



**2018-2019
High School
Program of Studies.**

St Mary's Parish School 27 Bartlett St.
Westfield, MA 01085 (413) 568-5692

Mission Statement: St Mary's Parish School is a Roman Catholic education community serving students from preschool through grade 12. We strive to develop spiritual growth, academic success, character, and integrity in all students. Guided by the Gospel of Jesus Christ and supported by families, we provide a quality Catholic Education where students are challenged to reach their highest potential and are inspired to embrace a life of service for God and neighbor.

Choosing your courses; choosing your path:

Choosing a course of study should reflect a student's interest and college/ career paths, in addition to meeting graduation requirements. Please review the course offerings in this program of study. Make note of any prerequisites required for the class. Check out the NEW courses, but remember, in order to graduate from St. Mary's Parish School, a student must earn passing grades and credits in all required courses. Failure to make up the credit could result in a lack of necessary credits for graduation. Challenge yourself, but be guided by who you are as an individual. Students should plan on a minimum of 6 credits per year. A full year course is 1 credit/unit. A semester course is 0.5 credit/units. All Study periods are meant to allow student of all abilities to have a time set aside during the school day to work on homework, complete makeup work, etc... For some students this time period is essential. Carefully consider the implications of not have a study and having extra classes.

REQUIRED: CREDITS/UNITS	REQUIRED COURSES
English 4 Credits	English I, American, British and World Literature
Theology 4 Credits	Theology I, II, III, IV
Mathematics 4 Credits	Algebra I, II and Geometry
Science 3 Credits	
Social Science 3 Credits	World, U.S. History
World Language 2 Credits w/3rd recommended	
Electives 4 Credits	
Total required for Graduation - 24 Credits Marking System is based on 0 – 100 numerical scale: 60-100 = Passing, credits awarded. 59 and below =Failing, no credit.	

GPA Calculations- St Mary's Parish School uses a weighted Grade Point Average (GPA) based on a 4.0 scale. The weighted GPA takes into account the fact that more advanced courses earn more quality points for a grade than the same grade in a less difficult course. Thus each numeric grade is assigned quality points adjusted according to the level of the course and the credit earned. A regular level course uses a 4.0 to calculate GPA, whereby an Honors and Advanced Placement class use an additional 0.5 for calculations, so these courses use a 4.5 Grade Point Average. For example, an A- (90-92) average in a regular class would be a GPA of 3.67 and the same grade in an honors level course would be considered a 4.17 for the student's GPA. Marking System is based on 0 – 100 numerical scale: 60-100 = Passing, credits awarded. 59 and below = Failing, no credit.

STEPS:

1. Review options for grade level and ability. Read course descriptions, note prerequisites.
2. Discuss with your teachers. Ask them for their thoughts and if you meet the prerequisites.
3. Start to fill in your course selection sheet using a pencil. Use #1 for first choices and # 2 for second choices.
4. If a teacher recommendation is required, the required teacher needs to sign your selection sheet.
5. Review VHS guidelines and consider options. (<http://thevhscollaborative.org>) Use comment section to record possible interests.
6. Review with your parents. Have them sign off that they agree and to make comments if necessary.
7. Arrange a meeting with the Mrs. Gomes, Director of Guidance to review, verify graduation requirements, and for computer input.
8. Administration will work on the computer scheduling process over the next month.
9. You will have your tentative schedule in May.
10. NOTE: All course offerings are subject to change based on student enrollment and master scheduling limitations.

A few notes to consider:

Students cannot take classes on a different level than what have already been taken. For example, if you take an Honors U.S. History II, you cannot then take AP®US History.

Community Service Requirement: Students are required to complete a minimum of 30 hours /year.

Class Level Expectations

All our classes are taught for college bound students. All students can expect rigorous and comprehensive course development with critical thinking skills emphasized throughout their schedule.

Honors students are challenged to work more independently and analytically as they explore topics and themes. Motivation and a strong work ethic are required for success when enrolled in an Honors class. These classes will include more extensive reading and writing assignments; and higher level reasoning skills are expected.

Advanced Placement students can expect courses that are designed for high school students seeking to earn college credit or simply take a more challenging course. The classes are considered to be comparable with college-level requirements, and have a very rigorous curriculum. Students are expected to work independently, prepare thoroughly and be very proactive about their work. Students will be expected to take the AP exam at the end of the school year in May. AP exams are graded on a scale of 1 to 5. You must score a 3 or higher depending on the college to which you are applying in order to get college credit.

SCHOOL POLICY ON RESCHEDULING OR DROPPING COURSES

There will be NO rescheduling or dropping courses after the 3rd week of the start of school or for semester classes, 1 week after the beginning of the second semester. However, teachers can make a recommendation any time within the first term to have a student move within a course level (Honors and Regular) if they feel that the course work level is not aligned with the student's abilities.

Virtual High School (VHS)

St Mary's Parish School is very pleased to offer our students the opportunity to take courses through the Virtual High school (VHS). VHS online courses offer a wide array of course at all levels. With over 300 options, it is a great opportunity to pursue interests and take electives you may not normally have the opportunity to take or to take required course that just can't fit into your schedule.

