

# WESTERN HIGH SCHOOL

## COURSE CATALOGUE, 2013–2014

4600 Falls Road, Baltimore, MD 21209

(410) 396-7040

### ACADEMIC PROGRAMS

---

#### ***College Preparatory***

4 English (Eng. I, II, III, IV or Honors/AP levels)  
4 Math (including Alg. I, Geometry, Alg. II, Precalculus)  
3 Levels of Same Second Language  
3 Social Studies (World Hist., Amer. Govt., US History)  
3 Lab Sciences (Biology, Chemistry, Physics)  
1 Tech. Education  
1 Fine Arts  
.5 Physical Education (Personal Fitness)  
.5 Health  
4 Electives

-----  
24 credits

Requirement for this program: at least 1 AP course or 2 Honors level courses after 9th-grade year

#### ***Teacher Academy***

4 English (Eng. I, II, III, IV or Honors/AP levels)  
4 Math (including Alg. I, Geometry, Alg. II, Precalculus)  
3 Levels of Same Second Language  
3 Social Studies (World Hist., Amer. Govt., US History)  
3 Lab Sciences (Biology, Chemistry, Physics)  
1 Tech. Education  
1 Fine Arts  
.5 Physical Education (Personal Fitness)  
.5 Health  
1 Human Growth and Development through Adol.  
1 Teaching as a Profession  
1 Foundations of Curriculum and Instruction  
1 Educational Academy Internship

-----  
24 credits

#### ***IT Networking Academy (CISCO) Requirements***

4 English (Eng. I, II, III, IV or Honors/AP levels)  
4 Math (including Alg. I, Geometry, Alg. II, Pre-Calculus)  
3 Levels of Same Second Language  
3 Social Studies (World Hist., Amer. Govt., US History)  
3 Lab Sciences (Biology, Chemistry, Physics)  
1 Tech. Education  
1 Fine Arts  
1/2 Physical Education (Personal Fitness)  
1/2 Health  
2 IT Essentials: Fundamentals of PC HW and SW  
1 IT Essentials Advanced PC HW and SW  
1 CCNA Discovery

-----  
24 Required Credits

#### ***Accelerated College Preparatory***

4 English (Eng. I, II Hon., Eng. Lang./Comp. AP, Eng Lit/Comp AP)  
4 Math (including Alg. I, Geometry, Alg. II, Precalculus)  
3 Levels of Same Second Language  
3 Social Studies (World Hist., Amer. Govt., US History)  
3 Lab Sciences (Biology, Chemistry, Physics)  
1 Tech. Education  
1 Fine Arts  
.5 Physical Education (Personal Fitness)  
.5 Health  
4 Electives

-----  
24 credits

Requirements for this program: Cumulative GPA of 3.0 Min., 4 Hon./AP courses per yr. (sophomore–senior year), must take 4 Advanced Placement courses, including AP English Lit./Comp.

#### ***Project Lead the Way: Biomedical Sciences***

4 English (Eng. I, II, III, IV or Honors/AP levels)  
4 Math (including Alg. I, Geometry, Alg. II, Precalculus)  
3 Levels of Same Second Language  
3 Social Studies (World Hist., Amer. Govt., US History)  
3 Lab Sciences (Biology, Chemistry, Physics)  
1 Tech. Education  
1 Fine Arts  
.5 Physical Education (Personal Fitness)  
.5 Health  
1 Principles of the Biomedical Sciences  
1 Human Body Systems  
1 Medical Interventions  
1 Biomedical Innovation

-----  
24 credits

- Freshmen placed in Algebra I may take two math classes in the sophomore year in order to enroll in Calculus in the senior year. Teacher recommendation required.
- Students must enroll in full-year core courses in English and Mathematics each year and in a minimum of four credits each year from among the English, Mathematics, Social Studies, Science, and Foreign Language offerings.
- All students enter the College Preparatory program in grade 09. They may apply to enter the Accelerated College Preparatory, Teacher Academy, Biomedical Science, or IT Networking programs in grade 10, for which administrative approval is required.

## Failures

Western High School does not allow a student to make up failed courses during the regular school day of the school year. If a student fails any graduation requirement, she must make it up in summer school or an approved Twilight program.

## HSA Requirements

Students must pass the High School Assessments to graduate. The Maryland State Department of Education passing standard requires that students either do the following: 1) Pass all three HSAs. The passing scores are: Algebra/Data Analysis: 412; Biology, 400; and English, 396; OR 2) Earn a combined score of at least 1,208. For students entering grade 9 beginning in 2013-14 must also pass the Government HSA or achieve a combined score (all 4 HSAs) of at least 1602.

## Honors and AP Courses

Honors and AP courses are available to all students. Placement in honors courses is determined by teacher recommendation the previous spring and student performance in current courses.

## Weighted Courses

Advanced Placement (AP) and Honors courses are weighted. When a student's average is computed, grades for Honors courses are multiplied by 1.1, grades for AP courses are multiplied by 1.2, and these new grades are used in calculating the G.P.A. Baltimore City Public Schools use a 4-point scale when calculating G.P.A. Example: a grade of B (3.0) in an Honors course, if weighted, becomes 3.3 in the GPA calculation.

## Service Learning

All students must provide verification for the completion of 75 hours of service learning.

## Western High School Certificate Requirements

In order to receive a Western High School Certificate in addition to the Maryland State Department of Education Diploma, a student must: meet all Maryland State Department of Education graduation requirements; earn credit for (pass) all classes with no more than 4 remediated failures; earn a minimum cumulative grade average of 3.0; complete all requirements of the student's curricular program.

