

## ENGLISH DEPARTMENT

### **Guidelines for Parents and Students:**

All students are required to successfully complete four credits of English.

### **Freshmen**

#### **English I Honors 1 1.0 credit**

The freshman English program at the honors level is designed to meet the needs of students who are proficient in reading, writing, and communication skills. Literature study includes the four genres and the literary techniques used in each, as well as an introduction to William Shakespeare's work. The course aims to refine research and writing skills and to strengthen the students' skills in vocabulary and English usage.

#### **Prerequisites:**

- Outstanding scores on placement test
- Elementary/middle school grades indicating excellence; evidence of good effort and motivation

#### **English I Honors 2 1.0 credit**

An introduction to the four literary genres, this course is designed to foster in students an appreciation of literature and a love of reading. Emphasis is placed on higher thinking skills. The text is supplemented by several novels or plays, which present the theme of prejudice and serve as a basis for discussion of this theme. The course aims to refine research and writing skills and to strengthen the students' skills in vocabulary and English usage.

#### **Prerequisites:**

- Above average score on placement test
- Elementary/middle school grades indicating above average proficiency in writing; evidence of good effort and motivation

#### **English I College Prep 1 1.0 credit**

This course is an introduction to the four literary genres with emphasis on comprehension and interpretation. Reading skills are developed by an examination of selected novels and works from the literature text. The course aims to refine research and writing skills and to strengthen the students' skills in vocabulary and English usage.

#### **English I College Prep 2 1.0 credit**

This course is an introduction to the four literary genres: fiction, nonfiction, poetry, and drama. Three novels or plays with the theme of prejudice, chosen for their high interest level and accessibility, supplement the text. The course aims to refine research and writing skills and to strengthen the students' skills in vocabulary and English usage.

## Sophomores

### English II Honors 1 1.0 credit

This course is an in-depth survey of American literature from colonial times to the present. In their study of literature, students are directed to critically analyze and identify the religious, philosophical, historical and literary themes of American writers. Several novels are assigned in the course of the school year for independent reading. The Shakespearean play Julius Caesar is also part of the program. The course aims to refine research and writing skills and to strengthen the students' skills in vocabulary and English usage.

#### Prerequisites:

- Recommendation of the English Department
- English I Honors 1 OR B+ average in English I Honors 2
- Writing proficiency above grade level

### English II Honors 2 1.0 credit

This is a course in which major selected works in American literature are studied and discussed. In their study of literature, students are directed to critically analyze and identify the religious, philosophical, historical and literary themes of American writers. Several novels are assigned in the course of the school year for independent reading. A major Shakespearean play, Julius Caesar, is also part of the program. The course aims to refine research and writing skills and to strengthen the students' skills in vocabulary and English usage.

#### Prerequisites:

- Recommendation of the English Department
- English I Honors 2 OR B+ average in English I College Prep 1

- Writing proficiency above grade level

### English II College Prep 1 1.0 credit

A survey course in American literature from Native American times to the present, English II aims to promote an appreciation of our country's literature through lecture, independent study, reinforcement, and the use of study guides, cooperative learning, and oral presentations. The Shakespearean play Julius Caesar is also studied. The course aims to refine research and writing skills and to strengthen the students' skills in vocabulary and English usage.

### English II College Prep 2 1.0 credit

This survey course seeks to promote an understanding of American literature from Colonial times to the present through informal lecture, reading both inside and outside the classroom, reinforcement, and practice. In addition, the Shakespearean play Julius Caesar is studied. The course aims to refine research and writing skills and to strengthen the students' skills in vocabulary and English usage.

## Juniors

### English III Honors 1 1.0 credit

This course presents a general survey of English literature from the first known writings of the Anglo-Saxon period to the twentieth century. The course traces the development of the English language, literature, and theater in relation to cultural theory. The text is supplemented by an in-depth study of several novels chosen for the challenge they present. The course also involves a study of vocabulary in preparation for the SAT. The course aims to refine research and writing skills and to strengthen the students' skills in vocabulary and English usage.

#### Prerequisites:

- Recommendation of the English Department
- English II Honors 1 OR B+ average in English II Honors 2
- Excellent writing skills

### English III Honors 2 1.0 credit

In this course, an appreciation of our English heritage is fostered through a general survey of English literature from the Anglo-Saxon period to the twentieth century. The course also traces the development of the English language, literature, and theater in relation to English civilization. Novels written by English and Irish authors supplement the text. Included in this course is a study of vocabulary in preparation for the SAT. The course aims to refine research and writing skills and to strengthen the students' skills in vocabulary and English usage.

#### Prerequisites:

- Recommendation of the English Department

- English II Honors 2 OR B+ average in English II College Prep 1
- Writing proficiency above grade level

### English III College Prep 1 1.0 credit

This course presents a general survey of English literature from the first known writings of the Anglo-Saxon period to the twentieth century. The course traces the development of the English language, literature, and theater in relation to English civilization, guiding the student to an understanding of our literary heritage. The text is supplemented by several novels. The course also involves a study of vocabulary in preparation for the SAT. The course aims to refine research and writing skills and to strengthen the students' skills in vocabulary and English usage. Public speaking skills are developed through varied oral presentations.

## Seniors

### **AP English: Literature and Composition** **AP** **1.0 credit**

In Advanced Placement English, the students are engaged in the critical reading and analysis of literature. They study challenging works of literary merit, including novels, essays, short stories, and poetry. Examined in each work are its literary techniques, language, characters, structure, themes, and its relationship to contemporary experience as well as to the times in which it was written. Students who enroll in the Advanced Placement course should be highly motivated and capable of doing college-level work. All students are required to take the AP exam in the spring.