As exciting as this may be, students need to understand that online classes require a great deal of student independence and willingness to learn without a physical teacher present. These classes are not for everyone. The VHS course curriculum uses web based videos, in depth readings, interactive games, group projects with other online classmates, etc... Students are required to communicate with classmates and teachers through online discussion boards and blogs. Most class work is written and submitted online.

To be successful, the student should have a strong interest in the course they are taking; be extremely self disciplined and self-motivated and able to be take full responsibility for your time management. If you fall behind, you may find yourself with a whole weekend worth of work. VHS has a very strict late work policy. 10% off for the first week; 20 % for the second week and then nothing accepted after two weeks. Falling behind is not optional. You also need to be a proficient user of technology.

Each week begins on Wednesday and ends on a Tuesday. It is vital to log on each day and get some work done every day. Students taking VHS are required to use their dedicated school time to work on their VHS class. This dedicated time is not a study, nor the opportunity to work on other STM school work. VHS classes do not stop during school vacations, except for a three week break in December, if you are taking a year long course. The STM faculty and/or VHS room supervisors are only required to remind students to work on VHS. They are not the teacher for the course. All questions on course material are normally directed to the VHS teacher, not the STM faculty. Questions may take up to 24-48 hours to get answered. The St Mary's Parish School's VHS Site Coordinator oversees the student's progress and grades and is the liaison between the VHS teacher and the student and the St. Mary's administration.

If you sign up for a course, you will be required to take the VHS orientation, which allows you to get a feel for the online learning experience before your class actually begins. We strongly suggest student take a standard level introductory course to learn the online platform before taking a high level honors class. VHS is not for all students. Student can begin taking VHS classes in their Junior Year. Only one credit in VHS per year is recommended. However, **no student may take more than 2 credits of VHS courses per year.** Any student wishing to take a VHS course needs approval from our Guidance team.

If you have questions about VHS, see Mrs. Gomes or explore the VHS website (<http://thevhscollaborative.org>)

THEOLOGY –4 credits required

Theology I (Grade 9) 1 Credit **Prerequisites: None**

This course provides an overview of the mystery of Jesus Christ. In the first half, students will undertake an examination of the Sacred Scriptures. They will learn about the Bible, how it was authored by God through inspiration, and its value to people throughout the world. They will become familiar with the major sections of the Bible, with particular attention paid to the Gospels. In the second half of the year, students will be introduced to the mystery of Jesus Christ, the Second Person of the Trinity. They will understand that Jesus Christ is the ultimate Revelation of God and by learning who Jesus is, they will examine who he calls them to be. This course follows the “Doctrinal Elements of a Curriculum Framework” approved by the United States Conference of Catholic Bishops published in 2008.

Theology II (Grade 9) 1 Credit **Prerequisites: Theology I**

This course provides an understanding of all that God has done for us through his son, Jesus Christ. Students will learn that for all eternity God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ. In the second half of the year, students will examine how they encounter Jesus through the Church. They will be

introduced to the fact that the Church was founded through the Apostles and is sustained by the Holy Spirit as it continues as the Body of Christ to the present day. This course follows the “Doctrinal Elements of a Curriculum Framework” approved by the United States Conference of Catholic Bishops published in 2008.

Theology III (Grade 11) 1 Credit **Prerequisites: None**

This course provides an overview of Catholic sacraments and moral theology. Based on the second and third sections of The Catechism of the Catholic Church, this course will explore each of the seven sacraments and the basis of the sacramental economy. Morality will cover such foundational topics as virtue, human dignity, sin, free will, law, freedom, responsibility, grace, holiness, and conscience. It then moves to an exploration of our moral commitment to imitate Jesus through an examination of the Ten Commandments and the Church's social teaching. This course follows the “Doctrinal Elements of a Curriculum Framework” approved by the United States Conference of Catholic Bishops published in 2008.

Theology IV (Grade 12)

1 Credit

Prerequisites: None

This course provides an overview of Catholic Church history from Pentecost and the time of the apostles to the present day. Emphasis will be placed on the development of doctrine and on the people who make up the Church from popes and laity to saints and sinners. We will also examine specific ecumenical and interfaith issues. We will examine the causes for the divisions within Christianity (Orthodoxy and Protestantism) and the Church's relations with other religions, especially Judaism and Islam. This will also feature an examination of the beliefs of each of these groups. This course follows the "Doctrinal Elements of a Curriculum Framework" approved by the United States Conference of Catholic Bishops published in 2008.

ENGLISH LANGUAGE ART - 4 credits required

Required courses- American, British and World Literature

English I Survey of Literature (Grade 9) 1 Credit

Prerequisites: None

The purpose of the English I Survey of Literature course is to provide freshmen students with a sampling of literature that invites them to further explore literary works as they progress through high school English. The curriculum is organized around themes appropriate for beginning high school students as they are introduced to a study of the English language and the major literary genres. Mechanics of grammar are introduced.

Vocabulary study will be geared towards the SAT. Students will be involved in a variety of learning situations that foster the development of creative and critical thinking, reading, writing, research, and oral communication skills. Writing portfolio and research paper are required.

Honors English I Survey of Literature (Grade 9)

1 Credit

Prerequisites: 87 of higher in previous English course and teacher recommendation

The main goal of the Honors English I Survey of Literature course is to expose students to a wider variety of reading and writing experiences around themes appropriate for beginning high school students as they are introduced to the study of the English language and the major literary genres. Mechanics and grammar are reviewed with an emphasis placed on problem areas.