# COURSE LISTINGS

## ENGLISH

### 08101 English I

### 08105 Honors English I

Credit: 1.0

Year  
Grade levels: 09

English I and I Honors, taken by all incoming freshmen, are the first classes of a four-year course of study in Language Arts. Students entering Western—already performing at grade-level or above—will experience a course of study specifically designed to engage them in active, high-level learning. Participation in the class will enable them to develop the skills, habits of mind, and concepts they need to do well in a rigorous college preparatory high school program. Both courses are designed to meet the needs of students eligible to attend Western by laying the foundations for challenging work in reading, writing, listening, and speaking as preparation for advanced studies. Students will examine literature from the major genres and use this content to increase comprehension; develop analytical skills; learn what to study, how and why; and how to write with organization and support. Students in Honors will be exposed to more rigor in the nature of assignments and assessment.

### 08201 English II

Credit: 1.0

Year  
Grade levels: 10

This course continues the practice in critical thinking, reading, writing, and vocabulary acquisition begun in the ninth grade. Students will be expected to build upon their understanding of methods and concepts introduced the year before and to apply this to new and more challenging literature. This course focuses on World Literature and requires that students read and analyze these works in order to understand themselves and human condition. Methods of how to read and record reflections and ideas will be strengthened and expanded. Students will learn new terms and concepts and apply these to course readings as well as oral and written discussion. The length and depth of written responses will reflect course standards. Thoughtful participation in this class will prepare students for the Maryland English High School Assessment taken in May of the sophomore year.

### 08203 Honors English II

Credit: 1.0

Year  
Grade levels: 10

Like its companion course—English II—this class continues the practice in critical thinking, reading, writing, and vocabulary acquisition of the ninth grade. Students in this course, however, will learn additional techniques in rhetoric and literary analysis that will enable them to more fully participate in the AP courses offered in the eleventh and twelfth grades. Expectations for the

kinds of reading and response, for Socratic Discussion, and for more advanced composition will guide the presentation of material and the interaction of the teacher and class. These students will be expected to perform more independently as they acquire the tools they will need for success. As with English II, active participation in this class will prepare students for the Maryland English High School Assessment taken in May of the sophomore year.

### 08301 English III

Credit: 1.0

Year  
Grade levels: 11

The first of the upper-level courses, English III requires that students apply their knowledge of how to read and respond to literature and nonfiction to works drawn from American Literature. Students will encounter works from colonial to modern times and will trace themes focusing on the American Dream and experience. Students are expected to apply and hone skills in: close reading with analytical journal response and text marking/annotation; application of literary vocabulary/concepts; determining vocabulary meaning in context; written commentary and essay; small and large group discussion and presentation projects that foster collaborative learning. Instruction and learning will also support and enhance readiness for the PSAT and SAT experiences.

### 08404 AP Eng Lang & Comp

Credit: 1.0

Year  
Grade levels: 11

Students will apply and hone skills in: close reading with analytical journal response and text marking/annotation; application of literary vocabulary/concepts; determining vocabulary meaning in context; written commentary and essay; small and large group discussion and presentation projects that foster collaborative learning. This course, however, will require development of more focused independent learning as a way of practicing the kinds of approaches and methods needed to succeed in an AP class. While works from American Literature will form the basis of course readings, students will read and respond to both literature and nonfiction that will foster development of increasing analytical skills in reading and writing. Students enrolled in this class will continue the study of rhetoric and literature in the service of this advanced response. Students will think deeply about language as a persuasive tool, and examine the dynamic relationship of the writer, the context, the audience, and the argument. Students will have frequent practice in examining great writing, explaining why and how it "works" at an advanced level, and in the composition of their own persuasive compositions.

### 08401 English IV

Credit: 1.0

Year  
Grade levels: 12

The culminating course of Western's English program will focus on literature and nonfiction from around the globe and throughout time, though grounded primarily in works of British literature. Increasing independent and collabora-

tive learning based on application of the language of literary discourse, learned approaches to reading and response that work, and composition of commentary and essay acquired over three years in the program form the basis of this class. Additionally, students must complete a literary research paper that meets standards set by the department. This project is a crucial part of a student's final grade in the course and the program.

**08405 AP English Lit & Comp** **Year**  
**Credit: 1.0** **Grade levels: 12**

This course challenges students to study and interpret a wide range of imaginative works from a variety of genres. It invites students to read critically, think clearly, and write concisely about the literature they encounter. This is a college-level course that enables students who are prepared to meet the challenge by building upon and applying what they have learned in prior English courses to develop strengthen their skills in dealing with some of the best works of fiction. Students will have frequent practice in interpreting great literature from numerous time periods and places at a mature level and in the composition of written commentary and various essay responses. A crucial part of this course is both independent study and participation in study/presentation groups, including panel presentations, seminar, and Socratic circle discussion.

**08519 Creative Writing** **Semester**  
**Credit: 1.0** **Grade levels: 10–12**

Students read various types of creative literature by writers from around the world. Students write poems, short stories, plays and new journalism. Students participate in class discussions, develop writing portfolios, and present of their work. Grammar and correct usage in writing and speaking will be emphasized throughout the course. Vocabulary development is also stressed.

**08531 Speech** **Year**  
**Credit: 1.0** **Grade levels: 10–12**

This course is designed to introduce students to the basic fundamentals of public speaking and oral interpretation of literature. Students are required to write and deliver various types of speeches. Students learn techniques of social communication and the art of oral interpretation through dramatic reading and readers' theater.

## **FINE ARTS: MUSIC, ART, DRAMA, AND DANCE**

**03215 Fundamentals of Art** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

This course provides students exposure to a broad range of two- and three-dimensional art projects while exploring different approaches. Painting, drawing, printmaking, and sculpture are the areas of concentration, with an emphasis on the Elements of Art and Principles of Design. Art Criticism/oral presentations are required, as well as written reports.

