes of 2025 and 2026. Required for graduation beginning with the Class of 2027.

This course is designed to introduce students to the fundamentals of personal finance. The course covers career planning, budgeting and cash-flow management, credit use, planned borrowing, taxes, and managing expenditures and housing.

ACCOUNTING 270

Grade: 11, 12

Duration: 2 semesters

Level: Advanced

Credit: One

DOES NOT satisfy the Mathematics requirement for graduation.

This is an introduction to fundamental accounting concepts and generally accepted accounting principles (G.A.A.P.). Emphasis will be placed on the basic accounting structure, the preparation and interpretation of financial statements, financial accounting and reporting for partnerships and corporations.

COMPUTER SCIENCE

6th GRADE SEMINAR 706

Grade: 6

Offered: 1st & 2nd Semester

No Credit

This unique course has been designed as a skills building course. Essential skills for success in high school and beyond will be the focus. Students will cover topics such as effective study skills, digital citizenship, digital literacy, computer science and how to handle anxiety and stress to name just a few. Quarterly assessment will be pass/fail.

7th GRADE SEMINAR 707

Grade: 7

Offered: 1st & 2nd Semester

No Credit

This unique course has been designed as a skills building course. Essential skills for success in high school and beyond will be the focus. Students will cover topics such as effective study skills, digital citizenship, digital literacy, computer science and how to handle anxiety and stress to name just a few. Quarterly assessment will be pass/fail.

EXPLORING COMPUTER SCIENCE I 710

Grade: 8, 9, 10, 11, 12

Offered: 1st Semester

Level: Advanced

Credit: .5

Prerequisite: Have taken or currently taking Algebra I (210, 211)

This course is a prerequisite for all other Saint Bernard School computer science courses.

Exploring Computer Science I (ECSI) is a semester-long, introductory high school course designed to engage students in computational thinking and practice. ECSI is a great course for students to experience computer science and it builds a base for all the other computer science courses currently offered at Saint Bernard. Topics include human computer interaction, problem solving, critical thinking, and web design.

EXPLORING COMPUTER SCIENCE II 711

Grade: 8, 9, 10, 11, 12

Offered: 2nd Semester

Level: Advanced

Credit: .5

Prerequisite: Have taken or currently taking Algebra I (210, 211) and Exploring Computer Science I (710)

Exploring Computer Science II builds upon the lesson learned in Exploring Computer Science I. Students will have the opportunity to apply their problem solving skills in a variety of ways. Topics covered include introduction to Cybersecurity, Artificial Intelligence, and Robotics.

COMPUTER PROJECTS WITH PYTHON 720

Grade: 9, 10, 11, 12

Offered: 1st Semester

Level: Advanced

(Offered alternate years. Next offered 2025/26)

Credit: .5

Prerequisite: Algebra 1 (210, 211) and Exploring Computer Science I (710)

This project based course is a great starter course for students interested in learning a programming language but have no/little background in programming. Students will learn the basics of computer programming as they use the python language to code simple computer programs and games. Students taking this course will have a solid foundation to take AP Computer Science Principles in the future.

INTRODUCTION TO PROGRAMMING WITH JAVA 721

Grade: 9, 10, 11, 12

Offered: 1st Semester

Level: Advanced

(Offered alternate years. Offered 2024/25)

Credit: .5

Prerequisite: Algebra 1 (210, 211) and Exploring Computer Science I (710)

This course introduces computer programming using the Java programming language with object-oriented programming principles. It is a great introduction course for those interested in taking AP Computer Science A in the future. The course will focus on programming of graphics and games through Greenfoot. Greenfoot is visual and interactive. The actors are programmed in standard textual Java code, providing a combination of programming experience in a traditional text-based language with visual execution.

FUNDAMENTALS OF VIDEO GAME DESIGN 730

Grade: 9, 10, 11, 12

Offered: 2nd Semester

Level: Advanced

(Offered alternate years. Offered 2024/25)

Credit: .5

Prerequisite: Algebra 1(218) and Exploring Computer Science I (708) or Approval of Instructor.

This course will utilize the video game development platform Unity and C#, which will enforce the skills of critical thinking, problem solving and collaboration. Students will learn basic elements of designing games by producing several prototype games that introduce elements of video games. Students will apply these elements in the creation of a semester-long personal video game project.

ROBOTICS 731

Grade: 9, 10, 11, 12

Offered: 2nd Semester

Level: Advanced

(Offered alternate years. Next offered 2025/26)

Credits: .5

Prerequisite: Have taken Exploring Computer Science I (710)

In this hands-on course, students will be introduced to the basics of robotics. They will explore what qualifies as a robot through readings, research, and discussion. Students will spend the majority of time designing and programming their robot to complete a series of challenges that will increase in difficulty. The course final exam will be a challenge that the students will be asked to apply the skills they have learned throughout the semester.