Vocabulary study will focus on SAT words and their usage. Students will be involved in a variety of learning situations that foster the development of creative and critical thinking, reading, writing, research, and oral communication skills. Writing portfolio and research paper are required. The Honors curriculum is supplemented with additional readings and more complex writing assignments.

American Literature (Grade 10/11/12)

1 Credit

Prerequisites: None

The American Literature course is the first of the English curriculum for grades 9-12. This course is organized chronologically and thematically in order to help the student connect with the content of the course, namely: the way in which America's experience is defined and explored in her literature. This course provides students with a comprehensive survey of American Literature from the Early American-Modern periods. All genres of literature including novels, short stories, poetry, and drama will be studied. In addition, SAT vocabulary, study skills, essay writing, and creative writing will be assigned. In keeping with the Common Core English standards, the students are involved in a variety of learning situations that foster the development of creative and critical thinking, reading, writing, research, and oral communication skills. A Writing Portfolio and Research Paper are required.

Honors American Literature (Grade 10/11/12)

1 Credit

Prerequisite: 87 or higher in 8th Grade English

The American Literature course is the first of the English curriculum for grades 9-12. This course is organized chronologically and thematically in order to help the student connect with the content of the course, namely: the way in which America's experience is defined and explored in her literature. This course provides students with a comprehensive survey of American Literature from the Early American-Modern periods. All genres of literature including novels, short stories, poetry, and drama will be studied. SAT vocabulary, study skills, essay writing, and creative writing will be assigned. In addition to the required texts, supplemental works of literature will be assigned. In keeping with the Common Core English standards, the students are involved in a variety of learning situations that foster the development of creative and critical thinking, reading, writing, research, and oral communication skills. A Writing Portfolio and Research Paper are required.

204- British Literature (Grade 10/11/12) 1 Credit
Prerequisites: American Literature

This course surveys British Literature from the Anglo Saxon period- 20th Century. Major works include authors from each important literary era, showing how they reflect the area, influence other writers, and are the voices of their time. English drama and novels will be studied. In addition, SAT vocabulary, study skills, essay writing, and creative writing will be assigned. In keeping with the Common Core English standards, the students are involved in a variety of learning situations that foster the development of creative and critical thinking, reading, writing, research, and oral communication skills. A Writing Portfolio and Research Paper are required.

British Literature Honors (Grade 10/11/12) 1 Credit
Prerequisite: 87 or higher in American Literature

This intensive course surveys British Literature from the Anglo Saxon period- 20th Century. Major works include authors from each important literary era, showing how they reflect the area, influence other writers, and are the voices of their time. English drama and novels will be studied. SAT vocabulary, study skills, essay writing, and creative writing will be assigned. In addition to the required texts, supplemental works of literature will be assigned. In keeping with the Common Core English standards, the students are involved in a variety of learning situations that foster the development of creative and critical thinking, reading, writing, research, and oral communication skills. A Writing Portfolio and Research Paper are required.

World Literature (Grade 10/11/12) 1 Credit
Prerequisites: English II

The World Literature course is intended to expand upon the study of genres and cultures from the previous years. Additionally, students will synthesize this previous information into a cultured and mature worldview. This course is organized thematically in order to help the student to connect with the content of the course, namely: the way in which the cultures of the world, and common questions of the human experience, are defined and explored in literature. All genres of literature, including novels, poetry, and scripts will be discussed in a manner that makes direct correlations to the society of a given time. In addition, SAT vocabulary, study skills, essay writing, and creative writing will be assigned. Students will also work to prepare their college essay in

the fall. In keeping with the Common Core English standards, the students are involved in a variety of learning situations that foster the development of creative and critical thinking, reading, writing, research, and oral communication skills. A Writing Portfolio and Research Paper are required.

World Literature Honors (Grade 10/11/12) 1 Credit
Prerequisite: 87 in Previous English Course

This intensive course is intended to expand upon the study of genres and cultures from the previous three years. Additionally, students will synthesize this previous information into a cultured and mature worldview. This course will follow a faster pace and allow for a more in-depth study of World Literature. It is organized thematically in order to help the student to connect with the content of the course, namely: the way in which the cultures of the world, and common questions of the human experience, are defined and explored in literature. All genres of literature, including novels, poetry, and scripts will be discussed in a manner that makes direct correlations to the society of a given time. In addition, SAT vocabulary, study skills, essay writing, and creative writing will be assigned. Students will also work to prepare their college essay in the fall. In keeping with the Common Core English standards, the students are involved in a variety of learning situations that foster the development of creative and critical thinking, reading, writing, research, and oral communication skills. A Writing Portfolio and Research Paper are required.

Advanced Placement (AP[®]) Literature and Composition (Grade 12) 1 Credit
Prerequisite: Average of 90 or higher from 3 credits of English and Teacher Recommendation.

The AP English Literature and Composition course is designed to engage students in the careful reading and critical analysis of various literary genres. Through the close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students will consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Intensive reading and writing are the two key components of this course. The course will culminate in the completion of the AP English examination in the late spring. All students enrolled in the course are required to take the exam. Successful performance on this test may

qualify the student for college credit or advanced standing in college. Writing portfolio and research paper are required. Students will also work on their college essay in the fall.