#### **Prerequisites:**

- Recommendation of the English Department
- B+ average in English III Honors 1
- Excellent writing skills

### **English IV** **Honors 1** **1.0 credit**

This course promotes a comprehensive study of the themes of identity and diversity in literature. Students read and interpret challenging literary works from all four genres while exploring five different themes. The course aims to refine research and writing skills and to strengthen the students' skills in vocabulary and English usage.

#### **Prerequisites:**

- Recommendation of the English Department
- English III Honors 1 OR B+ average in English III Honors 2
- Excellent writing skills

### **English IV** **Honors 2** **1.0 credit**

This course, which is a study of the theme of identity in literature, promotes critical thinking and improves the student's writing skills. Proficiency in Standard English usage is assumed. The course aims to refine research and writing skills and to strengthen the students' skills in vocabulary and English usage.

#### **Prerequisites:**

- Recommendation of the English Department
- English III Honors 2 OR B+ average in English III College Prep 1
- Writing proficiency above grade level

### **English IV** **College Prep 1** **1.0 credit**

This course is designed to introduce students to the search for identity and its use as a theme in literature through lecture, independent study, cooperative learning, oral presentations, and study guides. An in-depth study of poetry is an essential component of the course, which also acquaints students with Greek mythology, civilization, and the origins of western drama. Finally, it aims to refine research and writing skills, and to strengthen the students' skills in vocabulary and English usage.

### **Literature and Cinema** **Honors 1** **1.0 credit**

This full-year, honors-level elective will analyze selected literary works and their movie counterparts. Students will be asked to read a selection of literary works while focusing on the themes of identity and hero. After a thorough discussion and analysis of the text, students will view the movie version of the literary work and make a comprehensive comparison of the two

mediums. Students will be asked to analyze each work independently and will be expected to develop their critical thinking skills in order to examine the similarities and differences in the presentations of the major themes. Throughout the course an appreciation of transcendent literary themes will be fostered.

Literary works may include:

Taming of the Shrew

A Street Car Named Desire

How the Grinch Stole Christmas

Short Stories by Stephen King

**Prerequisites:**

- Recommendation of the English Department
- B average in English III Honors 1 OR B+ average in English III Honors 2

**FINE ARTS DEPARTMENT**

**Visual Arts Electives**

**Studio Art I  
College Prep 1  
1.0 credit**

This course is for students who are seriously interested in art and for students who might be interested in pursuing art in college. It demands a more sophisticated use of techniques and media than demonstrated in the Freshmen Art program, as well as a greater level of creativity, commitment, and initiative on the part of the student. Students will complete two- and three- dimensional design and sculpture assignments, in addition to painting and drawing projects. All projects are designed to contribute to the student's artistic development and are appropriate for a college portfolio. Enrollment is limited.

**Prerequisite:**

- Successful completion of the Art Exploration course or a serious interest in the visual arts

**Studio Art II  
College Prep 1  
1.0 credit**

This course is designed for advanced level art students who have completed Studio Art I and wish to continue their artistic development and to work on portfolio creation. As students continue to develop their talents, a greater level of initiative, creative problem solving, and independent work is required. Enrollment is limited.

**Prerequisites:**

- Recommendation of the Fine Arts Department
- B+ average in Studio Art I

**Digital Art  
College Prep 1  
0.5 credit**

This course will focus on the integration of digital media with traditional art making processes (printmaking, drawing, etc.). Students will gain an appreciation for the computer as a design tool and learn how to combine images created in classic media with those crafted via Photoshop. Group critiques, methods & materials, written reflections, and thematic assignments will culminate in the creation of two portfolios – one textual and one digital encompassing the full scope of the assignments presented. This course is open to juniors and seniors and provides preparation for the Advanced Placement Studio Art class. Enrollment is limited.

**Prerequisite:**

- B+ average in Studio Art I and Studio Art II

**Honors Studio Art  
Honors 2  
0.5 credit**

This course will explore several different art-making genres (printmaking, drawing, sculpture, collage, book arts, etc.). Students will maintain a journal/sketchbook cataloguing direct observations from daily life. Group critiques and historical research will be a standard component of this course. The students will also create a digital portfolio archiving their images. This course provides preparation for the Advanced Placement Studio Art class. Enrollment is limited.

**Prerequisites:**

- B+ average in Studio Art II
- Junior or Senior status

**AP Studio Art  
AP  
1.0 credit**

This course is designed to enable highly motivated students to do college-level art work. The program requires a significant

commitment of time and effort, and is, therefore, recommended only for students who intend to seriously study art in the future. All students taking this class must take the AP Exam offered in May, which consists of a digital portfolio of 24-29 college level art works. The three sections of the portfolio are: Quality – the development of a sense of excellence in art; Concentration – a commitment in depth to a particular artistic concern; and Breadth – a variety of experiences in the formal, technical and expressive means available to an artist. Students may opt to work on the Drawing or 2-Dimensional Design Portfolio.

**Prerequisites:**

- Recommendation of the Fine Arts Department
- Submission of a letter of intent signed by student and parent/guardian
- B+ average throughout two to three full-year courses
- Completion of a Fine Arts assignment

**Music Electives**

**Concert Choir  
College Prep 1 & Honors 1  
1.0 credit**

Concert Choir is a mixed SATB (Soprano, Alto, Tenor, and Bass) performing ensemble dedicated to the preparation and performance of quality choral literature from a variety of periods and styles. The emphasis throughout the year will be on developing individual and ensemble singing skills, musicianship and technique. In addition, fundamentals of music theory—musical terms, score reading, and sight-singing— will be studied. Required performances include a Christmas and Spring Concert, various school and community celebrations, and Masses. Commitment to extracurricular events and

performances is a mandatory requirement for enrollment in this course.