**03104 Drawing & Painting** **Year**  
**Credit: 1.0** **Grade levels: 10–12**

Prerequisite: course 03105, Intro. Drawing and Painting or 03207 Fundamentals of Art. The Drawing and Painting course is designed to challenge the students' perceptive skills in recognizing, identifying, and interpreting objects in their environment. Throughout the course, students will be able to define and discuss art vocabulary, methods, and art movements. Students should possess the fundamental skills and techniques for problem solving when they are creating visual artwork based on personal self-expression, interpretation, criticism, and judgment.

**03106 Drawing & Painting II** **Year**  
**Credit: 1.0** **Grade levels: 11–12**

Prerequisite: course 03104 Drawing and Painting. This course is designed for the student with a strong desire to develop her drawing and painting skills. The course fosters the development of a mature attitude toward expressive and conceptual art with an emphasis on the human figure, art movements, and design skills. The student should have received a grade of 90 or above in the Drawing and Painting course.

**03304 Mixed Media** **Year**  
**Credit: 1.0** **Grade levels: 10–12**

Prerequisite: course 03207 Fundamentals of Art or 03103 Intro. Arts & Crafts AND 03105 Int. Draw. & Paint. This course allows students to apply knowledge of the Elements of Art and Principles of Design in creating artworks. Students are expected to make independent decisions, evaluations, and judgments while working within the criteria of specific artistic problems. In addition, students will engage in formal critiques where they discuss each others' work.

**03211 Graphic Design** **Year**  
**Credit: 1.0** **Grade levels: 10–12**

This course introduces students to the principles of 2-D graphic art and digital design. The course is computer-based and serves to prepare students for the AP Art (2-D Design) course and begin building a portfolio for it. This course does not satisfy the Fine Arts credit requirement for graduation.

**03403 AP Art (2-D Design)** **Year**  
**Credit: 1.0** **Grade levels: 11–12**

In this course, students develop a body of work informed by research of contemporary and master artists, cultural exemplars, and peer dialogue. The portfolio reflects a breadth of experiences, concentration on a specific theme, and quality execution of artworks. Each student defends the portfolio in a personal artist's statement. This continues the development of the body of work begun in previous art courses, leading to the Advanced Placement examination. Students are required to investigate all three aspects of the portfolio that includes Quality, Concentration, and Breadth. Students are expected to develop mastery in concept, composition, and execution of ideas as well as, develop verbal and written literacy about their works. They are shown examples of past AP portfolios for ideas and inspiration. Contemporary and master artists are used as catalysts for ideas and imagery.

**15101 Band I** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Band I is an introduction to Band and meets once a day for five days a week. The course is mandatory for all 9<sup>th</sup>-grade, transferred, or new students who wish to play an instrument in the Band and is a prerequisite for Band II, III, or IV. The course is designed to teach students to become proficient enough on an instrument so that if they wish to continue they will be eligible to perform in performance ensembles. This course covers the beginning aspects of the elements of music and instrumental study. Various types of musical styles and the enhancement of an understanding of cultural genre using a performance setting are emphasized. Course completion requires the student to attend rehearsal in the afternoon from 3:10 P.M. to 4:55 P.M. on Mondays. Students must have a working instrument or for a user's fee use one of the school's instruments that is available.

**15102 Band II** **Year**  
**Credit: 1.0** **Grade levels: 10–12**

Prerequisite: course 15101. The band class meets once a day for five days a week. Course participants provide music at Western assemblies, promote Western in the Baltimore Community by participating in community functions, and are a recruitment vessel throughout the state and larger regions by participating in contests, adjudications, and other events which speak positively for Western. Course completion requires the student to attend rehearsal in the afternoon from 3:10 P.M. to 4:55 P.M. on Tuesday and Wednesday each week throughout the year. Flute and clarinet players must provide their own working flute or clarinet; other band instruments are available for a user's fee. Purchase of *The Master Theory* test book is encouraged. Students take a leadership role in ensuring the success of the band. The student must attend the Baltimore City Public School System's Solo and Ensemble Adjudication and Concert Band Adjudication.

**15103 Band III** **Year**  
**Credit: 1.0** **Grade levels: 11–12**

Prerequisite: course 15102. The band class meets once a day for five days a week. Course participants provide music at Western assemblies, promote Western in the Baltimore Community by participating in community functions, and are a recruitment vessel throughout the state and larger regions by participating in contests, adjudications, and other events which speak positively for Western. Course completion requires the student to attend rehearsal in the afternoon from 3:10 P.M. to 4:55 P.M. on Tuesday and Wednesday each week throughout the year. Flute and clarinet players must provide their own working flute or clarinet; other band instruments are available for a user's fee. Purchase of *The Master Theory* test book is encouraged. The student must attend the following adjudications Baltimore City Public School System Solo and Ensemble Adjudication, and the Band Adjudication.

**15110 Piano Keyboard** **Year**  
**Credit: 1.0** **Grade levels: 10–12**

Students learn the beginning application of keyboard playing. The technique learned includes scales and arpeggios up to four sharps, flats, major and minor. The students are encouraged to purchase *Book 1 the of Older Beginner Piano Course* by James Bastein.

**15113 Honors Advanced Band** **Year**  
**Credit: 1.0** **Grade levels: 12**

Prerequisite: course 15103. The band class meets once a day for five days a week. The course objectives are: to provide music at Western assemblies; to promote Western in the Baltimore Community by participating in community functions, and to be a recruitment vessel throughout the state and larger regions by participating in contest, adjudications, and other events which speak positively for Western. Course completion requires the student to attend rehearsal in the afternoon from 3:10 P.M. to 4:55 P.M. on Tuesday and Wednesday each week throughout the year. Flute and clarinet players must provide their own working flute or clarinet; other band instruments are available for a user's fee. Purchase of The Master Theory test book is encouraged. The student must attend the following adjudications Baltimore City Public School System Solo and Ensemble Adjudication, City Wide Band Adjudication. Perform a classical concert piece.

