

**Presentation Academy**  
**Freshman**  
**Program of Studies**  
**2007- 2008**

<b>REQUIRED CLASSES</b>
Theology I
English I/Honors English I
Math: Topics in Math Algebra I Honors Algebra I Honors Geometry Honors Algebra II
Science: Biology Earth & Space Science
Health & Physical Education
Computer Skills & Geography
Choral Music (½ credit)
<b>ELECTIVE CLASSES (Choose one)</b>
Reading/Writing Lab
World Languages: Spanish or French
Academy Choir
<b>EARN 7 ½ CREDITS</b>

**THEOLOGY I**

**Catholic Identity** (Required course)

This course explores the Catholic faith and some of the primary teachings of the Catholic Church. Topics include: faith development, revelation through Scripture and Tradition, the Trinity, models of the Church, Church History, Sacraments, Liturgy, Prayer, World Religions, and a study of the history of Presentation Academy. Students participate in a number of class service projects and are required to complete five hours of community service.

Credit: Two semesters; 1 credit

**ENGLISH**

**English I** (Required course)

This English course is devoted to studying the four literary genres (short story, poetry, novel, and drama), developing writing skills, expanding

vocabulary, broadening the student's understanding of grammar, and gaining mastery of word processing. The required literature stimulates writing assignments that range from the paragraph to the personal narrative to more formal expository prose.

Credit: Two semesters; 1 credit

**Honors English I** (Required course)

The student enrolled in Honors English I begins three years of preparation for AP English her senior year. In addition to the areas of study identified in English I, she can expect to develop and expand her analytical skills through extended reading and writing opportunities. Additional outside reading and research are required.

Prerequisite: Must meet criteria established for placement

Credit: Two semesters; 1 credit

**Reading/Writing Lab** (Elective course)

This course is designed for the student who needs additional practice and assistance in reading and writing skills. One semester will focus on the Fast Forward reading enhancement program. The other semester will focus on reading comprehension and writing skills. The class work is good preparation for the student both with fundamental themes of geography in analyzing maps, charts, data, and other materials will be stressed. Upon completion of this course, the student will be able to locate political and physical areas of the world, understand human interaction with the environment, and identify customs and cultures of many different regions.

Credit: One semester; ½ credit

**MATHEMATICS**

Freshman placement is determined by placement test results (the sum of the quantitative score and twice the math score) in combination with recommendations from the eighth grade math teacher. Successful completion of Algebra I in the eighth grade is a determiner. Parent requests are considered. Incoming freshmen are grouped accordingly. Currently, students who graduate from Presentation Academy must have three full credits in math. Proper placement of incoming freshmen is most important. Students taking Topics in Math their freshman year must have four years of math to meet pre-college requirements.

Class progression is as follows:

- Topics in Math, Algebra I, Geometry, Algebra II
- Algebra I, Geometry, Algebra II (required Junior year), Pre-Calculus (C in Algebra II) or College Prep Algebra
- Honors Algebra I, Honors Geometry, Honors Algebra II, Honors Pre-Calculus, AP Calculus or Finite Math

- Honors Geometry, Honors Algebra II, Honors Pre-Calculus, AP Calculus and Finite Math

It is important to note that entry into upper level science classes requires completion or concurrent enrollment in specific math courses.

### **Topics in Math** (Required course)

This course is designed for the student to master basic computational and problem-solving skills. Special emphasis is placed on using the basic operations of addition, subtraction, multiplication, and division on whole numbers, fractions, decimals, and integers. The student is given much practice in translating everyday problems into equations and solving them. Other topics include ratio and proportion, square roots, inequalities, percents, consumer math, solving equations and basic graphing.

Credit: Two semesters; 1 credit

### **Algebra I** (Required course)

This course introduces the student to the use of variable expressions in solving problems. Practice is given in the use of grouping symbols and the order of operations to simplify numerical and variable expressions involving real numbers. Linear equations and inequalities are solved both algebraically and graphically. The student learns to use factoring and the quadratic formula in solving quadratic equations. Exponential notation is also examined. The student learns to perform operations on polynomial expressions. Other topics include ratio and proportion, fractional equations, and solving systems of linear equations. The concept of function is introduced.

Credit: Two semesters; 1 credit

### **Honors Algebra I** (Required course)

This course is an in-depth study of Algebra I and is designed to meet the needs of the student who exhibits high mathematical achievement within certain ranges.

Prerequisite: Must meet established criteria

Credit: Two semesters; 1 credit

### **Honors Geometry** (Required course)

In this course, Euclidean geometry as a logical system of thought is studied using both inductive and deductive approaches. The concepts of perpendicular, parallel, congruence, and similarity are used to explore polygons and circles. A study of the right triangle includes the Pythagorean Theorem. Real world applications include finding the area of plane figures and the volume of solids. These topics are covered in greater depth than regular geometry, with greater emphasis in formal proofs and discovery lessons. Throughout the course, algebra is used in the application of geometric theorems

Prerequisite: Algebra I, other placement criteria

Credit: Two semesters; 1 credit

### **Honors Algebra II** (Required course)

This course is a logical continuation and further development of the concepts introduced in Algebra I. Special emphasis is placed on linear equations, algebraic functions, inequalities, fractional equations, quadratic equations, and word problems. The laws of exponents are studied. Complex numbers and radical equations are introduced. Other topics include polynomials, rational functions, quadratic relations, logarithmic functions, sequences and series, and conic sections. The graphing calculator is used as a teaching aid throughout the course.