NOTE: Juniors or seniors who have participated in choir for two (2) consecutive years with a cumulative 3.5 average are eligible for Honors 1 credit.

**Concert Band  
College Prep 1  
1.0 credit**

Concert Band is a traditional instrumental ensemble dedicated to the preparation and performance of quality band literature from a variety of periods and styles. The emphasis throughout the year will be on developing individual and ensemble playing skills, musicianship, and technique. In addition, fundamentals of music theory-- including musical terms, score reading and sight-reading-- will be studied. Active class participation and attendance at all rehearsals and performances is required. Any student who needs to borrow an instrument should see the Music Director. Percussion equipment (excluding sticks) is provided by the school.

**Prerequisite:**

- Ability to play a wind or percussion instrument and read music

NOTE: Guitar and keyboard players must obtain approval from the Music Director before enrolling in Concert Band.

Juniors or seniors who have participated in Concert Band for two (2) consecutive years and have a cumulative 3.5 average are eligible for Honors 1 credit.

**AP Music Theory  
AP  
1.0 credit**

This course is a non-performance based class that involves intensive study of the fundamentals of music. Music theory will

give the student the knowledge and skills necessary to interpret and analyze a musical score as well as the skills necessary to begin composition. This course utilizes a college-level text and requires out-of-class study and practice. Students will be required to take the AP exam in May.

**Prerequisites:**

- Recommendation of the Fine Arts Department
- Ability to read music and identify basic music notation symbols
- Successful completion of a basic pre-test

## MATHEMATICS DEPARTMENT

### Guidelines for Parents and Students

All students are required to successfully complete three credits of mathematics. Every student is required to have a graphing calculator. Instruction will be given for the family of TI-84 calculators.

### Freshmen

#### Algebra II Honors 1 1.0 credit

This Algebra II course, designed for freshmen, is intended for those mathematically gifted students who would be capable of majoring in a math-related field. It is highly technical and rigorous. The course concentrates on polynomials, the concept of function and rational expressions.

#### Prerequisites:

- Evidence of high success in eighth grade Algebra I
- Outstanding scores on the placement exam, or demonstrated ability on a required qualifying exam

#### Algebra I Honors 2 1.0 credit

This advanced math course is designed for those who took Algebra I in grade 8, have not qualified for Algebra II Honors 1, yet show evidence of considerable math ability. It is also designed for those students that did not have the opportunity to take Algebra I in the eighth grade but did extremely well on the placement exam. This course deals with the subject matter at its more abstract level. All topics proper to Algebra I and some Algebra II topics are covered.

#### Algebra I College Prep 1 1.0 credit

This course treats all topics proper to a college preparatory Algebra I course. Emphasis is placed on equation solving and fundamental algebraic manipulations with integers, real numbers, and polynomials. Linear functions are studied extensively.

#### Algebra I College Prep 2 1.0 credit

This Algebra I course focuses on fundamental skills and concepts. Emphasis is placed on manipulation, computation and rule. It is intended to solidify fundamental preparation for freshmen and to prepare them to be successful in more advanced applications.

### Sophomores

#### Geometry Honors 1 1.0 credit

This Geometry course presumes solid algebra skills and outstanding mathematical ability. Emphasis is placed on development of reasoning skills. Both deductive and inductive proofs are covered and students will be expected to write original proofs of both kinds. All computational aspects of geometry are covered thoroughly. Solid geometry, coordinate geometry, and some mathematical logic are also studied. Real life and hands-on applications are stressed.

#### Prerequisites:

- Recommendation of the Math Department
- Algebra II Honors 1 OR B+ average in Algebra I Honors 2

**Geometry  
Honors 2  
1.0 credit**

In this Geometry course emphasis is placed on development of reasoning through writing original proofs. All computational aspects of Euclidean geometry are thoroughly treated. This course is designed for students who demonstrate the skill and desire to pursue advanced mathematical applications.

**Prerequisites:**

- Recommendation of the Math Department
- Algebra I Honors 2 OR B+ average in Algebra I College Prep 1

**Geometry  
College Prep 1  
1.0 credit**

This Geometry course gives the on grade level student a solid preparation for continued courses in math. While numerical problems are stressed more than proof, students are exposed to both throughout the year. Development of logical thinking is an important goal of the course, coupled with accurate diagram analysis and solution.

**Prerequisites:**

- Recommendation of the Math Department
- Algebra I College Prep 1 OR B+ average in Algebra I College Prep 2

**Geometry  
College Prep 2  
1.0 credit**

This Geometry course is designed to provide students with a concrete approach to learning math with an understanding of the fundamentals of geometry. Proofs are examined for their systematic logical reasoning. Original proofs are not required. Emphasis is placed on measurement and relationships.

**Juniors**

**Analysis  
Honors 1  
1.0 credit**

This honors level course, designed for juniors, stresses abstract thinking and application of knowledge to unique problem-solving situations. The course is an in-depth study of all types of functions, trigonometry, and conics. In addition an introduction to calculus, limits, derivatives and integrals will be incorporated.

**Prerequisites:**

- Recommendation of the Math Department
- B- average in Algebra II Honors 1 and Geometry Honors 1

**Algebra & Trig  
Honors 2  
1.0 credit**

This technology-based course assumes the content of Algebra I Honors 2 has been mastered. This course completes the Algebra II curriculum and covers selected pre-calculus topics. It is expected that those who choose this course be thoroughly skilled and motivated math students capable of working independently.