ADVANCED ROBOTICS 732

Grade: 10, 11, 12

Duration: 2 Semesters

Level: Advance

Credits: 1

Prerequisite: Have taken Robotics (731) or approval of instructor

In this hands-on course, students will be introduced to the basics of robotics. They will explore what qualifies as a robot through readings, research, and discussion. Students will spend the majority of time designing and programming their robot to complete a series of challenges that will increase in difficulty. The course final exam will be a challenge that the students will be asked to apply the skills they have learned throughout the semester.

HONORS ADVANCED ROBOTICS 733

Grade: 10, 11, 12

Duration: 2 Semesters

Level: Honors

Credits: 1

Prerequisite: Have taken Robotics (731) or approval of instructor

To be considered for Honors Advanced Robotics -- Students must compete at no less than 3 Robotics Competitions over the course of the year.

In this hands-on course, students will be introduced to the basics of robotics. They will explore what qualifies as a robot through readings, research, and discussion. Students will spend the majority of time designing and programming their robot to complete a series of challenges that will increase in difficulty. The course final exam will be a challenge that the students will be asked to apply the skills they have learned throughout the semester.

AP COMPUTER SCIENCE PRINCIPLES (APCSP) 750

Grade: 10, 11, 12

Duration: 2 Semesters

Level: AP

(Offered alternate years. Offered 2024/25)

Credit: One

Prerequisite: Algebra 1(218) and Exploring Computer Science I (708) or Approval of Instructor.

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. The curriculum for this course is approved by the College Board. Students will be required to complete 1 performance task by the end of April and will be prepared to sit for the exam in May. Students choosing not to take the exam will still be required to complete the performance task.

AP COMPUTER SCIENCE A 751

Grade: 11, 12

Duration: 2 Semesters

Level: AP

(Offered alternate years. Next offered 2025/26)

Credit: One

Prerequisite: 85 or above in Honors Algebra I (212) or 90 or above in Algebra I (210) and completion of Exploring Computer Science I (710) or Instructor Approval

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

TECHNOLOGY INTEGRATION & INNOVATION 760

Grade: 12

Offered: 1st & 2nd Semester

Level: Honors

(Offered as needed.)

Credit: .5

Prerequisite: AP Computer Science Principles (750) and/or AP Computer Science A (751)

Technology Integration and Innovation is a computer science course for the student that has taken one or both: AP CSA and/or APCSP. The course will comprise of 3 parts: advanced learning of computer systems and hardware, research and support of technology applications, and an individual learning project (based on Google's 20% time). Over the course of the semester (or year) students will develop an e-portfolio. The class will allow students to perfect their oral, written and interpersonal communication skills while expanding their knowledge of computer science.

PHYSICAL EDUCATION AND HEALTH

6th GRADE PHYSICAL EDUCATION AND HEALTH 806

Grade: 6 Duration: 2 Semesters No Credit

Students will receive grade-appropriate instruction and reinforcement in Technology, Physical Education, and state-mandated Health. Along with grade appropriate PE instruction, students will cover topics in health such as: Health vs. Wellness, Decision Making, Self Esteem, Positive Nutrition, Active Listening, Self Control and Regulation, Empathy, and Sleep.

7th GRADE PHYSICAL EDUCATION AND HEALTH 807

Grade: 7 Duration: 2 Semesters No Credit

Students will receive grade-appropriate instruction and reinforcement in Technology, Physical Education, and state-mandated Health. Along with grade appropriate PE instruction, students will cover topics in health such as: Health and wellness, Decision making, Stress management, Mental and emotional health, tobacco, and stress management

8th GRADE PHYSICAL EDUCATION AND HEALTH 808

Grade: 8 Duration: 2 Semesters No Credit

Students will receive grade-appropriate instruction and reinforcement in Physical Education, and state-mandated Health. Along with grade appropriate PE instruction, students will cover topics in health such as: Health and wellness, the dimensions of wellness, stress management, tobacco, nutrition, infectious diseases and drugs/alcohol.

PHYSICAL EDUCATION 810

Grade: 9, 10, 11, 12 Duration: 2 Semester Level: Advanced
Credit: One

Physical Education offers an opportunity to improve total personal fitness. It is concerned with developing the student's total physical and mental well-being allowing participation to the fullest capacity in the work and play of high school life and in the years which lie beyond. The student will be introduced to many activities and sports. Students will be given an opportunity to discover lifelong interests in physical activities and games. The course will facilitate participation in play sports and physical activity, resulting in improved physical fitness and exposure to lifelong healthy activities.

HEALTH 820

Grade: 9, 10, 11, 12 Offered: 1st & 2nd Semester Level: Advanced
Credit: .5

It is recommended that students take this course before the completion of their junior year. This course is also offered during the summer.

