

## **English I**

Through close reading and discussion of poetry, prose, and drama, this course focuses on mastering the central components of literature by analyzing character, plot, theme, conflict, point of view, and structure. Many literary terms and techniques are studied and applied to the literary selections. There is also an emphasis on Standard English verb tense forms, SAT vocabulary words, and Greek mythology. In addition to poems and short stories, longer reading selections include: *The Odyssey*, *Romeo and Juliet*, and *To Kill A Mockingbird*.

The textbook is *Literature: Timeless Voices, Timeless Themes – Gold Level. Prentice Hall. 2000.*

## **English II**

The focus of this class is to use critical thinking skills and MLA writing skills to analyze key elements of literature and reach a deeper understanding of the connection between each literary selection and its historical setting and cultural context. Contemporary themes are explored by means of comparing and contrasting classical selections of poetry, prose (fiction and non-fiction), and drama with modern issues. Longer units of study include: the Arthurian legend (including excerpts from “*Morte D’Arthur*” and *The Once and Future King*), ancient Greek drama (*Antigone*), and the modern novel (*Of Mice and Men*.)

The textbook is *Literature: Timeless Voices, Timeless Themes - Platinum Level. Prentice Hall. 2000.*

## **English III**

The goal of this course is to introduce students to American culture and history through literature. The major periods of American literature, such as Native American, Puritan, Romanticism, and Transcendentalism, are studied within their historical context. Students are encouraged to relate the material to their personal experiences as Americans by reading and analyzing selections. Writing assignments are assigned throughout the year in order to analyze and evaluate understanding.

Honors students are expected to complete extra outside of class readings and to write a literary analysis on each reading quarterly. They have several differentiated writing assignments throughout the year.

The textbook is EMC Publishing’s *Mirrors & Windows – American Edition. 2016.*

## **English IV**

The goals of this course are to introduce students to British literature and history. The periods of British literature and the evolution of the English language, such as Anglo-Saxon, Medieval, Enlightenment, and Romanticism, are studied within their historical context. Students are encouraged to relate material to today’s world. Selections of British literature include Beowulf, Chaucer, and Shakespeare to more contemporary works.

Honors students are expected to complete extra outside of class readings and to write a literary analysis on this reading quarterly. They have several differentiated writings throughout the year.

The textbook is EMC Publishing’s *Mirrors & Windows – British Edition. 2016.*

## **Algebra I**

This course introduces the language of algebra to students. A comprehensive study of the operations of graphs, functions and real numbers is the initial focus. Students progress to solving and analyzing linear equations and graphing relations and functions. Polynomials, linear inequalities, nonlinear functions, factoring, and the graphing and solving of quadratic and exponential functions are explored in later chapters.

The textbook is *Algebra 1* Glencoe. 2003.

## **Algebra II**

This course reviews and extends student knowledge of linear equations, quadratic formulas, polynomials, and rational functions and their graphs. Students explore exponential and logarithmic functions as well as trigonometric functions and identities. The course continues with a study of the operations of matrices and the properties of conic sections.

The textbook is *Algebra 2*. Glencoe. 2003.

## **Geometry CP**

This course introduces students to proofs, justification, postulates, theorems, and corollaries. Concepts covered in the course are: congruency, line segments, triangles, polygons, area/perimeter/surface area/volume, right triangle trigonometry, law of sines and cosines, similarity- ratios and proportions, and coordinate geometry.

The textbook is *Geometry- Integrations, Applications, Connections*. Glencoe. 2001

## **Geometry H**

This course introduces and expands on the concepts of proofs, justification, postulates, theorems, and corollaries. Concepts covered are congruency, line segments, triangles, polygons, area/perimeter/surface area/volume, right triangle trigonometry, law of sines and cosines, similarity-ratios and proportions, and coordinate geometry. This course covers the content areas in more detail than the CP level. Students need to show a level of mastery in previous math courses to take Honors.