**Prerequisites:**

- Recommendation of the Math Department
- B average in Algebra I Honors 2 and Geometry Honors 2

**Algebra II  
College Prep 1  
1.0 credit**

This course gives the on grade level student the tools required to be successful in the applied, pure and behavioral sciences. This calculator-based course focuses on the study of quadratics extensively along with the study of matrices, statistics, probability, and various other functions. This course is

required for general admission to most colleges.

**Calculus  
Honors 1  
1.0 credit**

**Prerequisites:**

- Recommendation of the Math Department
- C- average in Algebra I College Prep 1 and Geometry College Prep 1

This course is designed to introduce students to the fundamental concepts of a calculus curriculum. Emphasis is placed on the development of writing complete solutions with proper use of notation.

**Prerequisites:**

- Recommendation of the Math Department
- Algebra & Trig Honors 2

**Algebra II Part 1  
College Prep 2  
1.0 credit**

This course is intended to strengthen the Algebra and Geometry skills for those students intending to go on to college. In addition to a review of the essentials of both previous courses, the course will cover topics necessary for Algebra II, for SAT's, and for some required college freshman math courses. Students will study computational trigonometry in this course and will cover the remaining Algebra II topics in their senior year.

**Analysis  
Honors 2  
1.0 credit**

This course provides a background that will help students who might want to continue with math at the college level. Major areas studied include functions, graphing techniques, trigonometry, analytic geometry, and logarithms.

NOTE: This course is not open to students who have already received credit for passing Algebra and Trig Honors 2.

**Seniors**

**AP Calculus  
AB Level  
1.0 credit**

This course will follow the curriculum suggested for the AB level of the Advanced Placement Exam in Mathematics. It is more technically rigorous than Calculus and treats some extra topics selected from the BC level. The TI-84 graphing calculator is required for everyday use in the course. All students are required to take the AP exam in the spring.

**Prerequisites:**

- Recommendation of the Math Department
- B+ average in Algebra II College Prep 1

**Analysis  
College Prep 1  
1.0 credit**

This course introduces students to the concepts of analytic geometry. Plane trigonometry, logarithms, the exponential function and sequences are covered thoroughly in this course.

**Prerequisites:**

- Recommendation of the Math Department
- B+ average in Analysis Honors 1

**Algebra II Part 2**  
**College Prep 2**  
**1.0 credit**

In conjunction with Algebra II Part I, this course completes the algebra requirement for admission to most colleges. In addition to covering quadratic functions thoroughly, the student will study rational functions and radicals. Calculators will be used extensively.

**Accounting**  
**College Prep 1**  
**1.0 credit**

This elective course is an introduction to accounting concepts and principles. It is designed for students who are interested in pursuing a degree in business. Students will learn the accounting cycle through trial balance, adjustments, and financial reports.

## RELIGION DEPARTMENT

## Juniors

### Guidelines for Parents and Students

All students are required to successfully complete four credits of religion. The curriculum follows the guidelines of the United States Conference of Catholic Bishops.

### Freshmen

**Religion I**  
**God's Revelation in the World,**  
**in Scripture, and in the Person of**  
**Jesus**  
**College Prep 1**  
**1.0 credit**

This course offers the students a deeper understanding of Sacred Scripture, the living Word of God. Students will learn about the Bible, its origin through Divine Inspiration, and its interpretation.

### Sophomores

**Religion II**  
**The Continuation of Jesus' Mission**  
**in the Church and the Sacraments**  
**College Prep 1**  
**1.0 credit**

In this course, students will learn about the sacred nature of the Church. The students will come to know that the Church is the living body of Christ today with both divine and human elements. Students will learn that they share in the promise of redemption only in and through Jesus Christ, through the Holy Spirit. Students will also learn what it means to be a disciple of Christ.

**Religion III**  
**Life in Christ in Living Morality**  
**and Social Justice**  
**College Prep 1**  
**1.0 credit**

This course provides students with the opportunity to realize our life in Christ. Students will discern and discuss God's revelation of free choice. This concept of free choice allows each of us to uncover the offenses against the Ten Commandments and the call to truly live the Gospel message. Students learn about conscience formation, the reality of sin and its effects, and the ability to choose a life in Christ. These principles will be applied to Catholic Social Teaching.

## Seniors

**Religion IV**  
**Living as a Disciple of Jesus Christ**  
**in Society**  
**College Prep 1**  
**1.0 credit**

This course will introduce students to the Church's social teaching mission while providing them with a service experience based on Christ's concern for others, especially the poor and vulnerable. The example of Jesus Christ, Sacred Scripture, the Catechism of the Catholic Church, and most specifically the Catholic Church's Social Teaching, will serve as the basis and ongoing reference throughout the year. In addition, the classroom component will link faith to action by providing an appropriate forum for further reflection and integration of the service experience.

**Religion IV**  
**Bioethics**  
**College Prep 1**  
**1.0 credit**

This course examines the moral and theological teachings of the Roman Catholic Church as they apply to biological and medical ethics. Topics include reproductive biology and technologies, fertility control, and end-of-life issues, including physician-assisted suicide, euthanasia and capital punishment. Quality participation necessitates that the student not only complete the assigned readings, but also exhibit a firm understanding of the teachings of the Catholic Church regarding the issues examined.

## SCIENCE & TECHNOLOGY DEPARTMENT

### Guidelines for Parents and Students

All students are required to successfully complete three credits of science.

### Freshmen

#### **Biology Honors 1 1.0 credit**

This course provides students with the conceptual framework, factual knowledge and analytical skills necessary to deal critically with the rapidly changing science of biology. Students will explore basic biochemistry, cell biology, cell energetics, as well as principles of genetics, inheritance, and evolution. Biological principles are applied to the human body with an emphasis on contemporary health issues such as human sexuality, reproduction, eating disorders, and substance abuse.

