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# ARCHBISHOP CURLEY HIGH SCHOOL

## COURSE DESCRIPTION CATALOGUE

2012-2013



3701 Sinclair Lane, Baltimore, MD 21213-2079

(410) 485-5000

[www.archbishopcurley.org](http://www.archbishopcurley.org)

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**DEPARTMENTS ~**  
Listed Alphabetically

**COURSES ~**  
Listed Numerically

## BUSINESS/TECH

### BUSINESSMANAGEMENT

**722** **1 Credit**  
*Elective* The course focuses on providing a basic understanding of the principles of Business Management for students contemplating a career in business. It is geared toward those ready to enter the business world as beginning employees, as well as those planning to be proprietors at some future date. Therefore, the course involves the elements of planning, organizing, actuating, and controlling business operations. During the course, job search techniques are introduced and students participate in job interview exercises. (Available to Juniors and Seniors.)

### COMPUTER APPLICATIONS

**774, 775, 776** **½ Credit**  
*Required* An introductory course that provides extensive hands-on experience in computer applications, hardware, security and personal safety in the digital age. Students will be able to: use software applications which include word processing, spreadsheet, presentation, and graphic manipulation programs; recognize computer hardware, its function, and build a desktop computer; develop proper organization skills for digital devices; learn about computer networks and their use; and develop proper habits for using technology in a responsible and safe manner. Application software includes: Microsoft Office 2010 and GNU Image Manipulation Program (GIMP). Appropriate technology terminology will also be included. Available to Sophomores only.

### THE INTERNET and WEB PAGE DESIGN

**781** **½ Credit**  
*Elective* A course that includes: uses of the internet, designing websites, and maintaining web pages. Students will be able to use multiple browsers to search for information effectively on the World Wide Web. Web pages will be written in a combination of HTML 5 and a CSS3 with consideration for traditional convention and modern standards. Other topics include:

newsgroups, chat, listservs, protocols, web ethics, web morality, web culture and its impact on society, and online privacy. (Available to Seniors only.)

### INTRODUCTION TO PROGRAMMING USING VISUAL BASIC

**761** **1 Credit**  
*Elective* This is a computer programming course using the Visual Basic.net framework. Students will learn structured programming as an effective tool for problem solving on a personal computer. Topics include: controls, projects, branching statements, loops, functions, sub procedures, classes, arrays, file I/O, data structures. Visual Basic is used as a vehicle for implementing graphical computer based solutions to particular programs. The course will provide students with a conceptual background in computing and computer science. The course emphasizes methodology, convention, and procedural abstraction. Other topics include: game programming and design, programming ethics, and application usability. This course will also serve as an introductory course for computer science majors and be a substantial service course for students who will major in other disciplines that require significant involvement with computing. Available to Juniors and Seniors.

## ENGLISH

### READING/WRITING I

**104** **1 Credit**  
*Required* In addition to the reinforcement of basic reading skills such as word recognition, comprehension, study skills and reading rate, this course provides instruction in the specialized skills needed to understand content-area materials. Both traditional and creative modes of writing are taught. Students employ comprehension and written skills to generate logical paragraphs which form good essays. This course is taken in addition to the regular English requirement.

### READING/WRITING II

**105** **1 Credit**  
*Required* Skills previously taught in READING/WRITING I are reviewed and enforced in greater depth. A wide spectrum of new concepts and techniques are introduced to assist the transition of interpreting information from a controlled classroom situation for the student to use in everyday, functional writing, as well as, creative writing and poetry. This course is taken in addition to the regular English requirement.

### GRAMMAR/ COMPOSITION & THE RESEARCH PAPER

**111, 112, 113** **1 Credit**  
*Required* This course is designed to introduce the students to the various genres of literature: short stories, poetry, Epic Poem and drama. The goal is to deepen the student's analytical reading, writing and discussion skills. Students will expand on their vocabulary through the systematic study of vocabulary. Students will do a review of grammar. During the year, students will work at developing their writing skills. Students will be introduced to the fundamentals of doing a research paper.

### COMPOSITION/LITERARY GENRES/SHORT STORY

**121, 122, 123** **1 Credit**  
*Required* This course is designed to build on the foundation of the freshman year by doing a more intensive study of the various genres of literature: short story, novel, poetry, and drama. Students will continue their study of vocabulary and grammar. Students will continue to develop their critical thinking and analysis of the materials covered in class. Students will be expected to be able to write at the level expected for the SAT. Students will do a research paper incorporating what they have learned in freshman year.

### AMERICAN LITERATURE

**141, 142, 143** **1 Credit**  
*Required* The objective of the junior American Literature course is to introduce the student to the development of American Literature from Early American Literature to the Modern Age. The course will include both fiction and non-fiction works. During the year, students will be challenged to expand on their knowledge in the following areas: critical analysis and critical thinking skills, and SAT level writing skills. Students will be required to write a research paper on some aspect of the development of American Literature.

### BRITISH LITERATURE

**131, 132, 133** **1 Credit**  
*Required* The objective of the senior British Literature course is to introduce the student to the development of British Literature from the Anglo-Saxon Period (449-1066) to the Modern Period (1901-1945). Works from Beowulf to James Joyce will be covered. The course will look at the impact of culture and historical events on the development of British Literature. During the year the students will be challenged to expand their knowledge in the following areas: critical thinking and analysis

of the material, college level writing assignments, and creative projects. Students will be required to write a research paper on some aspect of the development of British Literature.

### ADVANCED PLACEMENT AMERICAN LITERATURE

**161** **1 Credit**  
*Required* The Advanced Placement American Literature course is designed to give the students multiple opportunities to work with the rhetorical situation across the curriculum, examining the author's purposes as well as the audiences and subject texts. Students will write in a variety of modes for a variety of audiences, developing a sense of personal style and an ability to analyze and articulate how the resource of language operates in a given text. This course will emphasize the ability to do critical thinking and analysis in terms of rhetoric. The course will cover the development of American Literature from the Pre-Colonial Period, Native American Myths in the Oral Tradition to the Modern Age. Students will do rhetorical analysis of important documents for use of language. Students will be prepared to take the AP English Language Exam. Enrollment is limited to only the most able and highly motivated students who are willing to devote the extra time and effort the course requires.

### ADVANCED PLACEMENT BRITISH LITERATURE

**171** **1 Credit**  
*Required* This is a rigorous, college level course that satisfies the required English credit. The course includes instruction in a significant body of literature of Great Britain, including an intense study of the epic, drama, poetry, essay, and novel. In addition to the reading and discussion of British Literature, the course focuses intensely on the art of prose composition and rhetorical analysis in preparation for the AP English Literature exam. A solid vocabulary program further prepares the student for cogent essay writing. Enrollment is limited to only the most able and highly motivated students who are willing to devote the extra time and effort the course requires. (Prerequisite: Successful completion of AP American Literature.)



