

# *NORTHWESTERN HIGH SCHOOL*



*COURSE GUIDE  
2011-2012*



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## **GENERAL INFORMATION**

### **High School Graduation Credit for Middle School Coursework**

Middle School students taking Algebra I or above and Foreign Languages, Level 1 or above, will receive one credit toward high school graduation for each course successfully completed during middle school. Middle School courses eligible for high school credit, indicated in the credits information, are:

Algebra 1, Geometry, French 1 and 2, Italian 1 and 2, Japanese 1, Latin 1, Spanish 1 and 2, and Spanish for Native Speakers Level 2. Credits and grades will be posted to the permanent record immediately upon successful completion.

### **Changes in Schedule**

It is very difficult to make satisfactory adjustments in your schedule at the last moment. Your selections should be considered final. Requests for schedule changes will be honored only under extenuating circumstances. Only in unusual circumstances will schedule changes be made after the fourth week in either semester.

Requests for schedule changes will be considered for the following reasons only:

- I. Course prerequisites not met.
- II. Seniors needing specific courses to meet Maryland graduation requirements.
- III. To correct an obvious error;
- IV. Failing or non-qualifying grades in summer school courses;
- V. Authentic, documented health reasons; and
- VI. Certain circumstances requiring administrative approval.

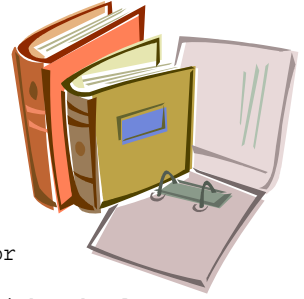
### **Standards Set by 2.0 Eligibility Rule in Schools**

In order for students to participate in extracurricular activities, the Board of Education of Prince George's County Public Schools requires students in grades 9 through 12 to earn an overall quarterly QPA of at least 2.00 for the quarter preceding the start or the continuation of participation in extracurricular activities. Also, students may not have any E's on their report cards.

If a course is repeated in summer or evening school, the new grade will replace the existing grade for purposes of determining eligibility only. A full-credit course taken in summer school counts twice for purposes of determining eligibility.

Extracurricular activities are defined as all activities except those in which student participation is necessary to receive a grade in a specific course in which the student is currently enrolled.

The 2.00 policy applies to all high school students with the exception of individual special education students who have been exempted by the local school MDT (Multi Disciplinary Team) Committee.





## High School Graduation Requirements

Total Credits Required = 21  
(4 credits must be earned after completion of Grade 11)

### Mathematics 3 credits

- 1 in Algebra/Data Analysis
- 1 in Geometry
- 1 additional mathematics credit

### Science 3 credits

- 1 in Biology
- 2 additional credits that must include laboratory experience in any or all of the following areas: earth science, life science, physical science

### Social Studies 3 credits

- 1 in U.S. History
- 1 in Local, State, National Government
- 1 in World History

### OTHER REQUIREMENTS

- Fine Arts 1 credit
- Personal Fitness .50 credit
- Health .50 credit
- Foundations of Technology 1 credit
- Completer and Electives (See next page for options at Northwestern.)
  1. 2 credits of foreign language (must be the same language) and 3 credits in electives OR
  2. 2 credits of advanced technology education and 3 credits in electives OR
  3. Complete a State-approved career and technology program and any remaining credits in electives
- Attendance: 4 years of study beyond grade 8 (unless on approved option).
- Student Service: Complete 36 hours of Community Service.

### HIGH SCHOOL ASSESSMENT REQUIREMENTS

Students must take the Maryland High School Assessment for:

- English 10 (passing score 396),
- Algebra/Data Analysis (passing score 412),
- Biology (passing score 400) and
- Government (passing score 394).

The student must achieve one of the following:

- (1) the passing score on each test,
- (2) a combined overall score of 1602,
- (3) a specific score on an MSDE-approved comparable assessment(s), or
- (4) a passing score on the four HSA by a combination of (1) and (3).

Completer Programs



**You must have a completer program to graduate.  
Your options are listed below.**

<p align="center"><u>Academy of Finance</u></p> <ol style="list-style-type: none"> <li>1. Introduction to Financial Services</li> <li>2. Banking and Credit</li> <li>3. College Accounting</li> <li>4. Intro to Invest &amp; Insurance</li> <li>5. Financial Planning</li> <li>6. International Finance</li> <li>7. Economics and World of Finance</li> </ol>	<p align="center"><u>Project Lead The Way</u></p> <ol style="list-style-type: none"> <li>1. Intro To Engineering Design</li> <li>2. Principles of Engineering</li> <li>3. Digital Electronics</li> <li>4. Civil Engineering</li> <li>5. Engineering Design and Development</li> </ol>
<p align="center"><u>Accounting and Finance</u></p> <ol style="list-style-type: none"> <li>1. Principles of Business Administration</li> <li>2. Financial Management</li> <li>3. Accounting 1</li> <li>4. Advanced Accounting</li> </ol>	<p align="center"><u>Television Production</u></p> <ol style="list-style-type: none"> <li>1. Television Production 1</li> <li>2. Television Production 2</li> <li>3. Television Production 3</li> </ol>
<p align="center"><u>Business Management</u></p> <ol style="list-style-type: none"> <li>1. Principles of Business Administration</li> <li>2. Financial Management</li> <li>3. Accounting 1</li> <li>4. Entrepreneurship 1</li> <li>5. Entrepreneurship 2</li> </ol>	<p align="center"><u>Child Growth and Development</u></p> <ol style="list-style-type: none"> <li>1. Child Development 1</li> <li>2. Child Development 2</li> <li>3. Child Development 3 Internship</li> </ol>
<p align="center"><u>Career Research and Development</u></p> <ol style="list-style-type: none"> <li>1. CRD 1</li> <li>2. CRD 2 Class</li> <li>3. CRD 2 Work</li> </ol>	<p align="center"><u>Foreign Language</u></p> <ol style="list-style-type: none"> <li>1. Foreign Language</li> <li>2. Foreign Language</li> </ol> <p>(Must have 2 years of the same Language.)</p>
<p align="center"><u>NJROTC</u></p> <ol style="list-style-type: none"> <li>1. NJROTC 1</li> <li>2. NJROTC 2</li> <li>3. NJROTC 3</li> <li>4. NJROTC 4</li> </ol>	<p align="center"><u>Computer Graphics</u></p> <ol style="list-style-type: none"> <li>1. Comp Graphics 1</li> <li>2. Comp Graphics 2</li> </ol>