Prerequisite: Algebra I, other placement criteria

Credit: Two semesters; 1 credit

### **SCIENCE**

Health and Physical Education credits are required, and three science credits are also required for graduation. Credits include Biology I, and a second credit in Physical Science, Chemistry, or Earth Space Science. The third science credit can be chosen from: Environmental Science, for the student who is not interested in pursuing a science major in college; Chemistry, for the college-bound student; or Physics or AP Biology, for the student planning a career in science. Anatomy and Physiology, not a third credit, is offered for students wanting to specialize in this field. The student is required to obtain and use OSHA safety goggles for all science courses.

### **Biology I** (Required course)

This course is required for all freshmen taking English I or Honors English I. Coursework involves a general overview of living things, the history of their development, classification, molecular and cellular biology, evolution, and genetics. Pertinent lab work is done in small groups. Emphasis is placed on the use of the microscope. Authentic assessment tools and group and self-evaluation exercises are incorporated into the curriculum.

Credit: Two semesters; 1 credit

### **Earth and Space Science** (Required course)

This is a required course for freshman in English I Workshop and/or Topics in Math. The course will address the concept that the Earth is a comprehensive dynamic system within a system, the universe. Students will investigate and evaluate theories related to the origin of the universe, real life phenomenon, geological concepts, and the ongoing changes in the Earth's system and the universe.

Credit: Two semesters; 1 credit

## HEALTH AND PHYSICAL EDUCATION

### Health (Required course)

Health is a required course. It is a comprehensive course of health instruction that includes Mental and Emotional health, Social & Family Health, Development, Nutrition, Substance Abuse, Communicable and Chronic Disorders. Various instructional methods are used throughout the course to meet the diverse learning needs of the individual student. Student participation in the course is required and family discussion is encouraged. Health professionals in the community serve as additional resources through class presentations.

Credit: One semester; ½ credit

### Physical Education (Required course)

Physical education is a required course. The Physical Education program emphasizes proper body mechanics and physical well-being, interpersonal relationship skills, sportsman-like attitudes, and knowledge of movement through exercise, games, sports, dance, and recreational activities. Student assessment for achievement in this class is based on teacher observation, student participation, and special projects.

Credit: One semester; ½ credit

## TECHNOLOGY

### Computer Skills (Required course)

This is a one-semester course covering elements of word processing and excels spreadsheets. Students will develop and present Power Point presentations. Students will also use the Internet safely to evaluate the credibility of a site for research, and properly utilize text and graphics.

Credit: One semester; ½ credit

## SOCIAL STUDIES

### Geography (Required course)

This course is designed to make the student aware of the physical, political, and cultural world in which she lives. The use of the five the increased reading demands of high school and for cementing a foundation with which to begin a world language in the sophomore or junior year.

Prerequisite: Placement test scores and teacher recommendations.

Credit: One semester; ½ credit

## WORLD LANGUAGES

(Elective course)

Presentation's World Language Department offers four years of French and Spanish instruction. In all levels, speaking, listening, reading, and writing skills are stressed. Emphasis on cultural knowledge is also part of this experience.

A minimum of two years of foreign language is required for the college bound student. Freshmen entering world language study must meet Presentation Academy's criteria. This includes appropriate scores on a language test before the student enters at the second year level of a language. The signature of the Spanish or French teacher is required before the student may enter the next level --Spanish/French 3; Spanish/French 4; AP Spanish.

Prerequisite: listed below

**French I** Must meet placement criteria

**French II** Satisfactory completion of French I

**Spanish I** Must meet placement criteria

**Spanish II** Satisfactory completion of Spanish I

Credit: Two semesters; 1 credit

## FINE ARTS

### Choral Music I (Required course)

This course consists of group singing of a variety of styles in choral literature. Students audition to determine voice placement of Soprano I, Soprano II or Alto. The student is first introduced to the basic concepts of music and vocal production, in order to assist in choral performance. To receive credit for the course, the student is required to participate fully in rehearsals, and she must perform in both the Christmas and Spring Concerts. The student is required to wear a black skirt at knee length or longer, a white dress shirt and black dress shoes for the concerts. A fee is charged to the student for choral music and other needs.

Credit: Two semesters; ½ credit

### Academy Choir (Elective course)

This is an advanced choir for sophomores and freshmen. Members will concentrate on increasing their musical knowledge and their singing abilities. Academy Choir will rehearse once a week after school for one hour. Students are required to attend regularly in order to maintain membership. Performances include the Christmas and Spring Concerts. The dress for this choir is the same as Choir I. There is no fee.

Prerequisite: Audition and enrollment in Choir I and/ or II.

Credit: None