**15201 Chorus I** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Chorus I is an introduction to chorus and meets once a day for five days a week. The course is mandatory for all 9<sup>th</sup>-grade, transferred, or new students who wish to sing in the Chorus and is a prerequisite for Choir II, III, or IV. Performance-based course. Course exposes students to choral literature & music from many eras and countries. Music studied ranges from classical (Bach & Handel) to 20th century (Ellington) to folk songs. Instruction covers basic choral vocal technique, sight-singing, solfege, eurhythmics, and theory. The choir performs for various Western & community functions, and participation is part of course requirements. Students are encouraged to purchase music texts.

**15202 Chorus II** **Year**  
**Credit: 1.0** **Grade levels: 10–12**

Prerequisite: course 15201. The choir class meets once a day for five days a week. Course participants provide music at Western assemblies, promote Western in the Baltimore Community by participating in community functions, and are a recruitment vessel throughout the state and larger regions by participating in contest, adjudications, and other events which speak positively for Western. Students take a leadership role in ensuring the success of the choir.

**15203 Chorus III** **Year**  
**Credit: 1.0** **Grade levels: 11–12**

Prerequisite: course 15202. The choir class meets once a day for five days a week. Course participants provide music at Western assemblies, promote Western in the Baltimore Community by participating in community functions, and are a recruitment vessel throughout the state and larger regions by participating in contest, adjudications, and other events which speak positively for Western. Students take a leadership role in ensuring the success of the choir. The student must audition for the Maryland State Choir or The Baltimore City Honors Chorus.

**15205 Honors Concert Choir** **Year**  
**Credit: 1.0** **Grade levels: 12**

Prerequisite: course 15203. The choir class meets once a day for five days a week. Course participants provide music at Western assemblies, promote Western in the Baltimore Community by participating in community functions, and are a recruitment vessel throughout the state and larger regions by participating in contest, adjudications, and other events which speak positively for Western. Students take a leadership role in ensuring the success of the choir. The student must audition for the Maryland State Choir or The Baltimore City Honors Chorus. Students must also complete a written research project or perform a solo concert piece.

**15505 Fine Arts Drama I** **Year**  
**Credit: 1.0** **Grade levels: 10–12**

Course designed to introduce students to the basic fundamental of theater performance. Topics include theater games, pantomime, improvisation, oral interpretation of literature, & play production.

**15506 Fine Arts Drama II** **Year**  
**Credit: 1.0** **Grade levels: 10–12**

Prerequisite: Fine Art Drama I. This course is designed to reinforce the basic fundamentals of theater performance and to refine acting skills. Course teaches various theater styles and basic theater history. The course includes the topics of 15504, with emphasis on the production of a play.

**15507 Fine Art Dance I** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Course teaches students the fundamentals of dance techniques, compositional form & choreography.

**15508 Fine Art Dance II** **Year**  
**Credit: 1.0** **Grade levels: 10–12**

Course teaches students the fundamentals of dance techniques, compositional form & choreography. Students choreograph and perform group & individual dances.

---

## GUIDANCE

---

**19102 AVID I** **Year**  
**Credit: 1.0** **Grade levels: 9**

Prerequisite: enrollment in the AVID program.

**19103 AVID II** **Year**  
**Credit: 1.0** **Grade levels: 10**

Prerequisite: course 19102 AVID I.

**19105 AVID III** **Year**  
**Credit: 1.0** **Grade levels: 11**

Prerequisite: course 19103 AVID II.

---

## MATHEMATICS

---

**11100 Honors Algebra I Comm Core Stand-Math** **Year**  
**Credit: 1.0** **Grade levels: 09**

Similar to 11128, but students have either passed the HSA Algebra already or scored at the Advanced level on the MSA Math assessment and consequently do not require the full preparation for HSA Algebra. Course meets 1 period per day.

**11128 Intensified Algebra I** **Year**  
**Credit: 1.0** **Grade levels: 09**

This course is the basic mathematics course for all college preparatory mathematics courses. Students will study data analysis and interpretation, probability, linear and quadratic functions, matrices and applications of these concepts. Graphing calculators are an integral part of this course. This course prepares students for the Maryland High School Assessment in Algebra/Data Analysis. Students enrolled in this course must take and pass the HSA in order to graduate. A companion course (and credit) is assigned so that the student receives 2 periods of Algebra instruction per day.

**11201 Geometry** **Year**  
**Credit: 1.0** **Grade levels: 10**

Geometry is a high school graduation requirement course that provides a complete foundation in the geometry topics defined in Maryland High School Core Learning Goal 2. Geometry is a comprehensive course studied as a mathematical system beginning with the construction and measurement of polygons, their symmetry, and triangulation. Students discuss scaling, similarity, proportionality, angle measure, congruence and rotation. Subsequently, through an introduction to trigonometry based on right triangles, and the fundamental properties of circles, learners become well versed in applying the principles of plane geometry to three-dimensional figures.

**11202 Honors Geometry** **Year**  
**Credit: 1.0** **Grade levels: 10**

Study of plane, coordinate, and solid geometry. Emphasis is placed on proofs, logical reasoning, and development of creative thinking. Also stressed is developing of visualization skills, pictorial representation, and application of geometric ideas.

**11307 Algebra II** **Year**  
**Credit: 1.0** **Grade levels: 10–11**

This course extends the study of topics introduced in Algebra I. The course emphases include linear, quadratic, exponential, logarithmic, polynomial, and rational functions and are examined through real world data investigations. Graphing calculators are an integral part of this course.

**11302 Honors Algebra II** **Year**  
**Credit: 1.0** **Grade levels: 10–11**

Course in intermediate algebra that emphasizes mastery of algebraic skills and an understanding of mathematics. This course covers the topics of course 11301, but in greater detail.