This course is designed to provide accurate health information and develop related skills to make positive health choices. Topics include mental health, family/peer relations, nutrition, sport science, drug abuse, abstinence, STIs, as well as other current health related issues and practices.

STRENGTH AND CONDITIONING 870

Grade: 11, 12 Offered: 2nd Semester Level: Advanced
Credits: .5

Prerequisite: Up-to-date Physical on file, Nutrition and Exercise (871) Recommended

This course is designed to familiarize the student to an approach at athletic conditioning and strength training. This class will provide students knowledge in developing, tracking and learning about training as it relates to athletics. Students will develop a weight-training program based on a personal fitness goal. Students will be instructed in basic principles of strength training and conditioning for personal fitness and development.

NUTRITION AND EXERCISE 871

Grade: 11, 12 Offered: 1st Semester Level: Advanced
Credit: .5

Prerequisite: Up-to-date physical on file.

This course will provide the student with basic nutritional information as it pertains to athletic/exercise performance. Topics of discussion include an introduction to basic nutrition concepts, introduction to the weight room, nutritional requirements for athletic performance and maintenance of healthy lifestyle, cardiorespiratory endurance, diets, nutrition advertisement, creating fitness programs, and controversial topics such as supplementation and diet fads.

VISUAL AND PERFORMING ARTS

Students may elect up to a four-year sequence in the Visual Arts or Performing Arts in preparation for possible continued study at the college level. It is strongly recommended that Fine Arts courses be taken sequentially (without skipping a year within the sequence) in order to maintain proficiency and meet portfolio requirements.

VISUAL ARTS

Department Requirements

All students in the Visual Arts Department will be graded for their attendance at the Annual Art Exhibit (last Sunday in April), and activities announced in advance. Students must come to class with their textbooks, sketchbook, notebook folder, No. 2 pencil, and eraser.

6th GRADE ART 606

Grade: 6

Duration: 1 Semester

No Credit

An introductory course in Drawing, Painting, Sculpture and Design. Students will be introduced to the importance of learning a visual language consisting of the elements of art and principles of design, we will be focusing on the elements of art in this class. Students will begin to see how this language affects the individuals' artwork as well as the artwork of others. This course will also help develop their awareness of the influence of the art of the past and its relationship to today's art. Students will be introduced to new concepts and a variety of art tools and art materials (media), offered with fun open-ended projects that will allow each of your own personal interpretations to be expressed.

7th GRADE ART 607

Grade: 7

Duration: 1 Semester

No Credit

This course is designed as a foundation course with entry level art projects which may serve for sequential programs for arts education. Areas of importance are a good knowledge of the principles and elements of design and the building of a foundation for the appreciation and awareness of the art of the past and its relationship to today. The prime area of importance is to develop skill, self-discipline and self-expression through an emphasis on drawing. Students may also be introduced to the process of print-making and sculpture, and will be required to assist in all aspects of the Visual Arts Department. Students do not have to think that they have to be good and accomplished to do well in this course. Come with an open mind, attitude and willingness to try their best and they will be surprised at how successful they can be.

8th GRADE ART 608

Grade: 8

Duration: 2 Semester

No Credit

This course is designed for students interested in further exploring the basic principles and elements in art. Students will develop their talents through a wide range of media including but not limited to pencil, pastel, scratchboard, printmaking, watercolor, and acrylic. Students will gain confidence using these mediums and develop their skills, self-discipline and self-expression. In the art program, students will also learn art history, aesthetics, art criticism, and vocabulary. Additionally, critical thinking skills, decision making, and problem solving are implemented throughout the 8th Grade art course.

Supplies: Sketchbook, pencils & erasers.

FINE ARTS I 610

Grade: 9, 10, 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: One

This course is for all students who wish to pursue their art in an entry-level art course for beginners on the high school level. *This course is a prerequisite for all other Art courses.* The course is designed as an underclassmen foundation course with entry-level art projects, and serves as part of the sequential arts program for Visual Arts Majors. Areas of importance are the development of knowledge of the principles and elements of design and the building of a foundation for the appreciation of the art of the past and its relationship to today. The prime area of importance is to develop skill, self-discipline, and self-expression through an emphasis on drawing. Students may also be introduced to the process of printmaking and sculpture, and will be required to actively assist in all aspects of the Visual Arts department. Class participation and classroom critiques are essential.

Students are required to compile and develop a portfolio of their own artwork, to actively participate with the mounting of work, to set up exhibits and presentations in the school and community, and will be graded accordingly.

Supplies: Set of drawing pencils, ebony design pencil, #2 lead pencils, Visual journal (8 ½ x 11" sketch pad), Pink Pearl erasers, fine point felt tip pen, notebook and folder for all handouts.