#### **Prerequisites:**

- Outstanding scores on placement test
- Elementary/middle school grades indicating excellence; evidence of good effort and motivation

#### **Biology I College Prep 1 1.0 credit**

This course provides an in-depth study of the human body emphasizing the structure and function of individual organ systems as well as contemporary health issues such as human sexuality and reproduction, eating disorders, and substance abuse. In this course students will develop a comprehensive understanding of human biology as it relates to health issues. Students will strengthen decision-making skills and learn about safety issues affecting themselves and members of their community.

### Sophomores

#### **Chemistry Honors 1 1.0 credit**

In this intensive course students will learn the fundamental principles of chemistry. The following topics will be covered: atomic structure, periodicity, chemical bonding, stoichiometry, chemical nomenclature, gases, thermo-chemistry, and properties of solutions.

#### **Prerequisites:**

- Recommendation of the Science Department
- Biology Honors and B- average in freshman Algebra
- Recommendation of the Math Department

#### **Biology II College Prep 1 1.0 credit**

This course provides students with a foundation in the study of biology. Topics will include cell structure, photosynthesis, respiration, protein synthesis, cell division, genetics, reproduction, adaptation, evolution, ecology, and some organismal biology.

### Juniors

#### **Pre-AP Physics Honors 1 1.0 credit**

This course encourages creativity and ability to do independent work. The physics will motivate the mathematics and the mathematics will enrich the physics. Microcomputer-based laboratory equipment will be used extensively to collect and analyze data. A graphing

calculator and other software will be used throughout the course.

**Prerequisites:**

- Recommendation of the Science Department
- Completion of Chemistry Honors 1

**Chemistry  
Honors 1  
1.0 credit**

In this intensive course students will learn the fundamental principles of chemistry. The following topics will be covered: atomic structure, periodicity, chemical bonding, stoichiometry, chemical nomenclature, gases, thermo-chemistry, and properties of solutions.

**Prerequisites:**

- Recommendation of the Science Department
- B+ average in Biology II College Prep 1 and freshman Algebra

**Chemistry  
College Prep 1  
1.0 credit**

This course provides students with an overview of the fundamental principles of chemistry. Topics covered include atomic structure, periodicity, chemical bonding, stoichiometry, chemical nomenclature, gases, thermo-chemistry, and properties of solutions.

**Seniors**

This course provides an intensive study of the major themes of biology. All students will take the AP Biology test in May, which may qualify them for college credit

**AP Biology  
AP  
1.0 credit**

This course provides an intensive study of the major themes of biology. All students

will take the AP Biology test in May, which may qualify them for college credit. The year begins with a heavy emphasis on basic biochemistry and organic chemistry; therefore, mastery of basic concepts of chemistry is a necessary prerequisite. Topics will include cell biology, mitosis, meiosis, genetics, evolution, biodiversity, and ecology.

**Prerequisites:**

- Recommendation of the Science Department
- B average in Biology Honors 1 or B+ average in Biology II College Prep 1
- B average in Chemistry Honors 1 or B+ average in Chemistry College Prep 1

**AP Physics  
AP  
1.0 credit**

This is a calculus-based course in mechanics which also includes hands-on application projects that support the laws of physics. All students will take the AP Level C exam in Mechanics.

**Prerequisites:**

- Recommendation of the Science Department
- B average in Pre-AP Physics

**Physics  
Honors 1  
1.0 credit**

This course provides an in-depth study of topics in classical and modern physics with an emphasis on problem solving. Computers are used in lab investigations to collect and analyze data.

**Prerequisites:**

- Recommendation of the Science Department
- B- average in Algebra & Trig Honors 1

**Physics  
College Prep 1  
1.0 credit**

This course is a non-calculus-based survey of topics in classical physics. While problem solving is stressed, emphasis is placed on understanding of concepts. Computers are used in lab investigations to collect and analyze data.

**AP Chemistry  
AP  
1.0 credit**

This course provides an intensive study of the major themes of chemistry. All students will take the AP Chemistry test in May, which may qualify them for college credit.

**Prerequisites:**

- Recommendation of the Science Department
- B average in Chemistry Honors 1 or B+ average in Chemistry CP1

**Anatomy and Physiology  
Honors 1  
1.0 credit**

This course provides an in-depth look at the structure, function, and clinical applications of disease on body systems. Disease etiology, prevention, and treatments will also be discussed. Comparative anatomy will be explored through dissection of various specimens. Students will be required to do a significant amount of independent reading and research.

**Prerequisites:**

- Recommendation of the Science Department
- B average in Biology Honors 1 and Chemistry Honors 1

**Anatomy and Physiology  
College Prep 1  
1.0 credit**

This course provides an in-depth study of the structure and function of the human body. Each system of the body will be examined, with a clinical emphasis on major organs and their functions. The effect of disease on body systems is also discussed. This class is designed to provide an experiential learning situation for students and includes a lab component involving dissection.

**Introduction to Forensic Science  
Honors 1  
1.0 credit**

This course will provide students with an in-depth overview of what forensic science involves, along with a detailed description of the different laboratory techniques that are often used in the solving of a crime. Emphasis will be given to the chemical and biological techniques used and how these evolved throughout history. Students should have a strong background in math and science.

**Prerequisite:**

- Recommendation of the Science Department
- B average in Biology Honors 1 and Chemistry Honors 1

**Introduction to Forensic Science  
College Prep 1  
1.0 credit**

This course will provide students with an accurate picture of what forensic science involves, along with a detailed description of the different laboratory techniques that are often used in the solving of a crime. Emphasis will be given to the chemical and biological techniques used and how these evolved throughout history.