**11501 Pre Calculus** **Year**  
**Credit: 1.0** **Grade levels: 11–12**

Students learn to model changing situations algebraically and graphically with functions. Students use technology to facilitate study of functions. Topics include: algebraic functions (linear, quadratic, polynomial, and rational), transcendental functions (exponential, logarithmic, trigonometric), and functional concepts. These concepts include transformations, piece wise definition, continuity, local and global extrema, inverse of a function, composition of functions, and asymptotic relationships.

**11502 Honors Pre Calculus** **Year**  
**Credit: 1.0** **Grade levels: 11–12**

An application oriented, investigative mathematics curriculum in which students use technology to solve problems and enhance their understanding of mathematics. The central theme of this course is functions as models for real world behavior. This course introduces functions symbolically, numerically, graphically, and verbally. The course will lay a foundation to support future course work in mathematics.

**11412 Intro to Calculus** **Year**  
**Credit: 1.0** **Grade levels: 12**

Provides the fundamentals of differential and integral calculus. Topics include: limits, derivatives and integration of algebraic, logarithmic, and trigonometric functions, and applications using science, engineering, and real world problems. Students will use the graphing calculator.

**11406 AP Calculus AB** **Year**  
**Credit: 1.0** **Grade levels: 12**

This course covers the topics of 11401 but in detail. It is mandatory that students take the Advanced Placement Calculus exam.

**11532 Statistics AP** **Year**  
**Credit: 1.0** **Grade levels: 12**

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1.) Exploring Data: Describing patterns and departures from patterns, 2.) Sampling and Experimentation: Planning and conducting a study, 3.) Anticipating Patterns: Exploring random phenomena using probability and simulation, 4.) Statistical Inference: Estimating population parameters and testing hypotheses. Students who successfully complete the course and the AP exam may receive credit, advanced placement, or both for a one-semester introductory college statistics course. Prerequisites: Geometry and Algebra II.

## PHYSICAL EDUCATION & HEALTH

**07102 Health Ed I** **Semester**  
**Credit: 0.5** **Grade levels: 09–12**

Comprehensive health education course. The course is based on the seven Maryland State Department of Education focus areas. These areas are mental awareness, alcohol, tobacco & other drugs, consumer health, nutrition and fitness, first aid, safety & injury prevention, family life and human sexuality, and disease prevention & control.

**12623 Personal Fitness** **Semester**  
**Credit: 0.5** **Grade levels: 09–12**

The course will explore and promote health and fitness through classroom work and physical activity. The students will examine the connection between diet, exercise, and overall health. Fitness charts and personal fitness plans will be developed in combination with activities such as swimming, aerobics and weight training. Students will be graded on preparation, participation, test and quiz grades and a personal portfolio.

**12620 Coaching & Officiating I** **Semester**  
**Credit: 0.5** **Grade levels: 10–12**

The Coaching and Officiating course will benefit students who have an interest in the ever-growing business of sports. Through athletics, we will inspire and engage young people in a rigorous business and athletic curriculum. Students will be introduced to the sports management aspect of operating a success-

ful program. Each student will have the opportunity to coach, officiate, volunteer and plan an event as part of the course.

**12303 Dance III** **Year**  
**Credit: 1.0** **Grade levels: 10–12**

Prerequisite: 15507 Fine Art Dance II. Covers same topics as course 15508, but at a third-year level.

## SCIENCE

**13102 Honors Biology I** **Year**  
**Credit: 1.0** **Grade levels: 09**

This course includes the study of cellular structure, function and energy transfer; genetics; evolution, diversity and classification; and ecology. Students will perform laboratory investigations that study life processes, explain how organism adapt to meet the challenges of living in their environment, and demonstrate the relationship between structures and function and change over time. Students will be expected to demonstrate the ways of thinking and acting that are inherent in scientific practice. Students enrolled in this course must take and pass the HSA in order to graduate.

**13201 Chemistry I** **Year**  
**Credit: 1.0** **Grade levels: 10**

In this introductory chemistry course, students will demonstrate the ability to use scientific skills and processes to explain the composition and interactions of matter in the world in which we live. Students will study the periodic table, atomic structure, acids and bases, and chemical changes. Students will perform laboratory investigations to develop an understanding of the characteristics and quantitative relationships associated with matter.

**13202 Honors Chemistry I** **Year**  
**Credit: 1.0** **Grade levels: 10**

Course covers topics of 13201 but in greater detail.

**13301 Physics** **Year**  
**Credit: 1.0** **Grade levels: 11–12**

Prerequisite: Algebra I, Geometry. The study of physics emphasizes the relationship among matter, forces, and energy in the areas of dynamics, heat, light, sound, electricity, and magnetism. These topics are highlighted through demonstrations, laboratory activities, and problem-solving strategies. Students relate physics concepts and principles to everyday experiences as well as to societal concerns.

**13304 Honors Physics** **Year**  
**Credit: 1.0** **Grade levels: 11–12**

Prerequisite: Algebra II. Course covers topics of 13301 but in more detail.

**13407 Anatomy & Physiology** **Year**  
**Credit: 1.0** **Grade levels: 11–12**

Prerequisite: Biology I and Chemistry I. Anatomy and Physiology covers systems of the human body and the relationships among them. Anatomical models and illustrations help the students translate theoretical concepts into concrete descriptions. Laboratory investigations include the physiology and dissection of small mammals. *Must be taken with 13408 Genetics.*

**13408 Genetics** **Semester**  
**Credit: 0.5** **Grade levels: 11–12**

Prerequisite: Biology I, Chemistry I, Physics. Genetics covers the basic principles that govern the inheritance of physical traits as well as the genetic patterns of human inheritance. Causes, symptoms, and treatments of genetic disorders and syndromes are covered. Students study contemporary genetic issues including biotechnology and pre-natal diagnosis. **MUST BE TAKEN WITH FORENSIC SCIENCE.**