## FINE ARTS

### ARTSEMINAR

911, 912, 913 ½ Credit

**Required** This is a course designed to improve visual literacy. The elements of art and the principles of design will be introduced. The roots of Western Art will be explored, touching upon ancient Egypt, Greece and Rome, as well as the Medieval and Renaissance periods.

Approximately one third of the course time will be utilized for the creation of original art projects based upon the principles learned. Woven throughout the appreciation, history and project sections will be the quest for the answer to the enigmatic question "Why does man create?"

### MUSIC APPRECIATION

921, 922, 923 ½ Credit

**Required** Introduction to the varied performing mediums, the sight and sounds of instruments and their families and the development of music from the Medieval to the classical period. This course is specifically designed to develop listening skill while reinforcing skills of memorization and writing.

All students are required to attend one professional concert per quarter. Fulfills Fine Arts credit requirement.

### CONCERT BAND

931, 932 1 Credit

**Elective** A performance oriented course designed to develop the student's mental and physical dexterity through instrumental music. In this course the student continues to develop instrumental techniques with greater emphasis on ensemble playing, performance and music theory. Assigned performances are a requirement. (Prerequisite: Soph Instrument.)\*

### FROSH INSTRUMENT

944 1 Credit

**Required** A performance oriented course in which the student learns to play an instrument of his choice. The course introduces progressive etudes and scales designed to develop instrumental tone, articulation, technical facility, phrasing, rhythm, dynamics and melodic line. Freshmen instrumentalists also study prominent Concert Band Literature through their participation in the Curley Concert Band. Assigned performances are a requirement. (Prerequisite: a beginning course in instrumental music.) Fulfills Fine Arts credit requirement.\*

### SOPH INSTRUMENT

953, 954 1 Credit

**Required** A continuation of studies in tone, articulation, technical facility, phrasing, rhythm, dynamics and me-

lodical line through the performance of progressive scales and etudes. This course includes a more detailed study of Concert Band Literature and musical theory. Assigned performances are a requirement. (Prerequisite: Frosh Instrument.)\*

### JAZZ ENSEMBLE

961 ½ Credit

**Elective** Open to advanced Concert Band members as a second style of performance. The course includes studies in Jazz improvisation, phrasing and articulation. The ensemble performs 15 to 20 concerts during the school year. Concert performances are a requirement. Admission by audition only. (Course meets Tuesdays 7:00 - 8:30 p.m.)\* \* Instruments to be provided by the student.

### MUSICIANSHIP I

971, 972 1 Credit

**Elective** The study of written harmony, keyboard harmony, ear training and sight singing, based on the techniques of composers of the 17th to 19th centuries. Discussions will include a brief review of the rudiments of music, a detailed survey of chords from the simple triad to thirteenth chords, chordal movement through part-writing and figured bass, and harmonizing given melodies as well as creating original music. Analysis, listening, instrumental and vocal applications will be an essential part of each topic covered. (Available to Juniors and Seniors; Prerequisite: Formal instruction in vocal or instrumental technique.)

### INTRODUCTION TO THEATRE ARTS

975 1 Credit

**Elective** This course is intended to enhance a student's personal theatrical ability and/or his appreciation of the theatre through a survey of the fundamental elements of drama and production. In addition to a discussion of the history and literature of theatre, students will also examine various practical aspects of stage production including: acting, improvisation, directing, choreography, lighting, costumes, make-up, publicity, set design and construction. As a requirement of the course, students must assist with the school's two Blackfriars' Theatre productions, in some capacity. The course will use outside guest speakers and persons with technical knowledge of different aspects of the theatre. Field trips to local, regional or Broadway theatres may also be part of this course. Available to Juniors and Seniors.

### DESIGN & COMPOSITION

983, 984 ½ Credit

**Elective** The principles of design serve as guidelines for the use and arrange-

ment of the elements of art. The object of this course is to develop a working knowledge of the elements of art: color, value, line, texture, shape, form and space and the principles of composition: balance, gradation, variety and contrast, repetition and rhythm, emphasis and unity. Progress will be measured, for the most part, by producing visual works which demonstrate an understanding of the elements and principles. (Prerequisite: Art Seminar.)

### FINE ARTS

985 1 Credit

**Elective** The materials, techniques and subject matter of traditional Fine Arts will be explored. They include head sculpture and casting, non representational sculpture, drawing, water color painting and silk screen painting. (Prerequisite: Successful completion of Design and Composition.)

### SENIOR STUDIO

986 1 Credit

**Elective** This class will be customized for each student to meet their needs, whether they are portfolio problems or just personal interests. The course of study will be worked out on a one-on-one basis with specific quarterly goals and reviews. A student may, for example, elect to work in three dimensional mediums for the entire year, while another student may want to do creative techniques on the MacIntosh. Each will be accommodated. Available to Seniors only. (Prerequisite: Successful completion of Art Seminar, Design and Composition, and Fine Arts.)

### CURLEY CHOIR

991, 992 1 Credit

**Elective** A course designed to teach the rudiments of music and the fundamentals of vocal technique using a performance-based approach. The student will learn to use properly the human vocal mechanism, and at the same time, learn how to interpret a composer's intentions as set out in a musical score. Emphasis will be placed on tuning, blend, breathing technique, vowel coloration and consonant articulation. Fulfills Fine Arts credit requirement.

### DIGITAL PHOTOGRAPHY

394 1 Credit

**Elective** A course designed to assist students in exploring digital photography as a visual art form. Topics will include historical perspective, compositional techniques, black and white photography, and theme development. Basic image manipulation and editing will be introduced through the use of the Photoshop Program. Students will create various photo projects to demonstrate their work and understanding of digital photography and these

projects will be on display throughout the community. Students' work will be exhibited during the Spring Art Show. Available to Seniors only.

## GUIDANCE and COUNSELING

### SATPREP

765, 766 ½ Credit

**Required** This class is an intense preparation for the SAT and similar tests used for college admissions and placement. Students will receive instruction in the area of Critical Reading, Math, and Writing Skills aimed at maximizing test performance. Practice testing, direct content instruction, and test taking strategies are the focus of this course.