## Technology Electives

### Guidelines for Parents and Students

Technology Education electives introduce students to the possible uses of technology and its impact on society. All electives are offered as online courses and are completely self-directed.

Students will be required to have their own laptops in order to work on course assignments throughout the school day. All software for these courses is free and can be downloaded directly from the Internet. Enrollment is limited.

### **2D Game Design** **College Prep 1** **0.5 Credit**

In this course, students will be introduced to the concept of 2D game design and the process required to design and create a game. Students will first learn how to determine the elements needed within a game as described in its summary. They will then map out how these elements should move and interact within the actual game. Once this is completed, students will then build and program their own video games using the Game Maker software.

### **3D Modeling** **College Prep 1** **0.5 Credit**

Students will be introduced to the concepts involved in creating 3D models and then learn how to design them within the software packages available for 3D graphics, which include Blender, Bryce, DAZ Studio and Google SketchUp. Students will then have the opportunity to create their own basic video games using the techniques and skills they learned throughout the course.

### **Introduction to Computer Programming** **Honors 1** **1 Credit**

This course will introduce the students to the concept of computer programming and the process that is required to create a program. Standard programming methods and data structures will be covered, along with the problem-solving skills necessary to design and code solutions to programming projects. An in-depth overview will be given into the C++ programming language, which will then allow the students the opportunity to design their own programs.

#### **Prerequisites:**

- Junior/Senior status
- B+ average in math

## **SOCIAL STUDIES DEPARTMENT**

### **World History College Prep 2 1.0 credit**

#### **Guidelines for Parents and Students:**

All students are required to successfully complete three credits of social studies including two years of U.S. History.

#### **Freshmen**

### **World History Honors 1 1.0 credit**

This course provides an in-depth examination of the political, economic, and social development of civilizations from Ancient Greece to Colonial America. Particular emphasis will be placed on the Greek and Roman Civilizations as well as a detailed study of the Middle Ages, the Renaissance, and the Reformation. The course also includes a study of Indian, Chinese, and Muslim cultures. In addition, students will complete an independent project on the current conflict in the Middle East.

#### **Prerequisites:**

- Outstanding scores on placement test
- Elementary/middle school grades indicating excellence; evidence of good effort and motivation

### **World History College Prep 1 1.0 credit**

This course examines the political, economic, and social development of civilizations from Ancient Greece to Colonial America. Particular emphasis will be placed on the Greek and Roman Civilizations as well as a detailed study of the Middle Ages, the Renaissance, and the Reformation. The course also includes a brief study of Indian, Chinese, and Muslim cultures.

This course is a survey of civilizations from Ancient Greece to Colonial America.

Particular emphasis will be placed on the Greek and Roman Civilizations as well as a detailed study of the Middle Ages, the Renaissance, and the Reformation. The course also includes a brief study of Indian, Chinese, and Muslim cultures.

#### **Sophomores**

### **U.S. History I Honors 1 1.0 credit**

This course provides an in-depth examination of the political, economic, social, and cultural development of American history from the Revolutionary period to the Gilded Age. A significant amount of time will be devoted to the study of the Constitution.

#### **Prerequisites:**

- Recommendation of the Social Studies Department
- World History Honors 1 or B+ average in World History College Prep 1

### **U.S. History I Honors 2 1.0 credit**

This course examines the political, economic, and social development of American history from the pre-Columbian era to Reconstruction. A significant amount of time will be devoted to the study of the Constitution.

#### **Prerequisites:**

- Recommendation of the Social Studies Department
- B+ average in World History College Prep 1

**U.S. History I  
College Prep 1  
1.0 credit**

This course examines the political, economic, social, and cultural development of American history from the Revolutionary period to the Gilded Age. A significant amount of time will be devoted to the study of the Constitution.

**Juniors**

**AP U.S. History  
AP  
1.0 credit**

This highly intensive course is designed to prepare students for the Advanced Placement Test in U.S. History. All students who take this course must take the AP Exam in May. Through the use of primary and secondary sources, students examine the political, economic, and social development of the United States.

**Prerequisites:**

- Recommendation of the Social Studies Department
- B+ average in U.S. History II Honors 1

**U.S. History II  
Honors 2  
1.0 credit**

This course examines the political, economic, social, and cultural development of American history from the Reconstruction to the present day. Emphasis is placed on the effects of war and economic crises, along with their impact on domestic and international policy and decision-making.

**Prerequisites:**

- Recommendation of the Social Studies Department
- U.S. History I Honors 2 or B+ average in U.S. History I College Prep 1

**U.S. History II  
College Prep 1  
1.0 credit**

This course examines the political, economic, social, and cultural development of American history from the Gilded Age to the present day. Emphasis is placed on the effects of war and economic crises, along with their impact on domestic and international policy and decision-making.

**Seniors**

**AP U.S. History  
AP  
1.0 credit**

This highly intensive course is designed to prepare students for the Advanced Placement Test in U.S. History. All students who take this course must take the AP Exam in May. Through the use of primary and secondary sources, students examine the political, economic, and social development of the United States.

**Prerequisites:**

- Recommendation of the Social Studies Department
- B+ average in U.S. History II Honors 1

**AP Psychology  
AP  
1.0 credit**

The Advanced Placement Psychology course is a rigorous college-level course designed to introduce highly motivated students to the systematic and scientific study of the origins of behavior and mental processes in both humans and animals. Students are exposed to the psychological views, principles and phenomena associated with each of the major subfields within psychology. Students are expected to take the AP Exam in May.

**Prerequisites:**

- Recommendation of the Social Studies Department
- B+ average in U.S. History II Honors 1
- AP Psychology reading and writing sample submitted upon registration for the course

**Psychology  
College Prep 1  
1.0 credit**

This introductory course is designed to give students a brief overview of the field of psychology and an understanding of the common applications of psychology in everyday life. In addition, students can expect to learn about the causes of human and animal behavior.