**13701 Forensic Science** **Semester**  
**Credit: 0.5** **Grade levels: 11–12**

Prerequisites: Biology 1, Chemistry I, Physics. Forensic science is the application of science to the law and encompasses various scientific disciplines. Topics discussed include chemical analysis of physical evidence, principles of genetics and DNA analysis, trajectories and applications of physics, ballistics, fingerprint and fiber analysis, drug analysis, and forensic entomology. This is an advanced level course which will include laboratory activities, lectures, research projects, and presentations. **MUST BE TAKEN WITH GENETICS.**

**13107 AP Biology** **Year**  
**Credit: 1.0** **Grade levels: 11–12**

Prerequisite: Biology 1 and Chemistry I. This course covers molecular biology explored through 8 major themes: science as a process, evolution, energy transfer, continuity and change, relationship of structure to function, regulation, interdependence in nature, and science, technology, and society. The course is conducted at the college level and students are expected to work accordingly. Lecture, laboratory experience, group work, and class discussions are primary means of in-class instruction. It is mandatory that students take Advanced Placement Biology exam.

---

## SOCIAL STUDIES

---

**10101 Modern World History** **Year**  
**Credit: 1.0** **Grade levels: 09**

World History is the study of the Western world since the end of the Middle Ages. Students examine significant ideas, beliefs, and themes. Particular emphasis is placed upon connecting time periods and events to a variety of social studies concepts such as political science, cultural studies, geography, and economics. The course places additional emphasis on the development of cross curricular and social studies skills and processes that will foster the students' ability to serve as responsible citizens of the community, nation, and world. In addition, the World History class introduces freshman students to skills such as note-taking strategies, writing a thesis-driven essay, previewing primary sources, and strengthening habits necessary to be academically successful.

**10201 American Govt.** **Year**  
**Credit: 1.0** **Grade levels: 10**

American Government presents a comprehensive and integrated overview of the current status of local, state, and national governments in the United States. Particular emphasis is placed upon connecting fundamental political science concepts to a variety of social studies topics from cultural studies, geography, economics, and history. In addition, the course emphasizes the development of cross curricular and social studies skills and processes that will nurture the students' capacity to serve as responsible citizens of the community, nation, and world. Students enrolled in this course must take and pass the HSA in order to graduate.

**10207 Honors American Government** **Year**  
**Credit: 1.0** **Grade levels: 10**

This course covers the same scope as 10201. This course will focus on skills that encourage students to think critically, to analyze and evaluate evidence, and to draw conclusions.

**10209 AP U.S. Government & Politics** **Year**  
**Credit: 1.0** **Grade levels: 10**

This course 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. politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics. It is mandatory that students take the Advanced Placement Test in U.S. Government.

**10301 U.S. History** **Year**  
**Credit: 1.0** **Grade levels: 11**

In the context of the history of the United States since the end of the Reconstruction Era, United States History students examine significant idea, beliefs, and themes; organized patterns and events; and analyze how the United States has changed over time since 1877. Particular emphasis is placed upon connecting time periods and events from modern American history to a variety of social studies concepts from political science, cultural studies, geography, and economics. The course places additional emphasis on the development of cross curricular and social studies skills and processes that will nurture the students' capacity to serve as responsible citizens of the community, nation, and world.

**10303 Honors U.S. History** **Year**  
**Credit: 1.0** **Grade levels: 11**

This course covers the same scope as 10301. This is an in-depth course that stresses major development, trends, and policies in the US way of life with the chronology of its evolution from a new nation to a world power. It aims to promote students' growth in historical-mindedness, to give students experience in analytical use of historical material through examination and assessment of varied interpretations.

**10304 AP U.S. History** **Year**  
**Credit: 1.0** **Grade levels: 11–12**

This course is a chronological study of US history with an emphasis on interpretation and analysis of both traditional and modern materials and particular attention given to the 19th and 20th centuries. An extensive bibliography will be used consisting of a wide range of primary and secondary source readings. Descriptive and analytical essays will be assigned regularly along with independent research projects. It is mandatory that students take the Advanced Placement US History Exam.

**10401 Psychology** **Year**  
**Credit: 1.0** **Grade levels: 11–12**

This course is an overview of the various components of behavior, learning & thinking, sense perception, the nervous system, and intelligence. In-depth studies of personality theories, frustration & anxiety, and behavior disorders are reviewed.

**10404 Sociology** **Year**  
**Credit: 1.0** **Grade levels: 11–12**

This course is an introduction to the basic elements of social structure such as primary groups and organizations, culture and society, socialization, social stratification, and social change.

**10505 Economics** **Year**  
**Credit: 1.0** **Grade levels: 11–12**

This course is an introduction to micro and macroeconomics. Topics included but not exclusive to economic markets, supply & demand, national debt, inflation & deflation, labor unions, international trade, comparative economic systems, money & banking, gross domestic product, the FED, and monetary policy. The course promotes an understanding of theory as applied to everyday life and requires students to define and analyze current economic issues. Critical thinking and advanced communication skills is expected and stressed.

**10500 Human Geography AP** **Year**  
**Credit: 1.0** **Grade levels: 11–12**

In AP Human Geography, students will be introduced to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. Topics of study include: population, cultural patterns and processes, political origins of space, urban and rural land use, and industrial and economic development.

---

## TECHNOLOGY EDUCATION, CAREER & TECHNOLOGY

---

**26108 Foundations of Technology** **Year**  
**Credit: 1.0** **Grade levels: 10–12**

Beginning in the 2007-08 school year, this is the only course students may elect to satisfy the Technology Education requirement. BCPSS has mandated this course; no description has yet been provided.

**20960 Principles of Biomedical Sci** **Year**  
**Credit: 1.0** **Grade levels: 10**

Prerequisite: enrollment in Project Lead the Way: Biomedical Science program. This is the first of 4 required courses in the program.

**20961 Human Body Systems** **Year**  
**Credit: 1.0** **Grade levels: 10–11**

Prerequisite: course 20960 Principles of Biomedical Sci. This is the second of 4 required courses in the program.