POTTERY 615

Grade: 9, 10, 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: One

Prerequisite: Completion of Fine Arts I (610)

This course is for the craft-oriented student and will introduce them to basic hand-building techniques of pinch, coil, and slab. Students are taught to throw cylindrical forms on the potter's wheel and to combine techniques to produce functional and sculptural clay pieces. Exposure to a variety of ceramic art, both historical and contemporary, is emphasized. The components of art education (production, criticism, history, and aesthetics) will be the areas of importance in this course.

POTTERY 616 (half year)

Grades: 9, 10, 11, 12

Duration: 1 Semester

Level: Advanced
Credit: .5

Prerequisite: Completion of Fine Arts I (610)

This course is for the craft-oriented student and will introduce them to basic hand-building techniques of pinch, coil, and slab. Students are taught to throw cylindrical forms on the potter's wheel and to combine techniques to produce functional and sculptural clay pieces. Exposure to a variety of ceramic art, both historical and contemporary, is emphasized. The components of art education (production, criticism, history, and aesthetics) will be the areas of importance in this course.

DIGITAL PHOTOGRAPHY 617

Grades: 10, 11, 12

Duration 2nd semester

Level: Advanced
Credit: .5

Prerequisite: Completion of Fine Arts I (610)

This course will cover the history of photography including camera obscura to phone, darkroom to computer, chemical to pixel. Students will learn about ethical capturing and sharing of photos/videos including copyright, permissions and photojournalism vs. gossip. Exposure to framing and composition: orientation, zoom, angles, rule of thirds, point of view will be investigated. The importance of light: indoor/outdoor, soft/hard, natural light, shadows and flashlight will be covered. The elements of art and principles of design including depth, dimension, perspective, shape, form, texture will be captured through portrait, landscape, events and animal photography.

ADVANCED ART 620

Grade: 9, 10, 11, 12

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisite: Fine Arts I (610)

The goal of this course is to further develop advanced drawing and design skills and to help each student develop self-motivation work as a means of original personal expression. The course will also include some creative problem solving through the exploration and use of advanced techniques in observational drawing, painting, sculpture, and printmaking. Commercial art and graphic design will be introduced. Portfolio preparation and review is a major requirement of this course. The course will provide each student with the opportunity to explore the history of art from the Renaissance to Impressionism. Local museum and exhibit visitation is required.

Supplies: Set of drawing pencils, ebony design pencil, #2 lead pencils, Visual journal (8 ½ x 11” sketch pad), Pink Pearl erasers, fine point felt tip pen, notebook and folder for all handouts.

HONORS ADVANCED ART 621

Grade: 11, 12

Duration: 2 Semesters

Level: Honors
Credit: One

Prerequisite: 85+ average in Fine Arts 1 (610) & Portfolio review with Art Department

To be considered for Honors Advanced Art -- Students must complete a life drawing class over the summer at Mystic Museum of Art or Lyme Academy.

The goal of this course is to further develop advanced drawing and design skills and to help each student develop self-motivation work as a means of original personal expression. The course will also include some creative problem solving through the exploration and use of advanced techniques in observational drawing, painting, sculpture, and printmaking. Commercial art and graphic design will be introduced. Portfolio preparation and review is a major requirement of this course. The course will provide each student with the opportunity to explore the history of art from the Renaissance to Impressionism. Local museum and exhibit visitation is required.

Supplies: Set of drawing pencils, ebony design pencil, #2 lead pencils, Visual journal (8 ½ x 11” sketch pad), Pink Pearl erasers, fine point felt tip pen, notebook and folder for all handouts..

AP ART HISTORY 649

Grade: 11, 12

Duration: 2 Semesters

Level: AP
Credit: One*(Offered alternate years. Offered 2025/26)*

Prerequisite: 80 or above in both History & English or instructor approval.

This course is designed to provide motivated students with an understanding and enjoyment of architecture, sculpture, painting, and other art forms within historical and cultural contexts. This course will begin with an introduction to the world and work of the artist and then touch upon a rich introduction to non-Western Art and its cultural influences and, finally, trace the major developments in Western Art from the prehistoric through the modern era. Several of the great non-Western cultures (India, China, Japan, Southeast Asia, Oceania and Highland Asia, the world of Islam, Sub-Saharan Africa, Pre-Columbian, and Native American) will be studied. Western cultures to be investigated are the Prehistoric, Ancient Egyptian, Greek and Roman, and Byzantine through the modern era; giving attention to specific eras such as Gothic, Renaissance, Baroque, and the modern era of the “isms.” Styles in architecture, sculpture, painting, and other art forms will be examined in relation to historical and cultural influences.