**Sociology  
College Prep 1  
1.0 credit**

This is an introductory course designed to give students a brief overview of the field of sociology. Students can expect to learn about how social groups form, how they function, and the causes for the malfunctioning of social groups.

**Street Law  
College Prep 1  
0.5 credit**

In this introductory course students will be introduced to the foundation of our legal system, the constitutional rights of the individual, and the legal process. Emphasis will be placed on society's responsibility to understand the American judicial system through practical classroom activities.

**Principles of Economics  
Honors 1  
0.5 credit**

In this course, which will focus on microeconomic theories and applications, students will become familiar with various aspects of the economy through analysis and problem-solving.

**21st Century World  
College Prep 1  
0.5 credit**

This course provides an in-depth look at the issues of the late 20<sup>th</sup> and 21<sup>st</sup> centuries and the events that shaped them. Emphasis will be placed on the relationships of Africa and East Asia to our world today. Social, economic, political and religious relationships will be examined, along with their effects on the people and countries of this time period.

**WORLD LANGUAGES  
DEPARTMENT**

**Guidelines for Parents and Students**

All students must take three years of the same language in order to graduate from Coyle and Cassidy High School. However, students are strongly encouraged to seriously consider four years of language study.

**Chinese**

**Chinese I  
College Prep 1  
1.0 credit**

This course introduces the student to the rudiments of the Mandarin Chinese language. The acquisition of the basic grammar and vocabulary necessary to speak, to read, to write, and to understand the spoken word form the core of the first year of this program. Students gain an awareness of Chinese culture and history through a variety of multi-media sources.

**Chinese II  
College Prep 1  
1.0 credit**

This course is based on a review and summary of grammatical concepts,

structures, and cultural information studied in Chinese I. Students will continue to expand vocabulary and further enhance cultural understanding. Emphasis will be on developing proficiency in reading, listening, writing, and speaking. Short literary readings in the target language will be introduced to help students refine their knowledge and command of Chinese culture and language skills.

## **French**

### **French I Honors 1 1.0 credit**

In this course the skills of reading, writing, listening, and speaking French are developed, with the goal of using the target language in real-life situations. Emphasis is placed on fundamental grammatical concepts and frequently used vocabulary. Students will also be exposed to the French-speaking world through cultural units and readings.

#### **Prerequisites:**

- Outstanding scores on placement test
- Elementary/middle school grades indicating excellence; evidence of good effort and motivation

### **French I College Prep 1 1.0 credit**

This is an introductory course that requires no previous knowledge of French. Throughout the year fundamental grammatical concepts are introduced, and the four skills of reading, writing, listening, and speaking are developed. Students will also be exposed to the French-speaking world through cultural units and readings.

### **French II Honors 1**

**1.0 credit**

This course presents a rapid and comprehensive review of all of the grammatical concepts and structures studied in French I. New grammatical concepts and structures are presented along with vocabulary that is geared to real-life situations. Independent research and readings in French culture and literature serve to deepen the student's understanding of the French-speaking world.

#### **Prerequisites:**

- Recommendation of the World Language Department
- French I Honors 1
- For incoming Freshmen, a full year of French in middle school and demonstrated proficiency on the required qualifying exam

### **French II College Prep 1 1.0 credit**

This course, which presents a review of all of the grammatical concepts and structures studied in French I, emphasizes proficiency in reading, listening, writing, and speaking. Cultural and literary readings about the French-speaking world will give students the opportunity to expand their knowledge and command of French.

### **French III Honors 1 1.0 credit**

This course places an emphasis on refining language skills. The learning environment is enhanced by the extensive use of the target language in the classroom setting. In this course, students will learn to present information, concepts, and ideas to an audience of listeners or readers on a variety of topics.

#### **Prerequisites:**

- Recommendation of the World Language Department
- French II Honors 1

**French III  
College Prep 1  
1.0 credit**

This course presents a rapid and comprehensive review of the material studied in French II. At this level, the primary focus is the extensive use of all four language skills in a number of varied settings, with the goal of achieving proficiency. Cultural and literary knowledge of the French speaking world is expanded through readings within the text as well as from primary sources.

**French IV  
Honors 1  
1.0 credit**

This course is for the serious student who wishes to continue studying the French language. Emphasis is placed on speaking, using, and manipulating the language in a number of varied settings. Class is conducted in French, and students are expected to speak the language with sufficient structural accuracy and vocabulary to participate effectively.

**Prerequisites:**

- Recommendation of the World Language Department
- B+ average in French III Honors 1

**Portuguese**

**Portuguese I  
Honors 1  
1.0 credit**

In this course the skills of reading, writing, listening, and speaking Portuguese are developed, with the goal of using the target language in real-life situations. Emphasis is placed on fundamental grammatical concepts and frequently used vocabulary. Students will also be exposed to the

Portuguese-speaking world through cultural units and readings.

**Prerequisites:**

- Outstanding scores on placement test
- Elementary/middle school grades indicating excellence; evidence of good effort and motivation

**Portuguese I  
College Prep 1  
1.0 credit**

This is an introductory course that requires no previous knowledge of Portuguese. Throughout the year fundamental grammatical concepts are introduced, and the four skills of reading, writing, listening, and speaking are developed. Students will also be exposed to the Portuguese-speaking world through cultural units and readings.

**Portuguese II  
Honors 1  
1.0 credit**

This course presents a rapid and comprehensive review of all of the grammatical concepts and structures studied in Portuguese I. New grammatical concepts and structures are presented, along with vocabulary that is geared to real-life situations. Independent research and readings in Portuguese culture and literature will be included.