**20962 Medical Interventions** **Year**  
**Credit: 1.0** **Grade levels: 11–12**

Prerequisite: course 20961 Principles of Biomedical Sci. This is the third of 4 required courses in the program.

**20963 Biomedical Innovations** **Year**  
**Credit: 1.0** **Grade levels: 11–12**

Prerequisite: course 20961 Principles of Biomedical Sci. This is the fourth of 4 required courses in the program.

**21001 Human Growth & Development** **Year**  
**Credit: 1.0** **Grade levels: 10**

Prerequisite: enrollment in Teacher Academy. Course focuses on physical, emotional, cognitive, and social development from the prenatal period through adolescence. This is the first of four required courses for students in the Teacher Academy program. Students will begin to develop components of a pre-professional portfolio.

**21002 Teaching as a Profession** **Year**  
**Credit: 1.0** **Grade levels: 11**

Prerequisite: course 21001, Human Growth & Development. Course focuses on the teaching profession: its history, purposes, current issues, ethics, law, and requirements, as well as the different roles of the teacher. Students will continue developing components of a pre-professional portfolio

**21003 Found. of Curriculum & Instr.** **Year**  
**Credit: 1.0** **Grade levels: 12**

Prerequisite: course 21002, Teaching as a Profession. Course focuses on the development of varied instructional materials and activities that promote learning and classroom management. Students will explore basic theories of motivation that increase learning. Students will continue developing components of a pre-professional portfolio.

**21004 Education Academy Internship** **Year**  
**Credit: 1.0** **Grade levels: 12**

Prerequisite: course 21002, Teaching as a Profession. This internship is the culminating course in the Teacher Academy program. Students will have an opportunity to integrate content and pedagogical knowledge. Under the supervision of mentor teachers, students will extend and apply their knowledge about teaching in classroom settings. Students will complete their portfolio and present it for critique.

**24301 IT Essentials: Fundamentals** **Year**  
**Credit: 1.0** **Grade levels: 11**

This is the second course in the IT Networking (Cisco) program, following 24301.

**24302 IT Essentials Advanced** **Year**  
**Credit: 1.0** **Grade levels: 11**

This is the second course in the IT Networking (Cisco) program, following 24301.

**24228 CCNA Discovery I** **Year**  
**Credit: 1.0** **Grade levels: 12**

This is the third course in the IT Networking (Cisco) program.

**26226 Robotics I** **Year**  
**Credit: 1.0** **Grade levels: 10–12**

The Robotics course is an introduction to engineering using hands-on activities to prepare our students for the real world development of 21st century skills; teamwork, problem solving, ideation, project management, communications, leadership. Students work together on a project from inception to completion. The culminating activity will be a robotics competition in Annapolis, MD.

---

## WORLD AND CLASSICAL LANGUAGES

---

**06200 Honors Spanish I** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

The emphasis of Spanish I Honors is to build upon basic vocabulary and grammatical structures in order to promote spoken and written competence at a level beyond that of an early beginner. Students will use a variety of controlled and open-ended writing activities to achieve proficiency. New material is presented in ways that increase communicative functions.

**06201 Spanish I** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

In Level I, students develop the foundation skills necessary to communicate in the target language. The Level I course emphasizes listening and speaking. From the earliest days of the course, students will speak in the target language with the teacher as well as with one another in a variety of grouping and pairings. The course provides students with the basic vocabulary, grammar, cultural information, and other skills necessary to discuss their lives and surroundings in a meaningful way on a basic level using simple sentence structure and familiar learned vocabulary. The ultimate goal of the course is communicative compe-

tence in the target language. Throughout the course, students will engage in a variety of activities designed to promote proficiency.

**06203 Spanish II** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Prerequisite: Spanish I. In Level II, the emphasis on mastering the basic elements of the target language gradually gives way to a more content-based language-learning environment. Using the target language to explore content becomes the vehicle by which students achieve increased proficiency in the target language through a linguistic, communicative, and cultural approach to language learning. In Level II, there is the continued emphasis on listening and speaking in the target language. In addition, a new focus on reading and writing in the target language will be emphasized. Throughout the course, students will engage in real-life applications to attain proficiency in the target language and assist in fostering a cross-cultural understanding.

**06206 Honors Spanish II** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Prerequisite: Spanish I. Students of Spanish II Honors will be able to use previously learned knowledge to discuss ideas and expand concepts in order to speak more naturally and spontaneously. Students will progress from directed writing to more creative expression. Reading skills will be taught in such a manner that will ensure that students will be able to read with the purpose of finding answers to questions and reasons for actions and events.

**06207 Spanish III** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Prerequisite: Spanish II. In Level III, the content-based learning environment lends itself to the refinement and extension of the basic elements of the target language. Students continue to develop their proficiency in the various modes of communicative competence. The focus of the course is to have students communicate using more complex structures of the target language on a variety of topics in which they move from concrete to more abstract ones. In addition to this focus, by the end of their study, students will be able to comprehend the main ideas of the authentic materials that they read and hear and are able to identify significant details of topics that are familiar.

**06208 Honors Spanish III** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Prerequisite: Spanish II. Students will be presented with activities that will provide the optimum speaking experiences for them. The use of various grouping techniques will facilitate this procedure. Students will be required to read, skim, draw inferences, and determine the main idea. A continuation of more in-depth writing and communicating skills will be explored.

**06210 Honors Spanish IV** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Prerequisite: Spanish III. Students of Spanish IV Honors will be introduced to higher level reading materials including historical events, literary writings, and current social events. There are a variety of reading and writing formats coordinated with the themes of the units. Speaking and listening skills will be accelerated to a level so as to prepare students for college level coursework or other advanced classes.