AP STUDIO ART PORTFOLIO 650

Grade: 11, 12

Duration: 2 semesters

Level: AP

(Offered alternate years .Offered 2024/25)

Credit: One

Prerequisite: 85+ average in Advanced Art (620), Portfolio review of works from previous Fine Art courses with Instructor, Instructor recommendation.

Mandatory Summer Work: Must complete 3 works of art over the summer. These works must be discussed with and approved by the instructor before summer break. Sketchbook requirements will also be discussed with the student before the summer break.

The AP Studio Art Portfolio course is designed for students who are seriously interested in the practical experience of art, who wish to develop mastery in the concept, composition, and execution of their ideas. AP Studio Art Portfolio is not based on a written exam; instead students submit portfolios for final evaluations at the end of each marking period. In building the portfolio, students' abilities, as well as their versatility with techniques, problem solving, and ideation, are covered in their development of the Breadth section. Students also develop a body of work for the Concentration section of the portfolio that investigates an idea of personal interest to them.

It is strongly recommended that all AP Studio Art Portfolio students submit an AP Studio Art portfolio in either 2-D Design Portfolio or Drawing Portfolio in early May for possible college credit.

PERFORMING ARTS

CHORUS

MIDDLE SCHOOL MUSIC

Grades: 6, 7

6th Grade: 602 / 7th Grade: 603

Duration: 2 Semesters

No Credit

Middle School Chorus is a non-audition based singing group focusing upon developing participating students' musicianship through the study and performance of choral music. Students will be introduced to a variety of music literature, basic music theory, proper vocal technique, and performance opportunities while preparing and performing grade-appropriate music literature. The curriculum for Middle School Chorus is framed by the four anchors of the National Standards for Music Education: Create, Perform, Respond, and Connect.

CONCERT CHOIR 611

Grades: 8, 9, 10, 11, 12

Duration: 2 Semesters

Level: Advanced

Grade 8: No Credit

Credit: One

Students enrolled in Concert Choir will continue to develop individual and ensemble performance skills through the study of grade-appropriate music literature. These selections will represent the Baroque through contemporary periods including a variety of styles as well as original works. Instruction includes continued development of age-appropriate vocal technique, music literacy, music history, and music theory. The goals met by Concert Choir include the development of critical thinking skills through the analysis of musical elements including text. The curriculum for Concert Choir is framed by the four anchors of the National Standards for Music Education: Create, Perform, Respond, and Connect.

HONORS CONCERT CHOIR 622

Grades: 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: One

Prerequisite: A minimum of two years of ensemble experience, a grade of 90 or above in Concert Choir (610), and a successful hearing performed for the Director of Music (scored by rubric).

Honors Concert Choir includes all of the objectives stated for Concert Choir in addition to enrichment assignments relevant to the repertoire being studied during the academic year. The curriculum for Honors Concert Choir is framed by the four anchors of the National Standards for Music Education: Create, Perform, Respond, and Connect.

Students enrolled in Honors Concert Choir will participate in one or more adjudication festivals including those sponsored by the Connecticut Music Educators Association, the New England Music Festival Association, other NAFME-sponsored events, or other, school-sanctioned opportunities pertaining to their vocal part.

AP MUSIC THEORY 953

Grades: 11, 12

Duration: 2 Semesters

Level: AP
Credit: One

This course is offered as a Virtual High School (VHS) Course at an extra cost.

Prerequisite: Grade of 90+ in previous year's ensemble classes & Score of 80+ on placement exam

This Advanced Placement Music Theory course is equivalent to a first semester introductory music theory college-level course. The rigor of this course is consistent with colleges and universities and will prepare students for the Advanced Placement exam in May. Upon successful completion of the exam, students may receive college credit and will be well-prepared for advanced music theory coursework. Additional information can be found by visiting the VHS Course Catalog <https://tinyurl.com/AP-Music>

BAND

SYMPHONIC BAND 613

Grades: 8, 9,10,11,12

Duration: 2 Semesters

Level: Advanced
Credit: One

Students enrolled in Symphonic Band will continue to develop individual and ensemble performance skills through the study of grade-appropriate music literature. These selections will represent the Baroque through contemporary periods including a variety of styles and original works. Instruction includes continued development of instrumental technique, and music theory. The curriculum for Symphonic Band is framed by the four anchors of the National Standards for Music Education: Create, Perform, Respond, and Connect.

STRING ENSEMBLE 618

Grades: 9, 10, 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: 1

This course is a year-long class. This class will have high standards for performance and include fundamentals and enhancement of string orchestra playing, including violin, viola, cello and bass and piano. Students will learn to develop an appreciation of music, build skills for efficient practicing, follow a conductor, and increase music literacy - including music reading, recognizing articulations and musical styles, and understanding musical terms. Students will receive exposure to music's relation to history and art. Emphasis will also be placed on exposing each student to a variety of performing experiences and music in which to apply these skills. Participation is required for concerts and possible morning and evening rehearsals relating to competition.