### TEACHER'S AIDE

#### INDEPENDENT STUDY

871 1 Credit

The Teacher's Aide position is intended for use as an elective in addition to an academic schedule for Franciscan Scholar Seniors. It should not be used by the student in lieu of the academically challenging courses already offered, but as an extension class in a discipline of interest. For example, a student who is enrolled in AP Physics and would like to take an additional science class may become a teacher's aide for different, lower-level or underclass science class. The student should be prepared to work in many positions, including, but not limited to: small group tutorials, individual tutorials, mentoring, limited assisted class teaching, labs and administrative duties. (Available to Senior Franciscan Scholars only. Prerequisite: Approval of Franciscan Scholars Coordinator and mentor teacher)

# CURLEY

## LANGUAGES

### SPANISH I

511, 512, 516\* 1 Credit

**Required** Introduction to the speaking, listening, reading and writing of Spanish. The basic fundamentals of grammar and speech patterns are developed with the use of textbook, workbook, computer programs and audiovisual aids. (\*516 for Anthony Sophomores/Juniors only.)

**SPANISH II****521, 522, 526\*****1 Credit**

**Required** A continuation of the fundamental linguistic skills presented in Spanish I, with a greater emphasis on grammatical structures in the foreign language. This course aims to prepare the student for a greater understanding of the spoken language and to prepare him further for a study of Spanish literature. Greater emphasis is placed on the spoken language. In 521, two short novels and several short stories are read and a daily journal is required. (\*526 for Anthony Juniors/Seniors only.)

**SPANISH III****532****1 Credit**

**Elective** This course is a continuation of the vocabulary, grammar, and structure studied in Spanish II and is offered to Cupertino and Anthony students. An emphasis will be placed on the spoken language. This course will include an introduction to Hispanic/Spanish short stories and poetry. (Prerequisite: Spanish II 522 or 526.)

**ADVANCED PLACEMENT SPANISH III****531****1 Credit**

**Elective** ent exam in either Spanish Language or Spanish Literature. The course is conducted entirely in Spanish. After a review of basic grammar and structure, the student is introduced to new, more intricate grammatical structures. More emphasis is placed on the spoken form of the language. The student is introduced to Spanish/Hispanic literature through short stories, poetry, novels, and drama. (Prerequisite: Spanish II 521.)

**ADVANCED PLACEMENT SPANISH IV****541****1 Credit**

**Elective** Advanced Placement Spanish IV serves as preparation for the AP Exam in either Spanish Language or Spanish Literature. The course is conducted entirely in Spanish. Emphasis is placed upon class discussion and composition. An indepth study of Spanish/Hispanic literature, in the forms of short stories, essays, poetry, novels, and drama is included in this course. Grammatical structures and vocabulary are reviewed and applied to both literature and composition. (Prerequisite: AP Spanish III.)

**SPANISH IV****542****1 Credit**

**Elective** This course will focus on more advanced grammatical concepts and is offered to Cupertino and Anthony students. Students will acquire knowledge of Spanish/Latino writers through literature. Vocabulary, writing, and

speaking skills will be enriched and improved. (Prerequisite: Spanish III 532.)

**FRENCH I****611****1 Credit**

**Required** Introduction to the speaking, listening, reading, and writing of the French language. The basic fundamentals of grammar and speech patterns are developed with the use of textbook, workbook, computer programs and audio-visual aids.

**FRENCH II****621, 622****1 Credit**

**Required** A continuation of the fundamental linguistic skills presented in French I, with a greater emphasis on grammatical structure. The course aims to prepare the student for a greater understanding of the spoken language and to prepare him for a study of French literature. Greater emphasis is placed on the spoken language. In 621, a short novel and several short stories are read; and a daily journal is required.

**COLLEGE FRENCH III****634****1 Credit**

**Elective** An accelerated course in conversational French. The student is given the opportunity to express himself in French through the use of directed conversations on certain aspects of everyday life. With each lesson there is presented an expansive list of vocabulary that deals very specifically with the topic or area of discussion. More intricate grammatical constructions are presented to the student which he must apply both in oral work and short compositions.

**COLLEGE FRENCH IV****644****1 Credit**

**Elective** This course is conducted in French. Through the study of modern French authors and their works, an attempt is made to integrate all the skills that the student has acquired in his previous study. The aim is to have the student become as fluent as possible in expressing himself in French both orally and in a written form. Increased student discussion and composition on the various authors and their works are designed to help the student achieve fluency with more ease. (Prerequisite: College French III.)

**ITALIAN I****651****1 Credit**

**Required** An introduction to speaking, listening, reading, and writing the Italian language. The basic fundamentals of grammar, speech patterns, sentence structures and conversational skills are introduced and developed. Students will also be introduced to Italian customs and culture.

**ITALIAN II****652****1 Credit**

**Required** A continuation of the fundamental linguistic skills presented in Italian I, with a greater emphasis on more complex grammatical structures in the foreign language. This course aims to prepare the student for a more extensive, in-depth understanding of the spoken language and to prepare him for a further study of Italian. The student will also continue to be immersed in Italian culture and traditions. Greater emphasis is placed on the spoken and written language.

**COLLEGE ITALIAN III****654****1 Credit**

**Elective** An accelerated course in conversational Italian. The student is given the opportunity to express himself in Italian through the use of directed conversation using various aspects of everyday dialogue. More complex grammatical constructions are presented to the student and must be applied to oral work, writing composition, and reading and listening comprehension. More emphasis is placed on the spoken form of the language. Italian literature and culture will be introduced through the use of short stories, poetry, novels, drama, film, and opera study. The course is conducted entirely in Italian.

**COLLEGE ITALIAN IV****656****1 Credit**

**Elective** The course is conducted in Italian. Emphasis is placed upon advanced grammar and vocabulary skill building. Italian literature and culture will be discussed through the use of short stories, poetry, novels, drama, film and opera study. The student is given the opportunity to express himself in Italian through the use of daily conversation.

**LATIN I****584****1 Credit**

**Elective** An introduction to speaking, listening, reading and writing in Latin. The basic fundamentals of grammar, speech patterns, and structure are introduced and developed. Available to Juniors and Seniors.

**FRIARS****MATHEMATICAL SCIENCES****PRE-ALGEBRA****403****1 Credit**

**Required** This course is designed for those freshmen entering high school who need to develop adequate math-

ematical skills and sufficient background knowledge for success in a course in Algebra. The first semester will consist of an extensive review of arithmetic skills, including whole numbers, decimals, fractions and factoring. During the second semester, emphasis is placed on integrating mathematical concepts with basic algebra and geometry. Topics include solving equations, working with formulas, ratio, integers and graphing fundamentals. Students will also learn techniques for solving word problems throughout the course.

**ALGEBRA I****411****1 Credit**

**Required** This demanding course is intended for freshmen entering high school with substantial mathematical backgrounds and analytical skills. After a brief review of basic concepts, the course consists of a thorough study and application of the principles of algebra, including operations with real numbers, solving linear and quadratic equations, inequalities, graphing, functions, factoring and polynomials. Students will also develop their abilities to solve word problems. The fast pace of this course allows for periodic enrichment activities.