**06212 Spanish IV** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Prerequisite: Spanish III. In Level IV, students are in the final stages of their high school language learning training and have had substantial course work in the target language. Students at this level should have proficiency of the grammar and vocabulary of the target language. In addition, they should have competence in listening, speaking, reading and writing. Level IV students seek to develop language skills that can be utilized across the curriculum. Extensive training in organizing and writing compositions should be emphasized so that at the completion of this course, students will be able to receive a 3 or better on the Advanced Placement Examination.

**06215 AP Spanish Lang** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Prerequisite: Spanish IIIH or IVH, teacher recommendation. AP Spanish Language is intended for students who wish to develop proficiency and integrate their language skills using authentic materials and sources. Students who enroll should already have a basic knowledge of the language and cultures of Spanish-speaking peoples and should have attained a reasonable proficiency in using the language. The AP Spanish Language course should help prepare students to demonstrate their level of Spanish proficiency across three communicative modes (Interpersonal [interactive communication], Interpretive [receptive communication], and Presentational [productive communication]), and the five goals

areas (Communication, Cultures, Connections, Comparisons, and Communities). The course is meant to be comparable to fifth and sixth semester (or equivalent) college and university courses that focus on speaking and writing in the target language at an advanced level.

**06602 Honors Russian I** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

In Level I, students develop the foundation skills necessary to communicate in the target language. The Level I course emphasizes listening and speaking. From the earliest days of the course, students will speak in the target language with the teacher as well as with one another in a variety of grouping and pairings. The course provides students with the basic vocabulary, grammar, cultural information, and other skills necessary to discuss their lives and surroundings in a meaningful way on a basic level using simple sentence structure and familiar learned vocabulary. The ultimate goal of the course is communicative competence in the target language. Throughout the course, students will engage in a variety of activities designed to promote proficiency.

**06604 Honors Russian II** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Prerequisite: Russian I Honors. In Level II, the emphasis on mastering the basic elements of the target language gradually gives way to a more content-based language-learning environment. Using the target language to explore content becomes the vehicle by which students achieve increased proficiency in the target language through a linguistic, communicative, and cultural approach to language learning. In Level II, there is the continued emphasis on listening and speaking in the target language. In addition, a new focus on reading and writing in the target language will be emphasized. Throughout the course, students will engage in real-life applications to attain proficiency in the target language and assist in fostering a cross-cultural understanding.

**06605 Honors Russian III** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Prerequisite: Russian II Honors. In Level III, the content-based learning environment lends itself to the refinement and extension of the basic elements of the target language. Students continue to develop their proficiency in the various modes of communicative competence. The focus of the course is to have students communicate using more complex structures of the target language on a variety of topics in which they move from concrete to more abstract ones. In addition to this focus, by the end of their study, students will be able to comprehend the main ideas of the authentic materials that they read and hear and are able to identify significant details of topics that are familiar.

**06607 Honors Russian IV** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Prerequisite: Russian III Honors. In Level IV, students are in the final stages of their high school language learning training and have had substantial course work in the target language. Students at this level should have proficiency of the grammar and vocabulary of the target language. In addition, they should have competence in listening, speaking, reading and writing. Level IV students seek to develop language skills that can be utilized across the curriculum. Extensive training in organizing and writing compositions should be emphasized so that at the completion of this course, students will be able to receive a 3 or better on the Advanced Placement Examination.

**06702 Honors Chinese I** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

In Level I, students develop the foundation skills necessary to communicate in the target language. The Level I course emphasizes listening and speaking. From the earliest days of the course, students will speak in the target language with the teacher as well as with one another in a variety of grouping and pairings. The course provides students with the basic vocabulary, grammar, cultural information, and other skills necessary to discuss their lives and surroundings in a meaningful way on a basic level using simple sentence structure and familiar learned vocabulary. The ultimate goal of the course is communicative competence in the target language. Throughout the course, students will engage in a variety of activities designed to promote proficiency.

**06704 Honors Chinese II** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Prerequisite: Chinese I Honors. In Level II, the emphasis on mastering the basic elements of the target language gradually gives way to a more content-based language-learning environment. Using the target language to explore content becomes the vehicle by which students achieve increased proficiency in the target language through a linguistic, communicative, and cultural approach to language learning. In Level II, there is the continued emphasis on listening and speaking in the target language. In addition, a new focus on reading and writing

in the target language will be emphasized. Throughout the course, students will engage in real-life applications to attain proficiency in the target language and assist in fostering a cross-cultural understanding.

**06705 Honors Chinese III** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Prerequisite: Chinese II Honors. In Level III, the content-based learning environment lends itself to the refinement and extension of the basic elements of the target language. Students continue to develop their proficiency in the various modes of communicative competence. The focus of the course is to have students communicate using more complex structures of the target language on a variety of topics in which they move from concrete to more abstract ones. In addition to this focus, by the end of their study, students will be able to comprehend the main ideas of the authentic materials that they read and hear and are able to identify significant details of topics that are familiar.

**06709 Honors Chinese IV** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Prerequisite: Chinese III Honors. In Level IV, students are in the final stages of their high school language learning training and have had substantial course work in the target language. Students at this level should have proficiency of the grammar and vocabulary of the target language. In addition, they should have competence in listening, speaking, reading and writing. Level IV students seek to develop language skills that can be utilized across the curriculum. Extensive training in organizing and writing compositions should be emphasized so that at the completion of this course, students will be able to receive a 3 or better on the Advanced Placement Examination.

**06500 Honors Latin I** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

**06505 Honors Latin II** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

**06901 Beginner ESOL** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Prerequisite: Course placement determined by ESOL teacher.

**06902 Intermediate ESOL** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Prerequisite: Course placement determined by ESOL teacher.

**06903 Advanced ESOL** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Prerequisite: Course placement determined by ESOL teacher.

**06908 H.S. ESOL IV-B** **Year**  
**Credit: 1.0** **Grade levels: 09–12**

Prerequisite: Course placement determined by ESOL teacher.