College Writing (Grade 12) 0.5 Credit
Prerequisites: None

Seniors who plan to attend a four year college should take this course as preparation. This English course is designed for the students who have a sincere desire to improve and strengthen their skills in writing. It is designed as a writing lab for college bound seniors who wish to refine their expository writing skills. Students must be self motivated, as their own writing forms the text. The types of writing required in college are emphasized, including the research paper.

Creative Writing (Grade 10/11/12) 0.5 Credit
Prerequisites: English I

Creative Writing is an intensive writing course in which students study and create a variety of works: poetry (both structured and free form) short stories, memoirs, dramatic monologues, and written collages. Students will develop and hone their writing and editing skills, learn ways to trigger their creativity, give and receive constructive criticism, and share their work aloud in a workshop environment.

Science Fiction & Fantasy (Grade 10/11/12) 0.5 Credit
Prerequisites: English I

This course develops English skills through the related genres of science fiction and fantasy by reading the works of science fiction by authors such as J. R. R. Tolkien and Ray Bradbury. Novels, short stories, poems, and films are included in the course. Students who take this course will be required to complete additional and more in depth readings, papers, and research.

Literature Through Film (Grade 11/ 12)
0.5 Credit

Prerequisites: English II

This college preparatory elective class will be an aid in the exploration in a variety of cultures that address the major issues in the exchange between film and literature since the beginning of the twentieth century. Class time will be given to provide landmark discussions of different genres and practices (such as poetry and movies or film scripts as literature) through writings by major film figures. We will also study a concise, but detailed history of film and literature and the critical

terms and techniques used in film and literary analysis as well as a detailed history of the bond between film and literature, from theatrical narratives of the silent film era to recent and classical blockbuster adaptations of Shakespeare, Kesey, Steinbeck, Puzo, Metalious, etc... The class will culminate in how to write a proper screenplay. This will help encourage lifelong skills in writing both for pleasure as well as vocation. Terminology and descriptions involving the art of filmmaking will encompass much of the class. It is not a class built around simply watching films. You will be called upon to deeply reflect upon various elements in filmmaking and communicate your own ideas on a plethora of assigned topics.

MATHEMATICS - 4 credits required

Required courses: Algebra I, II and Geometry

Algebra I (Grade 8/9) 1 Credit
Prerequisites: None

This course introduces the student to the fundamentals of Algebra. Some of the topics covered are: variables, polynomials, algebraic fractions, polynomial division, an introduction to functions, and systems of linear equations. An overriding objective of this course is the increased mastery of problem solving techniques.

Honors Algebra I (Grade 8/9) 1 Credit
Prerequisites: 85 or higher and with teacher recommendation

This course is an extension of the topics covered in Algebra I, taught at an advanced level to those students qualifying for an honors course. In addition to polynomials, algebraic fractions, polynomial division, an introduction to functions, and systems of linear equations, students will also cover inequalities and rational/irrational numbers.

Geometry (Grade 9/10) 1 Credit
Prerequisites: Algebra I

The goals of this course are to develop students' proficiency with geometric skills and to expand their understanding of geometric concepts. The course will cover, in logical sequence, the following: points, lines and planes, angles, perpendicular lines, parallel lines, congruent triangles, polygons, similar triangles, right triangles, and circles. Throughout the course, the concepts the students learn will assist them in

organization of their ideas. They will gradually be led to the concepts of geometric proofs.

Honors Geometry (Grade 9/10) 1 Credit

Prerequisite: 85 or higher in Algebra I, AND teacher recommendation

This course is an extension of the topics covered in Geometry, taught at an advanced level to those students qualifying for an honors course. In addition to points, lines and planes, angles, perpendicular lines, parallel lines, congruent triangles, polygons, similar triangles, right triangles and circles, the course will also cover area and volume and plane figures. Throughout the course, the concepts the students learn will assist them in organization of their ideas. They will gradually be led to the concepts of geometric proofs.

Algebra II (Grade 10/11)

1 Credit

Prerequisites: Algebra I

Topics covered are basic concepts of Algebra, equations and inequalities, absolute value, linear equations and functions, linear systems, polynomials, factoring with application, rational expressions, irrational and complex numbers, and quadratic equations. Word problems are incorporated within each topic.

Honors Algebra II (Grade 10/11)

1 Credit

Prerequisites: 85 or higher in Algebra I and teacher recommendation

This course is an extension of the topics covered in Algebra II taught at an advanced level to those students qualifying for an honors course. In addition to: equations and inequalities, absolute value, linear equations and functions, linear systems, polynomials, factoring with application, rational expressions, irrational and complex numbers and quadratic equations, the course will include: quadratic equations, quadratic functions, graphing quadratic equations, analytic geometry, circles, parabolas, ellipses and hyperbolas. Word problems are incorporated within each topic.

Trigonometry and Functions (Grade 11/12) 1 Credit

Prerequisites: Geometry and Algebra II

This course covers an in-depth analysis of functions and relations beginning with linear functions. In addition, the course will also cover radicals, quadratic, trigonometric, circular, and logarithmic functions. This course is intended for students who wish to continue their study of mathematics, but do not wish to take Calculus.