**ALGEBRA I****412****1 Credit**

**Required** An axiomatic approach to algebra, emphasizing the basic structure of algebra and the application of algebraic concepts, this course is designed for freshmen entering high school with suitable mathematical backgrounds in arithmetic and pre-algebra. Topics covered include sets of numbers, laws and principles of algebra, solving equations, factoring, rational expressions, radicals and polynomials. Students will also develop problem-solving skills.

**ALGEBRA I****413****1 Credit**

**Required** A fundamental course in algebra designed for freshmen entering high school with some skills developed in pre-algebra but who are in need of a slower pace in order to internalize the basic concepts of algebra. This course is also available to sophomores who have successfully completed Pre-Algebra during their freshmen year. Topics include the set, solving equations, inequalities, working with polynomials and graphing techniques. Students will develop their problem-solving skills throughout the course as they discover applications of the algebraic concepts. (Prerequisite: Pre-Algebra.)

**HONORS ALGEBRA II****421****1 Credit**

**Required** A rigorous course in Algebra II intended for Juniors who have suc-

successfully completed Algebra I and for incoming Freshmen who have strong mathematical abilities combined with an array of analytical skills and who have effectively and competently completed an entire year of Algebra prior to entering high school. After a brief review of the essential skills developed in Algebra I, course topics include functions, graphing, solving systems of equations and inequalities, laws of exponents, solving quadratic equations and inequalities, rational expressions, radicals, complex numbers, conic sections, variation, logarithms and their applications, matrices and a brief introduction to trigonometry. Students will develop their problem-solving and reasoning skills by applying concepts learned. (Prerequisite: Algebra 411.)

## ALGEBRA II

**422** **1 Credit**  
**Required** An intermediate course in algebra available for Juniors with a wide range of abilities who have successfully completed Algebra I and who are contemplating college. Students will develop their thinking, problem-solving and reasoning skills through application of the algebraic ideas while building on previously learned concepts. After a review and enhancement of the basics of Algebra I, course topics include functions, graphing, polynomial operations, rational expressions, radicals, complex numbers, solving quadratic equations and laws of exponents. (Prerequisites: Algebra I and Geometry.)

## ALGEBRA II

**423** **1 Credit**  
**Required** A fundamental course in algebraic essentials designed for Juniors and Seniors considering college who have completed Algebra I but who are in need of a slower pace in order to fully comprehend the concepts and ideas. The emphasis in this course is to do several topics well rather than simply covering material at a predetermined tempo, while simultaneously developing problem-solving and reasoning skills that are transferable to a variety of areas. After a review of Pre-Algebra and Algebra I, students will examine techniques for solving equations and inequalities, graphing equations, functions, polynomials, basic laws of exponents, radicals and quadratic equations. A four-function calculator will be used periodically (Prerequisite: Algebra I.)

## PLANE, SOLID & COORDINATE GEOMETRY

**431** **1 Credit**  
**Required** An intense course designed for Sophomores who have developed strong mathematical abilities. Students will continue to cultivate their problem-solving skills while discussing top-

ics in two and three dimensional Euclidean geometry. Proofs and geometric applications will be examined in detail to reinforce and enhance the reasoning abilities and thinking skills of the students. Topics include congruent triangles, similar polygons, right triangles and the Pythagorean Theorem, circles, constructions, area, perimeter, volume, coordinate geometry and transformations. (Prerequisite: Algebra I 411 or Honors Algebra 421.)

## PLANE GEOMETRY

**432** **1 Credit**  
**Required** A course in fundamental two-dimensional Euclidean geometry designed for Sophomores with adequate mathematical skills who have satisfactorily completed Algebra I. Students will develop problem-solving, thinking and reasoning skills through a variety of topics, triangles, congruence, similar polygons, basic right triangle trigonometry, area and circles. (Prerequisite: Algebra I.)

## DESCRIPTIVE GEOMETRY

**433** **1 Credit**  
**Required** A basic yet vital course in Euclidean geometry for Sophomores and Juniors who have completed Algebra I. The course emphasizes quality of learning over quantity of material covered with only moderate stress on proofs. Students will develop thinking, reasoning and problem-solving skills through an assortment of topics and applications, including points, lines, planes, basics of angles, congruence, parallel lines, special triangles, constructions, similar polygons, area, perimeter and circles. (Prerequisite: Algebra I.)

## PRE-CALCULUS

**441** **1 Credit**  
**Required** A demanding, extensive and thorough course for mathematically proficient Juniors and Seniors who have successfully and effectively completed Honors Algebra or Algebra II. This course presents topics in advanced algebra and mathematics, integrated with a complete course in trigonometry in order to provide the essential foundation for the learning of the calculus. Students will augment their problem-solving, reasoning and thinking skills through an array of topics and applications. After a review and enhancement of the critical and significant topics of Algebra I and II, students will discuss conic sections, inverses of functions, exponential equations, logarithms, vectors, matrices, circular functions, trigonometric graphs and application of trig formulas, such as the Law of Sines. A scientific calculator will be used periodically during this course. (Prerequisite: PSC Geometry 431 and Honors Algebra 421 or Algebra 411.)

## COLLEGE ALGEBRA and TRIGONOMETRY

**442** **1 Credit**  
**Required** This course is primarily geared for Seniors who need to strengthen their algebraic and problem-solving skills in order to successfully handle college courses in mathematics, engineering, the sciences or other fields requiring a strong mathematical foundation. The course begins with a detailed review and enhancement of the essential topics of Algebra I and II, such as solving linear and quadratic equations, working with inequalities, graphing and functions. Students will then discuss exponential and logarithmic functions and their applications. The second semester is devoted in large part to a course in trigonometry, covering such topics as basic right triangle trigonometry, graphing trig functions, working with trig formulas, solving trig equations and applications of the trigonometric concepts. Other topics in advanced mathematics, such as matrices, will be covered as time permits. A scientific calculator is strongly recommended for this course. (Prerequisite: Algebra II and Geometry.)

## MATH CONCEPTS & APPLICATIONS

**452/453** **1 Credit**  
**Required** This is a senior math course designed to reinforce and integrate previously learned math concepts. Seniors taking this course will practice math theory and application to be prepared to successfully work in math courses at the college entry level. The course will include topics of sets, logic, number theory and systems, algebra, systems of equations, geometry, consumer math, probability and statistics. (Prerequisites: Algebra and Geometry.)

## CALCULUS

**461** **1 Credit**  
**Required** This course develops the basic forms of integral and differential Calculus into one unified course and will prepare students for future study of Calculus in college. The use of technology is integrated in this course with the use of graphing calculators and computer programs. (Prerequisites: Algebra, Geometry and Pre-Calculus or Honors Algebra.)