HONORS SYMPHONIC BAND 623

Grades 11, 12

Duration: 2 Semesters

Level: Advanced
Credit: One

Prerequisite: A minimum of two years of ensemble experience on a wind or percussion instrument, a grade of 90 or above in Symphonic Band (612), and a successful hearing performed for the Director of Music (scored by rubric).

Honors Symphonic Band includes all of the objectives stated for Symphonic Band in addition to enrichment assignments relevant to the repertoire being studied during the academic year. The curriculum for Honors Symphonic Band is framed by the four anchors of the National Standards for Music Education: Create, Perform, Respond, and Connect.

Students enrolled in Honors Symphonic Band will participate in one or more adjudication festivals including those sponsored by the Connecticut Music Educators Association, the New England Music Festival Association, other NAfME-sponsored events, or other, school-sanctioned opportunities pertaining to their instrument.

COURSES OFFERED AT-A-GLANCE BY DEPARTMENT

THEOLOGY

#	Title	Prerequisite	Level	Lgth	Sem	Cr.	Grade level(s)
006	6 th Grade Religion			2			6
007	7 th Grade Religion			2			7
008	8 th Grade Religion			2			8
010	Theology 1		Adv	2		1	9
020	Theology 2		Adv	2		1	10
030	Theology 3		Adv	2		1	11
040	Theology 4		Adv	2		1	12

ENGLISH

#	Title	Prerequisite	Level	Lgth	Sem	Cr.	Grade level(s)
106	6 th Grade Language Arts			2			6
107	7 th Grade Language Arts			2			7
108	8 th Grade Language Arts			2			8
110	World Literature		Adv	2		1	9
112	Honors World Literature	108	Hon	2		1	9
120	British Literature		Adv	2		1	10
122	Honors British Literature	110/112	Hon	2		1	10
130	American Literature		Adv	2		1	11
150	AP English Language & Composition	120/122	AP	2		1	11
140	Senior Literature		Adv	2		1	12
151	AP English Literature & Composition	130/150	AP	2		1	12
572	English as a Second Language (ESL)*	<i>*International Students</i>	Adv	2		1	6, 7, 8, 9, 10, 11, 12

ENGLISH ELECTIVES

NOTE: Elective courses DO NOT satisfy the English requirement for graduation.

170	Creative Writing		Adv	1	2 nd	0.5	11, 12
171	Public Speaking		Adv	1	1 st	0.5	11, 12

MATHEMATICS

#	Title	Prerequisite	Level	Lgth	Sem	Cr.	Grade level(s)
206	6 th Grade Mathematics			2			6
207	7 th Grade Mathematics			2			7
208	Pre-Algebra			2			7,8
210	Algebra I	207	Adv	2		1	8, 9, 10
211	Fundamentals of Algebra I	See Course	Adv	2		1	8, 9
212	Honors Algebra I	207	Hon	2		1	8, 9
220	Geometry	210/212	Adv	2		1	9, 10, 11
222	Honors Geometry	212	Hon	2		1	9, 10
231	Algebra II	220/222	Adv	2		1	10, 11, 12
232	Honors Algebra II	222	Hon	2		1	10, 11
234	Foundations of Advanced Mathematics (FOAM)	231	Adv	2		1	12
236	Introduction to Trigonometry	231	Adv	2		1	11
240	Pre-Calculus	231/232	Adv	2		1	11, 12
242	Honors Pre-Calculus	232	Hon	2		1	11, 12
244	Calculus	240/242	Adv	2		1	11, 12
246	Honors Calculus	240/242	Hon	2		1	11, 12
247	Intro to Multivariable Calculus & Differential Equations	252 & Instructor's Permission	Hon	2		1	12
250	AP Calculus AB	242	AP	2		1	11, 12
252	AP Calculus BC	250	AP	2		1	11, 12
253	AP Statistics	232	AP	2		1	11, 12
260	Intro to Research in Applied & Computational Mathematics	250 & Instructor's Permission	Hon	2		1	11, 12

SCIENCE

All high school students attending Saint Bernard School are required to complete three (3) years of Science: 1 year of Biology, 1 year of Chemistry, and 1 year of a science elective.