**Prerequisites:**

- Recommendation of the World Language Department
- Portuguese I Honors 1
- For incoming Freshmen, a full year of Portuguese in middle school and demonstrated proficiency on the required qualifying exam

**Portuguese II  
College Prep 1  
1.0 credit**

This course, which presents a review of all of the grammatical concepts and structures

studied in Portuguese I, emphasizes proficiency in reading, listening, writing, and speaking. Cultural and literary readings about the Portuguese-speaking world will give students the opportunity to expand their knowledge and command of Portuguese.

**Portuguese III  
Honors 1  
1.0 credit**

This course places an emphasis on refining language skills. The learning environment is enhanced by the extensive use of the target language in the classroom setting. In this course, students will learn to present information, concepts, and ideas to an audience of listeners or readers.

**Prerequisites:**

- Recommendation of the World Language Department
- Portuguese II Honors 1

**Portuguese III  
College Prep 1  
1.0 credit**

This course presents a rapid and comprehensive review of the material studied in Portuguese II. At this level, the primary focus is the extensive use of all four language skills in a number of varied settings, with the goal of achieving proficiency. Cultural and literary knowledge of the Portuguese speaking world is expanded through readings within the text as well as from primary sources.

**Portuguese IV  
Honors 1  
1.0 credit**

This course is for the serious student who wishes to continue studying the Portuguese language. Emphasis is placed on speaking, using, and manipulating the language in a number of varied settings. Class is conducted in Portuguese and students are expected to speak the language with

sufficient structural accuracy and vocabulary to participate effectively.

**Prerequisites:**

- Recommendation of the World Language Department
- B+ average in Portuguese III Honors 1

**Spanish**

**Spanish I  
Honors 1  
1.0 credit**

This course is designed for those students who have had a full year of Spanish in Grade 8, but do not qualify for Spanish II Honors 1. Fundamental grammatical concepts are reviewed throughout the course. Emphasis is placed on acquiring frequently used vocabulary that will enable the student to communicate at an intermediate level of competency. The skills of reading, writing, listening, and speaking are developed, with the goal of using the target language in real-life situations. Students will also be exposed to the Spanish-speaking world through cultural units and readings.

**Prerequisites:**

- Outstanding scores on placement test
- Elementary/middle school grades indicating excellence; evidence of good effort and motivation

**Spanish I  
College Prep 1  
1.0 credit**

This is an introductory course that requires no previous knowledge of Spanish. Throughout the year fundamental grammatical concepts are introduced, and the four skills of reading, writing, listening, and speaking are developed. Students will also be exposed to the Spanish-speaking world through cultural units and readings.

**Spanish II  
Honors 1  
1.0 credit**

This course presents a rapid and comprehensive review of all of the grammatical concepts and structures studied in Spanish I. New grammatical concepts and structures are presented, along with vocabulary that is geared to real-life situations. Independent research and readings in Spanish culture and literature will be included. Students enrolled in Spanish II Honors 1 are required to take Spanish III Honors 1 the following year.

**Prerequisites:**

- Recommendation of the World Language Department
- Spanish I Honors 1
- For incoming Freshmen, a full year of Spanish in middle school and demonstrated proficiency on the required qualifying exam

**Spanish II  
College Prep 1  
1.0 credit**

This course, which presents a review of all of the grammatical concepts and structures studied in Spanish I, emphasizes proficiency in reading, listening, writing, and speaking. Cultural and literary readings about the Spanish-speaking world will give students the opportunity to expand their knowledge and command of Spanish.

**Spanish III  
Honors 1  
1.0 credit**

This course places an emphasis on refining language skills. The learning environment is enhanced by the extensive use of the target language in the classroom setting. In this course, students will learn to present information, concepts, and ideas to an audience of listeners or readers.

**Prerequisites:**

- Recommendation of the World Language Department
- Spanish II Honors 1

**Spanish III  
College Prep 1  
1.0 credit**

This course presents a rapid and comprehensive review of the material studied in Spanish II. At this level, the primary focus is the extensive use of all four language skills in a number of varied settings, with the goal of achieving proficiency. Cultural and literary knowledge of the Spanish speaking world is expanded through readings within the text as well as from primary sources.

**Spanish IV  
Honors 1  
1.0 credit**

This course is for the serious student who wishes to continue studying the Spanish language. Emphasis is placed on speaking, using, and manipulating the language in a number of varied settings. Class is conducted in Spanish and students are expected to speak the language with sufficient structural accuracy and vocabulary to participate effectively.

**Prerequisites:**

- Recommendation of the World Language Department
- B+ average in Spanish III Honors 1

**AP Spanish  
AP  
1.0 credit**

This course focuses on mastering the skills of listening, speaking, reading, and writing through a number of different learning activities. Students enrolled in this course are required to take the AP Exam.

**Prerequisites:**

- Recommendation of the World Language Department

- B+ average in Spanish IV Honors 1

**Spanish Practicum  
Honors 2  
1.0 credit**

This course is offered to students who have completed their three-year language requirement and want to strengthen their Spanish language skills. It may also be useful to those students who wish to pursue language teaching as a career. Course objectives are achieved through teaching Spanish to elementary school students at St. Mary's School in Taunton as well as working with students in Spanish I.

**Prerequisites:**

- Recommendation of the World Language Department
- B average in Spanish III

**U.S. Hispanic Literature and Culture  
College Prep 1  
1.0 credit**

This course introduces students to the history and culture of Latinos in the United States through the study of selected literature, films, music, and art. Students will learn about Hispanic culture and will have the opportunity to demonstrate their knowledge both inside and outside the classroom.