## ADVANCED PLACEMENT CALCULUS

**451** **1 Credit**  
**Elective** This college-oriented course, offered to those Seniors gifted in mathematics and who intend to pursue undergraduate study in mathematics, science or related areas, is designed to introduce students to the fundamentals and applications of both differential

and integral calculus. Students who enroll in this course should possess an array of analytical, reasoning and problem-solving skills which will continue to be embellished and enhanced. After a brief review of preliminary concepts, course topics include limits, derivatives and their applications, integration techniques and applications, transcendental functions and partial differentiation. The course prepares students to take the national AP exam in order to qualify for college credit. In light of the College Board requirement of the use of a graphing calculator for the AP exam, a graphing calculator (preferably TI-80 series) is strongly encouraged for this course. Dual enrollment credits are available for an additional fee. (Prerequisites: Pre-Calculus and Departmental recommendation.)

## NATURAL SCIENCE

### BIOLOGY

**321** **1 Credit**  
**Required** Emphasis is placed on developing a broad understanding of the Cell theory, Evolutionary theory, the Gene theory and their interrelatedness. Students will study chemical organization of life, the cell, aspects of metabolism, nucleic acid activity, genetics, evolution, life processes, ecology and biological history. Reading current literature on biological science and laboratory investigations, which are a required part of the course, will assist in teaching the concepts and developing an appreciation for biological science. This course is designed for Franciscan Freshmen.

### BIOLOGY

**322** **1 Credit**  
**Required** Biology studies the interrelationships of life, the cell, evolution, and hereditary. Instruction will help students learn the concepts behind each of the major theories, and to develop an understanding of the complexity of life. Instruction in the historical development of biological concepts and reading current literature on biological science will assist in developing an appreciation for Biology. Laboratory investigations, a required part of the course, will also assist in developing appreciation and in teaching the concepts. (Available to Sophomores only.)

### BIOLOGY

**323** **1 Credit**  
**Required** In addition to studying the major theories in Biological Science (cell, inheritance, and evolution), students will study the structure and func-

tions of forms of life. Lab work will help introduce, explore, and reinforce concepts. Available to Sophomores only.

## CHEMISTRY

**331** **1 Credit**  
*Required* Study of matter, its measurement, structure and reactions. Students will learn relevant vocabulary and problem solving techniques. A strong background in mathematics is vital for success. Topics include thermodynamics, behavior of gases, atomic structure and its relationship to chemical properties, chemical bonding, solution chemistry, chemical kinetics, redox reactions, acids and bases. Designed for advanced students and students planning college studies in science or engineering. Available to Sophomores.

## CHEMISTRY

**332** **1 Credit**  
*Elective* Study of matter, its measurement, structure and reactions. Students will learn relevant vocabulary and calculation techniques. A successful understanding of Algebra I is necessary. Topics will include thermochemistry, gas laws, atomic structure, bonding, and chemical properties. Available to Juniors and Seniors. Note: Cupertino Level students must take 352 or 332 to fulfill the science requirement for graduation.

## CHEMISTRY

**333** **1 Credit**  
*Elective* This is an introductory course into the world of chemistry. Topics include investigations into structure and properties of matter, use of periodic table, bonding, the nature of matter in solution, and chemical reactions. People in chemistry, as well as topics in society and our world are also included. This course is intended for students not intending a science career, but who have an interest in chemistry. This course is strongly recommended for all Anthony juniors to fulfill their science graduation requirement. It is also available to Seniors. (Note: Anthony level students must take 333 or 384 to fulfill graduation requirements.)

## ADVANCED PLACEMENT PHYSICS

**340** **1½ Credits**  
*Elective* Advanced Placement Physics is a non-calculus based college level study of the concepts of Newtonian mechanics, thermodynamics, sound/light wave mechanics and optics, and electricity and magnetism. Emphasis is on key concepts, unifying themes, calculations and derivation of equations. Applications of theoretical principles will be demonstrated in the labora-

tory. This course is for the advanced student with a desire to excel in the physical sciences. One taking this course should most likely be interested in college studies of Mathematics, Computer Science, Engineering, Chemistry, Physics, or any of the physical sciences. As a 1½ credit course, students will meet six hours every cycle. Students should be expected to devote additional time to this course. (Prerequisites: Successful completion of 351, and concurrent enrollment in pre-calculus, calculus or AP Calculus.)

## PHYSICS

**351** **1 Credit**  
*Elective* Concepts emphasized include motion, forces, energy, magnetism electricity, light, sound, heat, and nuclear physics. An introduction to the mathematical basis of Physics will be given. Students taking this class must be fluent with Algebra. This course is open to high ability Juniors and Seniors. This course is a prerequisite for AP Physics, 340.

## PHYSICS

**352** **1 Credit**  
*Elective* This course is the study of Newtonian mechanics; heat and sound; wave motion and light; electricity and magnetism; atomic and nuclear structure. Emphasis is on working with the basic concepts and elementary calculations using basic physics principles. This course emphasizes qualitative explanation of physical phenomena as well as basic algebraic manipulations of equations. This course is for those college bound students who may not necessarily major in the mathematical sciences. Available to Juniors and Seniors. Note: Cupertino Level students must take 352 or 332 to fulfill the science requirement for graduation.

## ADVANCED PLACEMENT BIOLOGY

**360** **1½ Credits**  
*Elective* Advanced Placement Biology is a fast paced college level biology course for students who have demonstrated excellence in science. It is recommended for those students wishing to pursue college credit for their high school experience, and for those students who have a special interest in the natural sciences. Topics are based on the AP Biology curriculum guidelines (<http://apcentral.collegeboard.com/apc/Controller.jspf>). This course is equivalent to a full year introductory college biology course. As a 1½ credit course, students will meet six hours every cycle. Successful completion of biology is required. It is recommended, but not required, that Anatomy & Physiology be taken concurrently or prior to this course. Available to Juniors and Seniors.

## COLLEGE ANATOMY & PHYSIOLOGY

**370** **1 Credit**  
*Elective* Anatomy and Physiology is a one credit one year course in the construction and functioning of a human being. Anatomy and Physiology is designed to be the equivalent of a one semester college Anatomy course. All of us have a natural curiosity about our construction - our bodies. This course will allow students to address their curiosity through classroom work and a variety of laboratory explorations. Lab activities include dissection. Both the structural components of the body systems in a human will be emphasized along with the physiology, of our systems. Topics covered during the Freshman Biology course are necessary background material. Available to Juniors and Seniors. (Prerequisite: successful completion of Biology.)