Advanced Math/Precalculus (Grade 11/12) 1 Credit

Prerequisite: 85 or higher in Advanced Algebra II and teacher recommendation

The goals of this course are to extend upon the concepts and topics of Algebra and Geometry – leading into Calculus. The topics covered are linear functions, quadratic equations, polynomial functions, trigonometric functions with applications, sequences and series, probability and exponential and logarithmic functions.

Calculus (Grade 12)

1 Credit

Prerequisite: 90 or higher in Advanced Math/Precalculus and teacher recommendation

The goals of this course are to acquaint the students with the basic concepts in an intuitive yet intellectual way and to illustrate the many applications of Calculus to the biological, social, economical and management sciences. This covers the derivative with applications, techniques of differentiation, exponential and natural logarithm functions with applications, the definite integral, and techniques of integration.

Financial Literacy Course (Grade 12)

0.5 Credit

Prerequisite: None

This half year course is designed to educate students in finance, budget, stocks, retirement accounts, balancing checkbooks, banking, car loans, mortgage loans, and credit cards. This course is aligned to the Lifestyle Math Curriculum of the MA Math Frameworks. Students will be expected to participate in the Stock Market Challenge, Dress for Success Day, creating a personal and household budget, and complete a capstone project. Students will design SMART goals and learn the differences between "wants" and "needs".

Math Applications (Grade 12)

0.5 Credit

Prerequisite: None

This half year course is designed to educate students on Model Mathematics and Statistics. Students will learn to interpret structure and expression using algebraic expressions and functions, probability, and statistics through mathematical problems. Students will be able to summarize and interpret data, understand and evaluate data, and make inferences on this data. Students will be able to learn and understand the rules of probability to compute scores and standard deviations. The students will learn math through applied life lessons, including completing their own research project.

SCIENCE, ENGINEERING AND TECHNOLOGY

3 credits required

Environmental Science-(Grade 9/10) 1 Credit

Prerequisite: None

This course includes introductory biology, chemistry, physics and earth science content studied in an ecological and environmental context, providing students with a greater understanding of the connections between the sciences. The scientific method will be reinforced and used to look at real world and current issues. Students will apply scientific principles to complex problems allowing students to practice the critical thinking skills they need to succeed. This course is based on the Next Generation Science Standards.

Biology (Grade 9/10) 1 Credit

Prerequisite: None

This course focuses on topics including the study of cellular structure, function differentiation; energy transfer; genetics and protein synthesis; evolution; microbiology, diversity and basic classification of organisms. This course includes laboratory studies to help students grow their understanding of life processes, biological cycles, and the biological relationship between form and function. This course is based on the Next Generation Science Standards.

Chemistry (Grade 10/11) 1 Credit

Prerequisite: Biology or Environmental Science

The course covers the basic principles of Chemistry, which is the study of matter, its structure, properties, composition, and the changes that matter undergoes. We will be discussing and doing activities related to measurement, matter, energy, atomic structure, electron configuration, the periodic table, stoichiometry, chemical bonding, chemical formulas and equations, phases of matter, solutions, acids and bases. This is a laboratory course with hands on activities so as to help understand the different concepts of Chemistry. This course is based on the Next Generation Science Standards.

Anatomy & Physiology I (Grade 11/12) 0.5 Credit

Prerequisite: 85 in Biology and Chemistry

This course includes an overall introduction to the structure and function of the human body including the levels of structural organization from atoms to the full

organism. Basic chemistry and cell theory will be reviewed. The body tissues, integumentary (skin) and skeletal systems will be studied.

Anatomy & Physiology II (Honors)- 0.5 Credit (Grade 11/12)

Prerequisite: Anatomy & Physiology I

This course completes Anatomy and Physiology I and is meant for the student who plans to pursue a possible science/medical career path. This course includes the study of the Muscular System, Nervous System, Digestive System, Respiratory System, Cardiovascular System, and Endocrine System.

Physics- (Grade 12) 1 Credit

Prerequisite: 85 or higher in upper level math class that includes trigonometry.

The course covers the basic concepts of mechanics, motion, gravitation, displacement of forces in one and two dimensions, periodic motion, sound, electricity, magnetism, light, and nuclear physics. This is supported by laboratory exploration, competence in mathematical relationships, and the ability to apply such relationships to scientific principles. This course is based on the Next Generation Science Standards.

Astronomy- (Grade 11/12) 0.5 Credit

Prerequisite: None

Is a semester survey course on the field of Astronomy. Students will learn about Earth, the planets of the Solar System, the Moon, the Sun, the stages of star development, black holes, galaxies, famous astronomers, and the space program. Students who take this course will have a better understanding of the universe and the objects within it through research and participation. Student will be expected to complete four projects, two with partners and two independent, in addition to completing a Current Event Scrapbook

Forensics - (Grade 11/12) 0.5 Credit

Prerequisite: Biology and Chemistry

This course introduces students to the laboratory science and scientific methods that accompany law enforcement. The students will perform various hands-on activities as well as make use of virtual materials to learn more about evidence collection, fingerprints, DNA analysis, drug analysis, autopsies and other methods used to solve crimes.