#	Title	Prerequisite	Level	Lgth	Sem	Cr.	Grade level(s)
406	6 th Grade Earth Science			2			6
407	7 th Grade Life Science			2			7
408	8 th Grade Physical Science			2			8
411	Biology		Adv	2		1	9
412	Honors Biology	212	Hon	2		1	9
420	Conceptual Chemistry		Adv	2		1	10
421	Chemistry	210	Adv	2		1	10
422	Honors Chemistry	411/412	Hon	2		1	10

SCIENCE ELECTIVES

413	Anatomy & Physiology	411/412/420/421/422	Adv	2		1	11, 12
414	Honors Anatomy & Physiology	411/421, 412/422	Hon	2		1	11, 12
432	Honors Physics	220/222	Hon	2		1	11, 12
440	Environmental Science	411/412/420/421/422	Adv	2		1	11, 12
441	Forensic Science	411/412/420/421/422	Adv	1	2 nd	0.5	11, 12
442	Marine Science	411/412/420/421/422	Adv	1	1 st	0.5	11, 12
451	AP Biology <i>(Offered alternative years. Next offered 2025-26)</i>	442/412/411/412/414	AP	2		1	11, 12
452	AP Chemistry <i>(Offered alternative years. Offered 2024-25)</i>	421/422/232/231	AP	2		1	11, 12
453	AP Physics 1: Algebra Based <i>(Offered alternative years. Next offered 2025-26)</i>	432/222/233	AP	2		1	11, 12

SOCIAL STUDIES

Three (3) years of high school, Social Studies are required for Graduation.

#	Title	Prerequisite	Level	Lgth	Sem	Cr.	Grade level(s)
306	6 th Grade Social Studies			2			6
307	7 th Grade Social Studies			2			7
308	8 th Grade Social Studies			2			8
310	World History I		Adv	2		1	9
311	Honors World History I	108/308	Hon	2		1	9
320	World History II		Adv	1	1 st	0.5	10
325	U.S. Government & Civics		Adv	1	2 nd	0.5	10
321	Honors World History II	310/311	Hon	1	1 st	0.5	10
326	Honors U.S. Government & Civics	310/311	Hon	1	2 nd	0.5	10
330	U.S. History		Adv	2		1	11
350	AP U.S. History	310/311	AP	2		1	11

SOCIAL STUDIES ELECTIVES

351	AP U.S. Govt & Politics	325/326	AP	2		1	11, 12
371	Topics in 21st Century America		Adv	1	1 st	0.5	11, 12
372	Human Geography		Adv	1	2 nd	0.5	11, 12
376	Psychology		Adv	1	1 st	0.5	11, 12
377	Sociology		Adv	1	2 nd	0.5	11, 12

WORLD LANGUAGE

All high school students attending Saint Bernard School are required to complete a minimum of two (2) years of the same language.

#	Title	Prerequisite	Level	Lgth	Sem	Cr.	Grade level(s)
506	World Cultures			2			6, 7
507	Exploratory Languages (Next offered 2025/26)			1	1 st & 2 nd		7
572	English as a Second Language (ESL) (International Students)		Adv	2		1	6, 7, 8, 9, 10, 11, 12

FRENCH

510	French I		Adv	2		1	8, 9, 10, 11
520	French II	510	Adv	2		1	9, 10, 11, 12
521	Honors French II	510	Hon	2		1	9, 10, 11, 12
530	French III	520/521	Adv	2		1	9, 10, 11, 12
531	Honors French III	520/521	Hon	2		1	9, 10, 11, 12
541	Honors French IV	530/531	Hon	2		1	10, 11, 12
952	AP French Language & Culture <i>Offered as a Virtual High School (VHS) Course at an extra cost.</i>	541	AP	2		1	11, 12

SPANISH

512	Spanish I		Adv	2		1	8, 9, 10, 11, 12
522	Spanish II	508/512	Adv	2		1	9, 10, 11, 12
523	Honors Spanish II	512	Hon	2		1	9, 10, 11, 12
532	Spanish III	522/523	Adv	2		1	10, 11, 12
533	Honors Spanish III	522/523	Hon	2		1	10, 11, 12
542	Spanish IV	532/533	Adv	2		1	11, 12
543	Honors Spanish IV	532/533	Hon	2		1	11, 12
951	AP Spanish Language & Culture <i>Offered as a Virtual High School (VHS) Course at an extra cost.</i>	542/543	AP	2		1	11, 12

LATIN

514	Latin I		Adv	2		1	8, 9, 10, 11, 12
524	Latin II	514	Adv	2		1	9, 10, 11, 12
534	Latin III	524	Adv	2		1	10, 11, 12

BUSINESS**BUSINESS ELECTIVES**

#	Title	Prerequisite	Level	Lgth	Sem	Cr.	Grade level(s)
271	Financial Literacy*		Adv	1	1 st	0.5	11, 12
*Elective for the classes of 2025 and 2026. Required for graduation for the Class of 2027.							
270	Accounting		Adv	2		1	11, 12

NOTE: Elective courses DO NOT satisfy the Mathematics requirement for graduation.