## HUMAN ANATOMY

**372** **1 Credit**  
*Elective* Human Anatomy is a one credit one year course in the construction and functioning of a human being. All of us have a natural curiosity about our construction - our bodies. This course will allow students to address their curiosity through classroom work and a variety of laboratory explorations. Lab activities include dissection. The structural components, the anatomy, of the body systems in a human will be emphasized. Some functioning, the physiology of organs and systems, will also be covered. Topics covered during the Sophomore Biology course are necessary background material. Available to Juniors and Seniors. (Prerequisite: successful completion of Biology.)

## ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

**381** **1 Credit**  
*Elective* AP Environmental Science provides students with the scientific principles, concepts, and methodologies required to successfully complete the AP exam in May. Study will include earth's natural systems; natural chemical and energy movement through the atmosphere, terrestrial, and aquatic environments; and the effect humans have on our planet. Guidelines from both the AP Environmental Science program and college Environmental Science courses are used to guide course content. Available to Juniors and Seniors. (Prerequisite: successful completion of Biology.)

## ENVIRONMENTAL SCIENCE

**382, 383** **1 Credit**  
Environmental Science is a multidisciplinary field that draws from

all the sciences, as well as other fields. This course helps to provide freshman students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world. This course will focus on three main areas. The areas covered include: conservation and protection of natural resources, environmental education and communication, and environmental research.

## ASTRONOMY/ METEOROLOGY

**384** **1 Credit**  
*Elective* The heavens and stars have long held the interest of man. This area of our world is so very new and exciting and new discoveries are constantly being made. This course will offer an insight into the planets and stars which compose our universe offering answers to some of the current questions. Few aspects of the physical environment have more influence on our lives than the phenomena we collectively call weather. Problems such as air pollution, ozone depletion and global warming need to be addressed because of the affect they have on weather. A basic meteorology course can initiate our interest and curiosity about the weather and help us understand the impact that people have on the atmospheric environment. Available to Junior and Senior Anthony students. (Note: Anthony level students must take 333 or 384 to fulfill graduation requirements.)



## PHYSICAL EDUCATION

**HEALTH**  
**814, 815, 816** **½ Credit**  
*Required* This course covers topics in physical fitness, mental health, hygiene, nutrition, alcohol, tobacco, drug use, and reproduction. This course includes Power Point and lectures, chapter related activities, as well as class discussion.

## PHYSICAL EDUCATION I

**822** **½ Credit**  
*Required* Students will receive instruction and participate in the following team sports: flag football, soccer, bas-

ketball, volleyball, team handball, lacrosse and softball. In addition, students will be introduced to basic weight training and life fitness activities in order to promote a healthier lifestyle.

## PHYSICAL EDUCATION II

**832** ½ Credit  
*Required* Students will receive instruction and participate in the following team sports: flag football, soccer, basketball, volleyball, team handball, lacrosse and softball. In addition, students will be introduced to basic weight training and life fitness activities in order to promote a healthier lifestyle.

## WEIGHT TRAINING & CONDITIONING

**852** ½ Credit  
*Elective* This course is designed for those interested in their own personal fitness. Use of the weight room, coupled with cardiovascular training will be emphasized. (Available to Seniors only.)

## ATHLETIC TRAINING

**861, 862** 1 Credit  
*Elective* The course is designed to educate the students on prevention, care, treatment, and rehabilitation of athletic injuries. The student will be educated on the different careers in the field of sports medicine. The students will be introduced to the anatomy of the body as it pertains to athletic injuries. The course is conducted through power point lecture notes, classroom discussions, labs, and 3D ROM visual aids. The student must complete 10 hours of field service during the school year (Available to Juniors and Seniors)



## RELIGIOUS STUDIES

### RELIGIOUS STUDIES I

**011, 012, 013** 1 Credit  
*The Old and New Testament*  
*Required* This course is to include a general study of the Old Testament from a faith perspective. This will include a background look into the development of Salvation History from the call of Abraham, until the emergence of John the Baptist. From this point the course will look at the person of Jesus. We will see the portrait of Jesus as developed through the Gospels and

the Pauline Letters as well as the development of the early Church (Acts of the Apostles) and the Book of Revelation.

### RELIGIOUS STUDIES II

**021, 022, 023** 1 Credit  
*Fundamentals of the Faith and Sacraments*  
*Required* This course examines the essential beliefs of the Catholic faith. This class considers the profession of faith that is presented in the creed. The essential truths revealed in the creed are examined in the light of the Catechism of the Catholic Church. The living out of one's faith is explored in the study of the Sacraments. Finally, sustaining and nurturing a life of faith through prayer completes the curriculum. The course is designed to examine what Catholics believe, how our beliefs are lived out and how to sustain a life of faith and commitment.

### RELIGIOUS STUDIES III

**031, 032, 033** 1 Credit  
*Moral Principles & Moral Problems*  
*Required* This course in Christian Morality first deals with the principles which form the basis for a mature Christian response to God and others. The course examines how we learn to make moral decisions and the proper formation of the Christian conscience. By examining many of the present-day Social Justice issues students will see how the Christian concretely acts upon these principles when faced with current moral dilemmas such as abortion, euthanasia, capital punishment, war and peace, etc. The position of the Roman Catholic Church on each of these issues will be examined as well as how that may differ from other present day moral systems.

### RELIGIOUS STUDIES IV

**041, 042, 043** 1 Credit  
*Required* The Senior Religion requirement will consist of two elements, divided by each semester. The fall semester will feature Church History. Students will study the key elements of people, places, events, and ideas which shaped the Church today. Particular attention will be paid to St. Francis of Assisi and his contributions to the Church. The spring semester will feature Christian Lifestyles and Vocations which teaches the students about who they are and their relationship to others. The subject matter presents to them the important aspects of discerning a vocation to be married, single, religious life, or ordained ministry. Each element of the Senior year shares in a unique role of preparing students for graduation and moving from high school in to the next stage of life.

### MISSION 4

Since Archbishop Curley High School believes strongly in the formation of the entire person, importance is placed upon developing the spiritual as well as the intellectual dimensions of its students. In teaching Christian values to its students, Curley hopes to instill in them an appreciation to God for the many gifts and talents He has given them, and a willingness to share those gifts and talents with the community in which they live, especially with the less fortunate.

As a means of accomplishing this, Curley has incorporated into its religion curriculum Mission 4, participation in which is required for graduation. Through this program, all students contribute time to a designated service site, arranged by the student in conjunction with the program coordinator. Only satisfactory evaluations, together with the student's own classroom reflection, fulfill the graduation requirement.

Specifics of the program (e.g. apostolate sites, date, times) are provided the students and their parents/guardians when the program begins.

Freshmen, Sophomores and Juniors are required to fulfill a minimum of 12 hours of service per year.

Seniors are required to fulfill the minimum hours in order to comply with the requirements for graduation.