The textbook is *Geometry- Concepts and Applications*. Glencoe. 2001

## **Precalculus/Algebra III H**

This course is divided into two semesters of study - Trigonometry and Advanced Math/function analysis. Trigonometry covers: the unit circle, calculations using trig functions and inverse functions, conversions: degrees to radians/radians to degrees, circular motion equations, trigonometric graphs and their transformations, identities, and right triangle trigonometry. Advanced Math covers an in depth study of functions, transformations, conic sections, exponential and logarithmic functions, laws of exponents and logarithms, and matrices (addition, multiplication, identity matrix).

The textbook is *Precalculus-A Graphing Approach*. Holt, Rinehart, and Winston. 2007.

## **Calculus H**

This course gives students a foundation for College Calculus. The concepts of limits - graphically and algebraically, derivatives: using Limit definition, using the rules, and applications, integrals-using rules, applications - area and volume, integration by substitution, integration by parts, integration of partial fractions, parametric functions, and integration by separation.

The textbook is *Calculus* D. C. Heath and Company. 1994.

### **World Geography**

Students learn how to interpret maps and landscape analysis to understand the use and alteration of the Earth's surface. The organization of geographic areas by continent, country, state, etc is identified and studied. Main topics include human population growth, cultural dimensions, economic activities, political organization, agricultural and rural land use, urbanization, regionalization, and globalization.

The textbook is *World Geography: Building a Global Perspective*. 2007

### **Government**

This is a semester course and studies US Government. There is an emphasis on the Constitution and its philosophy, the three branches of government and their functions, and the rights and responsibilities of US citizens. The Constitution, the Bill of Rights, and key Supreme Court cases are studied.

The textbook is *US Government - Democracy in Action*. Glencoe. 2010.

### **Economics**

This course incorporates components of economic philosophy and economic systems. Students will learn basic economic principles to include the operation of product and factor markets, the role of government in markets, and the workings of the financial sector. How our society functions financially will be studied. Relevant current events will be included in class discussion to emphasize real world topics in economics.

The textbook is *Economics – Today and Tomorrow*. Glencoe 2010.

### **US History**

This course examines the key issues in American history; politically, socially, and economically. Critical thinking, research, and discussion will be main avenues to awareness of our history and how it has shaped our country today. Topics will cover the founding to the post-Cold War United States.

The textbook is *United States History and Geography: Topics, Events, and Issues*. 2014

### **Physical Science**

This course teaches the principles of and the solutions to problems related to the physical sciences. The scientific method of observation and analysis is the foundation of this course. Energy, motion, the nature and interaction of matter, waves, light, sound, and the different kinds of substances are central topics in this course. Also included in this course is a study of the metric system, dimensional analysis, and basic lab techniques and safety. This course is a prerequisite for Chemistry.

The textbook is *Glencoe Physical Science* McLaughlin–Thompson–Zike. Edition 2012.

### **Physics**

This course will explore the principles of physics and students will be able to solve problems pertaining to scientific notation, dimensional analysis, mechanics, waves, sound, light, mirrors and lenses, electrostatics, magnetism and electricity, and circuitry. Classroom discussions, hands-on experiments and videos are used.

The textbook is *Glencoe Physics – Principles and Problems* – Glencoe/McGraw Hill. Edition 2002.

## **Biology I**

This course follows a molecular and cellular approach to biology. Genetics, taxonomy, microbiology, botany, and zoology are the main topics of this course. Lab opportunities in all areas are available.

The textbook is *Biology*. Prentice Hall 2006.

## **Biology II CP**

During the first semester, students will cover the basic principles of anatomy and physiology. The second semester will consist of the study of basic ecological and environmental concepts and current issues related to each. There are lab opportunities throughout the course.

The textbook is *Biology*. Prentice Hall 2006.

## **Biology II Honors**

This course is a deeper study in human anatomy and physiology. The human body systems are studied in detail with an emphasis on each major organ system in the body. How the body systems work together to provide homeostasis and how the body functions in healthy and diseased states are major topics in this course. Gross and histological anatomy is explored through dissections and investigations of physiological processes.