COMPUTER SCIENCE

#	Title	Prerequisite	Level	Lgth	Sem	Cr.	Grade level(s)
706	6 th Grade Seminar			1	1 st & 2 ⁿ		6
707	7 th Grade Seminar			1	1 st & 2 ⁿ		7
710	Exploring Computer Science I	210/211	Adv	1	1 st	0.5	8, 9, 10, 11, 12
711	Exploring Computer Science II	210/211/710	Adv	1	2 nd	0.5	8, 9, 10, 11, 12
720	Computer Projects with Python (Next offered 2025/26)	210/211/710	Adv	1	1 st	0.5	9, 10, 11, 12
721	Intro. to Programming with Java		Adv	1	1 st	0.5	9, 10, 11, 12
730	Fundamentals of Video Game Design		Adv	1	2 nd	0.5	9, 10, 11, 12
731	Robotics (Next offered 2025/26)	710	Adv	1	2 nd	0.5	9, 10, 11, 12
732	Advanced Robotics	731	Adv	2		1	10, 11, 12
733	Honors Advanced Robotics	731	Hon	2		1	10, 11, 12
750	AP Computer Science Principles (APCSP)	212/210	AP	2		1	10, 11, 12
751	AP Computer Science A (Next offered 2025/26)	210/211/710	AP	2		1	11, 12
760	Technology Integration & Innovation <i>(Offered as needed.)</i>	750/751	Hon	1	1 st & 2 ⁿ	0.5	12

PHYSICAL EDUCATION & HEALTH

Each student is required to earn 1.0 credit in Physical Education and 0.5 credits in Health in order to graduate. Students may earn ¼ credit for each sport season he or she completes (with a maximum of 1 credit earned). In addition, students may take either Strength and Conditioning or Nutrition and Exercise to accumulate credit toward the Physical Education requirement. The Health course is the only course that will meet the 0.5 required credits for the Health.

#	Title	Prerequisite	Level	Lgth	Sem	Cr.	Grade level(s)
806	6 th Physical Education & Health			2			6
807	7 th Physical Education & Health			2			7
808	8 th Physical Education & Health			2			8
810	Physical Education		Adv	2		1	9, 10, 11, 12
820	Health <i>(Required for Graduation. Summer School Option)</i>		Adv	1	1 st & 2 ⁿ	0.5	9, 10, 11, 12
871	Nutrition & Exercise		Adv	1	1 st	0.5	11, 12
870	Strength & Conditioning <i>(Up-to-date Physical on file)</i>		Adv	1	2 nd	0.5	11, 12

VISUAL & PERFORMING ARTS

VISUAL ARTS

All students at Saint Bernard School must complete a Fine Arts requirement of one credit in either the Visual or the Performing Arts. The required Visual Arts Department course for all Freshmen is Fine Arts I.

#	Title	Prerequisite	Level	Lgth	Sem	Cr.	Grade level(s)
606	6 th Grade Art			1	1 st & 2 ⁿ		6
607	7 th Grade Art			1	1 st & 2 ⁿ		7
608	8 th Grade Art			2			8
610	Fine Arts I		Adv	2		1	9, 10, 11, 12
615	Pottery	610	Adv	2		1	9, 10, 11, 12
616	Pottery .5	610	Adv	1	1 st & 2 ⁿ	0.5	9, 10, 11, 12
617	Digital Photography	610	Adv	1		0.5	10, 11, 12
620	Advanced Art	610	Adv	2		1	10, 11, 12
621	Honors Advanced Art	610	Hon	2		1	10, 11, 12
650	AP Studio Art Portfolio <i>(Offered alternate years. Not offered 2024/25)</i>	610, 621	AP	2		1	11, 12
651	AP Art History <i>(Offered alternate years. Next offered 2025/26)</i>	80 or above in History & English	AP	2		1	11, 12

*Students must have completed Fine Arts and Teacher Recommendation

PERFORMING ARTS

CHORUS

#	Title	Prerequisite	Level	Lgth	Sem	Cr.	Grade level(s)
602	6th Grade Middle School Music			2		1	6
603	7th Grade Middle School Music			2		1	7
611	Concert Choir		Adv	2		1	8, 9, 10, 11, 12
617	Concert Choir		Adv	1	1 st & 2 ⁿ	0.5	8, 9, 10, 11, 12
614	Honors Concert Choir	610	Hon	2		1	11, 12
953	AP Music Theory <i>(VHS Course)</i> <i>Offered as a Virtual High School (VHS) Course at an extra cost.</i>	610/611/612/613	AP	2		1	11, 12

BAND

613	Symphonic Band		Adv	1	1 st & 2 ⁿ	0.5	8, 9, 10, 11, 12
614	Symphonic Band		Adv	2		1	8, 9, 10, 11, 12
618	String Ensemble		Adv	2		1	9, 10, 11, 12
623	Honors Symphonic Band	612	Hon	2		1	11, 12