### INTRO TO PHILOSOPHY

**046** 1 Credit  
*Elective* This course is designed to introduce the student to the prominent figures and areas of inquiry found in the study of philosophy. The course has two objectives for the student: (1) to provide the student with historical information that presents philosophy in a chronological manner, paying close attention to specific time periods and cultures; and (2) to provide the student with a broad foundation of knowledge that allows him to engage in some of the more fundamental questions found in philosophy. As a whole, the course will emphasize both critical and analytical thinking skills as well as provide ample opportunity for class discussions and debates. Woven throughout the entire course, from the section on Plato to contemporary issues in philosophy, will be the quest for the answer to the question, "What is Truth?"

## SOCIAL STUDIES

### WORLD CIVILIZATION

**211, 212, 213** 1 Credit  
*Required* A Freshman requirement, this course serves to establish a historical foundation for the student to be used in all future studies. Class instruction, along with individual and group

research, will investigate the historical contributions of individuals, governments, and societies together with attitudes which have influenced the world from the Greek and Roman period to the present.

### UNITED STATES HISTORY

**221, 222, 223** 1 Credit  
*Required* Study of the development of the United States from the time of its discovery through the Colonial Period up to today when it stands as the leader of the free world.

### AMERICAN GOVERNMENT

**232** 1 Credit  
*Required* A detailed study of the workings of the American Government, the three branches of government and the duties and responsibilities of each. The Executive: how the President is selected and elected; the role of the Electoral College; the Cabinet, how it is selected, and the duty and responsibility of each member. The Legislative: the role of Congress; how membership is determined; the duties and responsibilities of each House. The Judicial: the various Federal Courts and the impact of each.

This course is directed to those students who will soon be members of the electorate in the hope that it will make them aware of the functions of their government and also make them aware of their responsibility as citizens.

### AMERICAN GOVERNMENT

**233** 1 Credit  
*Required* A survey study of the American political system concentrating on the Constitution, political parties, the federal system, congress, lawmaking, elections, voting, the presidency, federal courts, supreme court, Maryland state and local government. The course is designed for those students who may need a slower group pace in order to master achievement. The course emphasizes a quality approach to learning the material being taught.

### HISTORY OF MARYLAND

**241** 1 Credit  
*Elective* This course is designed for Senior Franciscan level students. It will focus on the rich history of the State of Maryland. The course will be taught utilizing a complete Social Studies approach. The course will not only focus on the historical development of the state of Maryland but will examine cultural themes, economic growth, Maryland's geography and the state's social history. Available to Seniors.

### AMERICAN MILITARY HISTORY

**243** 1 Credit  
*Elective* This course will focus on the American Military from its early begin-

nings during the French and Indian War to its recent conflict in the Persian Gulf. The course will detail our country's official formation in the American Revolution and the great American tragedy of the 1800's, the American Civil War. The course will then concentrate on 20th Century warfare with an emphasis on World Wars I and II, The Korean War, Vietnam and finally, the Persian Gulf. Areas of focus will include the causes of each war, significant battles, commanding officers, use of weapons, and strategy and tactics, as well as economic and political effects of each conflict. Available to Junior and Senior Anthony students.

### ADVANCED PLACEMENT AMERICAN GOVERNMENT AND POLITICS

**251** **1 Credit**  
*Elective* AP United States Government and Politics will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. A college level text is used and an extensive amount of reading is required outside of the classroom. Students will be expected to sit for the AP exam in May. Available to Juniors and Seniors.

### AMERICAN HISTORY, 1900-PRESENT

**252** **1 Credit**  
*Elective* A course designed to show the development of the United States as a world power from 1900 to the present time. Focus of the course are those problems that arose from this development and how the United States solved or is attempting to solve these problems. Four major units of study include: Origins of War, the Civil Rights Movement, an examination of the Power of the Presidency and an assessment of those who have filled the Oval Office. The course begins with major themes antecedent to the 20th Century as a way to frame American behaviors in the Century. Available to Seniors only.

### ADVANCED PLACEMENT HISTORY

**261** **1 Credit**  
*Elective* This course is designed to provide one with the rich scholarship in American social, economic, political, cultural and intellectual history.

The course is a college-paced course that will provide one with an in-depth and analytical study of the United States, from its earliest inhabitants and the discovery of the New World, through the beginnings of the twenty-first century. The course will emphasize the inner histories of people and how they contend and interact with one another in the drama that is American history. A college level text is used and an extensive amount of reading is required. Students are expected to sit for the AP Exam in May. Available to Juniors and Seniors.

### ECONOMICS

**262** **1 Credit**  
*Elective* This course is designed to introduce the student to economic issues. Constantly a news item, economics effects your choices in housing, large purchases, taxes and other matters effecting income and spending. Students will learn to recognize and understand economic problems. They will learn to know how supply and demand influences pricing. The government's fiscal policy and monetary policies have a great effect on these issues. Understanding these policies and their effect will help the student to understand how it relates to his own spending. Our own countries' economic growth is important to us all - how do global problems and monetary exchange rates have an impact on this growth? Available to Seniors only.

### GENERAL PSYCHOLOGY

**281, 282** **1 Credit**  
*Elective* This course will provide one with an *introductory* look into the core concepts of psychology as well as other emerging high interest topics within the field. The students will be presented with material so as to provide them with a broad base of understanding in the field of psychology. Both classical research and contemporary issues will be discussed in an attempt to relate theory and research to one's own life experiences and previous knowledge. Topics addressed in the course include learning, memory, intelligence, consciousness, motivation, adolescence, stress and psychological disorders. The topics will be integrated along with the various forms of therapy that exist in practice. A considerable amount of research and outside reading is also required. Available to Seniors only.

### COLLEGE PSYCHOLOGY- ONLINE

**284** **1 Credit**  
*Elective* This is an online psychology course offered through Anne Arundel Community College. Students will earn credit from Curley as well as 3 undergraduate credits from Anne Arundel Community College (Psychol-

ogy 111). There is an added fee for this course. Available to Seniors only.

### GEOGRAPHY

**292** **1 Credit**  
*Elective* This course is designed to show the relationship between History and Geography and how Geography influences historical as well as current world events. The course concerns itself mainly with aspects of human and physical geography but emphasizes map proficiency on world, national, state and municipal levels. Available to Juniors and Seniors.

### AMERICAN FOREIGN POLICY: PAST, PRESENT, FUTURE

**271** **1 Credit**  
This course examines the causes and consequences of American foreign policy from 1945 to the present. The course will emphasize the Cold War, the Middle East, Human Rights, the rise of China, International Terrorism, the Global Economy, the Global War on Terror and basic International Relations. Students will leave the course understanding the content of current American foreign policy, how that content evolved, and the major theories that explain this evolution. The course will detail central American foreign policy institutions, how they operate, and the controversies that surround their actions. Students will develop their analytic abilities studying the controversies surrounding these policy choices America has made, and the challenges that face America today. Available to Juniors and Seniors.