Intro to Engineering- (Grades 11/12) 0.5 Credit
Prerequisite: 2 Credits in both science and of math

This semester course exposes the student to the basic math, science, and engineering principles of modern technology. Students will learn how engineers envision, design, and create the technology around them by using the engineering design process. The course will explore the different types of Engineering that is available, while also offering many extensive hands-on projects, and designing and creating projects using CAD programs.

Computer Aided Design- (Grades 11/12) 0.5 Credit
Prerequisite: 2 Credits in both science and math

This semester course exposes the student to a few Computer Aided Design programs, Google Sketch Up, and Key Creator. The student will practice drawing with graph paper and then advance to the CAD programs. The student will draw objects that are found around the classroom and advance to drawing their family home.

Web Design Class 101 (Grade 10/11/12) 0.5 Credit
Prerequisite: None

This half year course focuses on the web design language of HTML. Students will learn how to create simple web pages with image and utilizing CSS. Students will learn codes and techniques to integrate into web designs. Students will learn basic operations, word processing / desktop publishing, Database, Spreadsheets, Internet Networking, and Online Communication, Multimedia, Web Authoring, Ethics, Society, Health and Safety, Research, Problem Solving, and Communication. Students will be utilizing online references such as Khan Academy and Code Academy also with printed resources. They will install their own private Wordpress Blog and update it weekly. There may be a \$20 cost associated with enrollment in this class.

Web Design Class 102 (Grade 10/11/12) 0.5 Credit
Prerequisite: Web Design Class 101

This half year course focuses on a more in depth look at the language of HTML. Students will learn how to create simple web pages with image and utilizing CSS. Students will learn codes and techniques to integrate into web designs. Students will learn basic operations, word processing / desktop publishing, Database, Spreadsheets, Internet Networking Online Communication, Multimedia, Web Authoring, Ethics, Society, Health and Safety, Research, Problem Solving, and Communication.

Students will be utilizing online references such as Khan Academy and Code academy also with printed resources. Students will install their own private Wordpress Blog and update it weekly. There may be a \$20 cost associated with enrollment in this class.

SOCIAL STUDIES 3 credits required

Required Course: World and U.S. History

World History (Grade 9) 1 Credit
Prerequisite: None

World History is a full- year course that will analyze the social, political and economic developments of the earliest human civilizations up to The Revolutions of 1848. Topics include the Ancient Worlds of Africa ,Asia, and the Americas; the Rise of the World Religions; the Roots of Western Civilization from Ancient Greece and Rome; Europe during the Middle Ages; The Crusades; Muslim Civilizations; Renaissance and Reformation; the Age of Exploration; European Absolutism; The French Revolution and the Napoleonic Wars; Industrialization; and Nationalism.

United States History I (Grade 10) 1 Credit
Prerequisite: World History I

United States History is a full-year course that will analyze the social, political, and economic developments of pre-colonial America through the United States of the early 20th Century. This course will witness America's early struggles, triumphs, tragedies, and failures as the country transitioned from a colonial government to a modern superpower. Topics include First Encounters and Colonization; The American Revolution; Expansionism; The Civil War and Reconstruction; The Labor and Women's Rights Movements; Immigration; and Imperialism.

Honors United States History I (Grade 10) 1 Credit
Prerequisite: 90 or higher in World History I

The Honors version of this United States History course covers the same material, but stresses higher order thinking skills as students analyze the impact of the past to our modern global society.

United States History II (Grade 11) 1 Credit
Prerequisite: United States History I

United States History II is an analytical, historical portrayal of American life through the 20th Century and the beginning of the 21st Century. Topics include World War I; the Roaring Twenties; the Great Depression; FDR

and the New Deal; World War II; the Cold War; McCarthyism; the Civil Rights Movement; 1950's Society; the Kennedy and Johnson Administrations; the Vietnam War and the social revolutions of the 60's; the Nixon Presidency and Watergate; the economic and social events of the 70's; the Reagan Decade; the Gulf War; the Clinton Administration; and the beginning of the 21st Century.

U.S. History thru Film I (Grade 11/12) 0.5 Credit
Prerequisite: None

United States History through Film will examine the social, political and economic developments of America through the use of motion pictures and television struggles, triumphs, tragedies, and failures prior to its developments as a modern superpower.

United States History through Film I will progress from colonial America to the Westward expansion and Indian wars, including manifest destiny and slavery in the United States.

U.S. History thru Film II (Grade 11/12) 0.5 Credit
Prerequisite: United States History through Film I

United States History through Film II will continue to examine the social, political and economic developments of America through the use of motion pictures and television productions. This course will cover immigration, urbanization and political machines from the 1920's and 30's and include the great depression and continue through the Cold War and Vietnam to contemporary America.

Political Science (Grade 11/12) 0.5 Credit
Prerequisite: None

Political Science is a survey course that deals with primarily the United States system of government and the analysis of political activity and political behavior, both historical and current. We will examine the origins of American Democracy and the structures, functions and practices within our system. We will compare and contrast governments and political systems employed in other countries. We will examine the meaning of democracy, citizenship, justice, authority and national identity. We will explore the current political trends and the strengths and challenges within our political system. We will debate and discuss current affairs as they unfold.