The textbook is *Essentials of Human Anatomy and Physiology*. 2003

## **Spanish I**

Students will study the beginning level vocabulary and grammatical structures on the Spanish language. Speaking, listening, reading, writing, and thinking are areas of emphasis. The course incorporates the culture, geography, and history of Spanish speaking countries in the curriculum. Students expand their knowledge through videos, recordings, periodicals, Internet, etc. No prerequisite is required for this course.

The textbook is *Paso A Paso I- Step by Step* by Prentice Hall. 2000.

## **Spanish II**

Students will expand their skills through the study of intermediate level grammatical structures and verb tenses. A broader vocabulary will be studied through a variety of resources. Students will continue to develop an appreciation of the language, culture, history and geography of Spanish speaking countries. Skills in the areas of speaking, listening, reading, thinking and writing will be developed. Successful completion of Spanish I is required.

The textbook is *Paso A Paso II- Step by Step* by Prentice Hall. 2000.

## **Spanish III Honors**

This course encourages greater comprehension, proficiency, and vocabulary acquisition. Students will strengthen the five language skills through the study of advanced grammatical structures, verb tenses, voices, and moods. Spanish II is a prerequisite for this course.

The textbook is *Paso A Paso III- Step by Step* by Prentice Hall. 2000.

*TPR (Total Physical Response) is incorporated at all levels as a means of actively involving each student in the teaching/learning process. Through the use of verbal commands accompanied by visual signs, each student is led by example through simple, repetitive instruction; listening to and following the instructor's commands. Through this process, vocabulary and grammar principles are learned in a very stress free environment.*

### **Computer I**

Students gain an understanding of basic computer and technology terms and experience using the applications that are the primary focus of this course. Students will become familiar with an internet based classroom forum, which will allow them to send material, communicate with class members, as well as prepare them for future online formatted courses. Google classroom is used to allow students to master Google Applications such as Docs, Sheets, Slides, and Forms.

### **Art I**

This course focuses on the main art theories and periods throughout civilization. Students learn to recognize famous paintings and styles of art. Drawing techniques, terminology, and materials are also introduced to the students. Students are required to attempt their own works through different mediums with an emphasis on attempting to follow the assigned rubric, not the quality of the work.

The textbook is *Understanding Art*. Glencoe. 2005.

### **Art II**

This is a studio art course. Students will review, enhance, and build on their basic art knowledge and skills through projects and various activities. Students will work on projects that involve drawing, painting, sculpting, photography, collages, scrapbooking, and jewelry making. Creativity, originality, and effort will be the major components of the grade for this course.

### **Journalism**

Journalism students are tasked with the organization of the "The Traveller", which is the yearbook for our school. The students take and compile pictures throughout the year as well as write the copy for the yearbook. Students must be responsible to complete tasks and willing to meet deadlines to be successful. All design is computer based and the students need a good foundation with computer skills. If students are interested in taking Journalism they should discuss their interest with the journalism teacher before making this course request.

### **SAT Prep**

The students in this course practice SAT/ACT strategies throughout the semester. They learn about the registration process and how the tests are scored. Many hours are spent learning strategies for different types of test questions in order to improve the overall score.

### **Bible**

This course focuses on the Old and New Testaments of the Bible from Genesis through Revelation. Biblical readings will be supplemented with contemporary works to expose the students to how Hebrew scripture and the Christian Testament influence 21st century life. Major historical themes and events provide an overview of the Law and the Prophets as well as a history of Judaism and Christianity.

### **Library Science**

Students in Library Science will assist our librarians with their elementary and middle school classes. They may be asked to help students select a book in their reading zone or they may be asked to read books to or with younger students. 75% of the students' grade is determined by their willing participation in class. The remainder of their grade is based on several quizzes throughout the year. Students will also read and be tested on an AR book during the semester/year.

### **Teachers' Aide**

Responsible students are assigned to a classroom teacher or staff member to assist them in their daily tasks. This might be in the cafeteria and in a kindergarten, elementary, middle, or high school classroom. The students' grades are based on a rubric which weighs heavily on their level on cooperation, their promptness, and the responsibility they show in class.