## IMPORTANT NOTES for STUDENT REGISTRATION

- 1) Review course selections with parents, record them on the Course Selection Worksheet and on page 10.
- 2) Return Course Selection Worksheet to Homeroom on February 17.
- 4) Your Guidance Counselor will arrange an appointment with you to review your selections.
- 5) When you receive your Verification Form, be sure you are being scheduled for the courses you discussed with your counselor.
- 6) Return the Verification Form, signed by a parent, on March 23.
- 7) If you do not return a signed Verification Form, you will NOT receive a schedule when school opens next year!



## MINIMUM GRADUATION REQUIREMENTS

Religious Studies .....	4.0 credits
English .....	4.0 credits
Mathematics .....	4.0 credits
Social Studies .....	3.0 credits
Natural Sciences .....	3.0 credits
Language/Reading .....	2.0 credits
Health .....	0.5 credit
Fine Arts .....	0.5 credit
Intro Computer .....	0.5 credit
Physical Education .....	1.0 credit
SAT Prep .....	0.5 credit
Electives .....	4.5 credits
<hr style="width: 25%; margin-left: 0;"/>	
TOTAL .....	27.5 credits

## THE STRATIFIED CURRICULUM

Each course at Archbishop Curley High School is assigned a particular level which reflects the level of difficulty of the course.

**The Franciscan Courses** are designed to be advanced and accelerated, requiring superior competence in addition to well-developed study skills. These are considered honors courses which require above average aptitude and a certain degree of independent reading and study.

**The Cupertino Courses** are college preparatory and developed for the student with average ability in the subject area. These courses present an intellectual challenge which require proper study habits and a satisfactory background in the learning skills of reading and writing.

**The Anthony Courses** focus on acquiring the skills needed in comprehending the subject matter. They are designed to aid the student with particular weaknesses in background skills.

## NOTES

In order to graduate, a student must take all semester examinations, unless academically exempted, for courses taken at Archbishop Curley High School. Each student must take at least six (6) full credit subjects and one-half credit subject per year.

The study of language is required for graduation. The courses which satisfy this requirement are as follows: French I-IV, Spanish I-IV, Italian I-IV, Reading Skills I & II. Once a student has begun the study of a foreign language, it is required that he will take the two year sequence of that language.

The Administration reserves the right to cancel or close any course due to enrollment or faculty unavailability.

Once a student chooses and is scheduled for a course, it is expected that he remain in that course unless the Administration deems a change necessary.

**COURSE REGISTRATION WORKSHEET**

Name \_\_\_\_\_ Homeroom \_\_\_\_\_ Class of \_\_\_\_\_

Class of 2013 ~ SENIORS	Class of 2014 ~ JUNIORS	Class of 2015 ~ SOPHOMORES	Class of 2016 ~ FRESHMEN
<b>Religious Studies IV</b> _____	<b>Religious Studies III</b> _____	<b>Religious Studies II</b> _____	<b>Religious Studies I</b> _____
<b>English</b> _____ AP British Lit British Lit	<b>English</b> _____ AP American Lit American Lit	<b>English</b> _____ Comp/Lit Survey/Short Story	<b>English</b> _____ Grammar/Composition/Research
<b>Mathematics</b> _____ AP Calculus Calculus Pre-Calculus College Algebra & Trig Math Concepts & Applications Algebra II (423)	<b>Social Studies</b> _____ American Government AP History AP Government & Politics	<b>U.S. History</b> _____	<b>World Civilization</b> _____
<b>Open Electives</b> (3.5 credits) <i>Choose 4 electives and 2 alternates</i> Elective #1 _____ Elective #2 _____ Elective #3 _____ Elective #4 _____ Alternate #1 _____ Alternate #2 _____ Business Management Internet (½ Credit) Visual Basic Musicianship I Concert Band Design & Comp Fine Arts Intro to Theatre Arts Senior Studio College French III/IV College Italian III College Italian IV Latin I Spanish III/IV A.P. Spanish III/IV Spanish II (526) Athletic Training Weight Training (½ Credit) American History, 1900-Present AP History AP Government & Politics American Military History History of Maryland American Foreign Policy Economics Geography General Psychology College Psychology Intro to Philosophy A.P. Calculus A.P. Physics (1½ Credits) A.P. Biology (1½ Credits) A.P. Enviro Science Chemistry College Anatomy and Physiology Human Anatomy Astronomy/Meteorology Digital Photography Physics Teacher's Aide Independent Study	<b>Science</b> _____ Physics Chemistry Human Anatomy College Anatomy & Physiology Astronomy/Meteorology AP Enviro Science AP Biology	<b>Science</b> _____ Biology Chemistry	<b>Science</b> _____ Biology Environmental
	<b>Mathematics</b> _____ Calculus Pre-Calculus College Algebra & Trig Plane Geometry Plane, Solid & Coord Geometry Descriptive Geometry Honors Algebra II Algebra II	<b>Mathematics</b> _____ Plane, Solid & Coord Geometry Plane Geometry Algebra I	<b>Mathematics</b> _____ Honors Algebra II Algebra I Pre-Algebra
	<b>Open Elective</b> (1 credit) <i>Choose 1 elective and 1 alternate</i> Elective #1 _____ Alternate #1 _____ Athletic Training Business Management Concert Band Design & Composition Fine Arts Intro to Theatre Arts French III College Italian III Latin I Spanish III A.P. Spanish III Spanish I (516) Spanish II (526) Geography American Military History American Foreign Policy	<b>Language</b> _____ French II Italian II Spanish I (516) Spanish II Reading/Writing II	<b>Language</b> _____ French I Italian I Spanish I Reading/Writing I
	<b>Physical Ed</b> (Required) _____ <u>832</u>	<b>Computer Applications</b> _____	<b>Fine Art</b> _____ Music Appreciation Frosh Instrument Art Seminar Curley Choir
	<b>SAT Prep</b> (Required) _____	<b>Soph Instrument</b> (Elective) _____	<b>Health</b> (Required) _____
	<b>Lunch</b> _____ <u>999</u>	<b>Design &amp; Comp</b> (Elective) _____	<b>Lunch</b> _____ <u>999</u>
<b>Lunch</b> _____ <u>999</u>		<b>Physical Ed</b> (Required) _____ <u>822</u>	
		<b>Lunch</b> _____ <u>999</u>	

**ALLSTUDENTS**

Two (2) Fine Arts electives are offered outside of the school day with teacher approval. Check one or both if you intend to take either of these courses:

Jazz Ensemble  
 Choral Ensemble