Honors U.S. History II (Grade 11) 1 Credit
Prerequisite: A- United States History I

The Honors version of this United States History II course covers the same material, but hones investigative and diagnostic skills as student look to the past to make predictions and inferences for present day and into the future.

(AP®) United States History (Grade 11/12) 1 Credit
Prerequisite: Writing Sample and Objective test A- or better and Teacher Recommendation.

[Course is not always available each year- VHS Option can be used as an option]

Advanced Placement United States History is a full-year course that will analyze the social, political, and economic developments of pre-colonization America to the present day. This college preparatory course will witness America's early struggles, triumphs, tragedies, and failures as the nation transitioned from the home to Native American tribes and competing European colonists, to a major global superpower and beacon of republicanism and freedom. The new version of this course will tell the story of America in 9 parts; Contact and Exploration; Settlements Old and New; Creating the United States of America; Crafting a Nation, People, Land, and a National Identity; Expansion, Separation, and a New Union; Becoming an Industrial World Power; War, Prosperity, and Depression; Fears, Joys and Limits; Certainty, Uncertainty, and New Beginnings. Students are **required** to take the AP Exam in May, and certain qualifying scores could result in students earning college course credits.

Fundamentals of Law (Grade 12) 1 Credit
Prerequisite: None

Fundamentals of Law introduces students to practical, personal, and everyday law. The course will examine the United States Constitution and prepare students to recognize and understand how it's laws operate at the federal, state and local levels. The course provides students with a working knowledge of the law, helps them avoid legal problems, and how to handle problems if they do occur. Topics include the Bill of Rights; Juvenile Justice; Crimes; Sentencing; Trial and working with a lawyer.

Civics (Grade 9/10)**0.5 Credit****Graduation Requirement**

Students will study the foundations of American democracy and the origins of American government. Emphasis is placed on the Constitution and the rights and responsibilities of citizens in a democratic society. In addition, the roles of political parties, campaigns, elections, public opinion, and the media will also be considered.

Psychology (Grade 11/12)**0.5 Credit****Prerequisite: None**

Psychology is an introductory course in which students will examine many broad topics that surround the study of the science of Psychology. The course will look at the origins and the people who made significant contributions to the development of the field of Psychology. Further, students will examine the many schools of thought, both historical and modern. Topics will include: Personality Development, Memory, Emotional Development; Brain Structures and Functions, Human Development, Consciousness, Stress and Health, Learning, Psychological Disorders, and Social Cognition and Interaction.

WORLD LANGUAGE 2 Credits w/3 recommended.**French I (Grade 8-12)****1 Credit****Prerequisite: None**

French I is an introductory course to French language and culture. A strong emphasis is placed on speaking and listening in the beginning, but as the year progresses, students will greatly develop their reading and writing skills as well. Students will learn and develop effective study habits through the use of online resources that can be utilized in the classroom and at home.

French II (Grade 9-12)**1 Credit****Prerequisite: French I**

French II concentrates on a deeper understanding of French language and grammar. Students will develop an understanding of new verb tenses, more complex sentence structures and a variety of vocabulary. Students will be given the opportunity to further develop their understanding of French and Francophone culture by

doing independent or group presentations. As in French One, a strong emphasis is placed on the use of online resources to implement the more traditional book work.

French III (Grade 10-12)**1 Credit****Prerequisite: 80 or higher in French II**

French III includes an intensive review of grammar learned in the first two years of study. Due to the intensive nature of the course, students are expected to approach it in a mature and serious fashion, continually reviewing vocabulary and grammar independently throughout the year. Longer and more complex writing assignments will be given, and an understanding of French and Francophone culture is developed through certain readings and individual projects. Additionally, students will gain confidence in speaking through group exercises. Lastly, a wider range of online French resources (music, articles, videos, etc) will be utilized.

French IV (Grade 11-12)**1 Credit****Prerequisite: 90 or higher in French III and teacher recommendation**

French IV includes an intensive review of grammar learned in the past three years of study. Emphasis is placed on the practical use of the French language in everyday life. Through the extensive use of online French resources such as online newspapers, media, interactive sites and music, students will improve their listening and comprehension skills as well as be up to date on French and Francophone current events. Also, greater attention is placed on oral presentations and dialogues. Additionally, comprehension skills will be strengthened through the use of reading well-known short stories and watching French cinema

Spanish I (Grade 8-12)**1 Credit****Prerequisite: Pre-Spanish I**

Spanish I is a continuation of the basics of the language including a review of all the basics learned from Pre-Spanish I to going deeper into the present tense with all of the irregular verbs and several, fairly exhaustive lists to build their vocabulary for Spanish II. This class is very interactive and focuses on comprehension and spoken aspects of the language.

Spanish II (Grade 9-12) 1 Credit

Prerequisite: Spanish I

Spanish II takes the present tense and delves into the present subjunctive, commands and an introduction to the basic past tense, known as the “Preterite.” Similarly, Spanish II students receive several lists of vocabulary, even more advanced and exhaustive of many subject matters. This class emphasizes the comprehension, spoken and the beginning stages of reading and writing through Spanish Readers.

Spanish III (Grade 10-12) 1 Credit

Prerequisite: 80 or higher in Spanish II

Spanish III completes all grammar tenses ranging from the present, past, subjunctive, commands to the compound tenses, future and conditional. By this point, the students should have an expertise on the basic vocabulary of a plethora of subjects, therefore, we expand into “Connector Words,” such as “therefore, meanwhile, from time to time etc. This class is conducted strictly in Spanish; it’s expected that the students will put forth their best effort to speak the target language!

Spanish IV (Immersion) (Grade 11-12) 1 Credit

Pre-requisite: 90 or higher Spanish III and teacher recommendation

Spanish IV is an immersion class, that’s to say, there is NO English allowed by the teacher or the student at any time, barring an emergency! This course will be set up in a “Roundtable” style classroom, conducive to personal learning with the chairs in a circle. We will discuss the issues of the day, and student will complete research projects to present to the class. We will endeavor to connect with the Hispanic Community to hone our skills with native speakers and learn more about their culture.

FINE AND PERFORMING ARTS

Music & Drama (Grade 11/12) 1 Credit

Pre-requisite: None

This course will introduce students to the art and history of music and drama. Through demonstrations, study, and performance, students will gain an appreciation for these art forms. Students will be expected to gain a basic understanding of the fundamentals of music reading/writing, the history of Western music, acting, directing, and current events in these fields. A survey of plays from the early 20th century through the present day will be read. A representative sample of musicals and composers will be examined throughout the year. The practical aspects of music and drama will be emphasized, included involvement in the school drama performances.

Drawing I - Foundations. (Gr 9-12) 0.5 Credit

Prerequisite: For entering 9th graders-overall grade average of 85 in 8th grade and strong interest in Art.

This course introduces students to the basics of drawing. It is the prerequisite for all other art courses, yet suitable for those with no art experience! It is the introduction to drawing, materials and use. It includes basic concepts for designing and creating a piece of original art including the introduction to measuring and proportion. The Emphasis is on drawing from life using objects set up in a still life arrangement, however, use of photos for reference is also covered. *Materials:* graphite pencils, pastels, charcoal, colored pencil

Drawing II (Grades 10-12) 0.5 Credit

Prerequisite: Drawing I - Foundations

Developing more sophisticated drawing skills through various drawing media. Use of line, texture, shading, gesture, design concepts, composition will be emphasized. Students will create more work based on their own ideas and original concepts. Students must be required to work independently.

Painting I Foundations. (Grades 10 -12) 0.5 Credit

Prerequisite: Portfolio or Drawing I -Foundation

This course introduces students to the basics of painting and color theory including the introduction to painting materials and surfaces used in painting. Emphasis is on subjects from life and how to use photographic reference material. Painting media used: watercolors and acrylics.

Painting II (Grades 10 - 12) 0.5 Credit

Prerequisite: Painting I Foundations course.

This course involves a more intense instruction in painting technique and development of original concepts of art. The student is encouraged to develop original concepts and applications. Oil paint is offered at this level and students may pursue their favorite medium in the creation of their projects.

Clay Forms I Foundations. (Grade 10-12) 0.5 Credit

Prerequisite: Drawing I - Foundation course

This course is an introduction to hand building in clay. Simple projects such as a plaque, simple boxes and containers will be the focus, using basic wedging techniques, coil and slab building, using a variety of tools. Students will be introduced to the use of glazes and firing methods

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Clay Forms 2 (Grades 10-12) 0.5 Credit

Prerequisite: completion of Clay Forms 1

This course will be a further investigation of clay making using more sophisticated structures. There will be class assignments, but students will be required to make design original works to execute in clay. They will use both high fire/low fire clay and high fire/low fire

Health and Wellness (Grade 9/10/11/12) 0.5 Credit

Graduation Requirement

This is a one-semester course designed to introduce the student to health concepts and provide practical application of those concepts. Students will explore the dimensions of wellness, growth and development, the human body, human disease, nutrition, mental health, adolescent health issues, as well as community health and wellness. Experts from the health, medical and law enforcement community as well as hands-on activities enhance the student learning experience.

glazes. Pottery wheel will be available for those interested.

Design Concepts I (Gr 10-12) 0.5 Credit Prerequisite:

Drawing I – Foundations Students will learn how to use and develop basic design concepts and practices to develop their own designs and works of art. We will design an abstract painting, incorporating color theory and basic painting techniques. Suitable for students with limited to no experience with art.

Design Concepts II (Grades 10-12) 0.5 Credit

Prerequisite: Design Concepts I

Students will utilize newfound knowledge of design from Design I to create more design projects. Level of difficulty will increase. We will make projects in various mediums (drawings, paintings, sculpture).

Art Tutorial (Grade 11-12)

0.5 Credit

Prerequisites: Portfolio

This is a self-guided course for the student artist developing their portfolio for college or just mastering their chosen media. Students are required to develop original concepts for their projects. The students who takes this course needs to show some mastery of technique in their chosen medium.

Art History through Studio Art (Gr 10-12) 0.5 Credit

Prerequisite: Prerequisite: Drawing I - Foundations

Students will study several famous art pieces and create their own inspirations from them. We can possibly get two - three paintings done during one semester. Basics of art making will be covered: mixing colors, color theory

This course is the foundation for producing health literate citizens in the 21st century.