## College Admissions Tests

Your high school academic record is a good indicator of your potential for success in college. However, because high schools throughout the country differ widely in course offerings, academic standards, and grading policies, colleges need some standard measure of academic ability when they compare the applications of candidates for admission. Colleges in the admissions process use scores on the college entrance tests, along with your academic and extracurricular record. Tests give you an opportunity to display your knowledge. Students have the responsibility of registering for college entrance tests. High school counselors will assist students in test selection and registration.

**PSAT/NMSQT:** The Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test is a two-hour test administered in October of each year. It is designed to aid high school sophomores and juniors in planning for college and to serve juniors wishing to be considered for scholarships administered by the National Merit Scholarship Corporation. This examination provides an early measure of the verbal and mathematical abilities tested by the SAT.

**SAT:** The Scholastic Assessment Tests measures mathematical, verbal and writing skills. Scores on this four-hour test allow you to compare yourself in these areas with other college-bound students. Students are encouraged to take the SAT I in the spring of their junior year, especially if they are considering academy appointments, ROTC programs, early admission programs at colleges and universities, and special scholarship programs. Maryland private and state four-year colleges/universities accept SAT I for admission.

**TOEFL:** The Test of English as a Foreign Language is designed to measure the level of English proficiency of individuals whose native language is not English. Many colleges and universities require foreign students to submit TOEFL scores as a part of the application process. The test is divided into three parts and measures important language skills.

**ACT:** The American College Test is a three-hour examination given five times during the school year. It consists of four tests in the areas of English, social studies, mathematics, and the natural sciences. Scores are reported in each of these areas along with a composite score. University System of Maryland schools accept either ACT or SAT II scores.

**SAT II:** SAT II are one-hour examinations which measure what you have learned in one of fifteen specific subjects in the areas of English, social studies, science, mathematics and language. All colleges do not require SAT II scores as a part of the admissions process. In some instances, only scholarship applicants may be required to take specific tests. Consult the catalog of the college being considered to be sure which tests, if any, are required.

## **NORTHWESTERN ACADEMY PROGRAMS**

Northwestern currently offers the following Academy Programs:

1. NJROTC Academy
2. Academy of Business and Finance
3. International Studies Academy
4. Project Lead The Way Engineering Academy
5. Jim Henson Performing Arts Academy

The Academy model :

- Allows for smaller learning environments
- Provides challenging and exciting courses which will enable students to make connections between academic subjects and careers
- Offers partnerships with employers, the community and local colleges, giving students the opportunity for internships, job shadowing, mentoring experiences and apprenticeships.

### **NJROTC Academy**

The goal of the Junior Reserve Officer Training Corps (JROTC) is to provide secondary school students the opportunity to become informed, responsible citizens prepared for high school graduation. The curriculums focus on academics including United States military history; exploration of national security issues; the study of meteorology and astronomy; communications and advanced technologies employed by the Armed Services; navigation and survival skills; healthy lifestyles and physical fitness; organizational skills and financial management; career exploration in a wide variety of fields (both military and nonmilitary) and the foundations of responsible leadership. Cadets learn and continue to develop leadership skills and application of military courtesies and customs as they complete each year of their JROTC programs. The curriculum is structured for success in high school and beyond. Through the demonstration of discipline, honor, self-respect, and commitment cadets gain increasing responsibilities within their programs. JROTC cadets and units must complete civic action projects and community service. The program also provides field trips to historical military sites and institutions; visits to colleges/universities and military academies to increase awareness and opportunities; and participation on one of the various Drill Teams could include travels to neighboring counties, states, and possibly to competitions held nationwide. The programs provide college scholarships and Military Academy appointment opportunities for qualified cadets. With the completion of specific requirements several courses within the JROTC curriculum can earn cadets college credits through the University of Colorado at Colorado Springs. Students who successfully complete a minimum of three years of the JROTC program and qualify to enter the active duty military service receive pay/rank increases of two grades above non-JROTC recruits.



**School Coordinator: Captain Robert Davis**

See page 50 for courses and descriptions.

## Business and Finance Academy

Consider The Academy of Finance if you enjoy competition and influencing the opinions of others, like working with facts, numbers and data, enjoy detail-oriented task and speaking and writing accurately, initiating and organizing events and groups of people, are comfortable following rules and directions of others and like contacts with all kinds of people and have a mind for business.

The Academy of Finance (AOF) is a program that prepares students for a career in the Financial Services Industry. The Academy of Finance is a national program established by Industry to develop students with the skills and knowledge to succeed in this fast-paced growth area of business. The goals of the Academy of Business and Finance are to prepare students for the demands of high tech jobs in the 21<sup>st</sup> century global workplace by ensuring that they have a strong academic foundation and the ability to think critically and to make sound business decisions. The program provide students with a broad understanding of business so that they can adapt to the ever-changing world of business and finance and expose students to current business practices. The program also impart to students the importance of staying in the forefront of technological changes and other factors that may impact their career choice; and create life-long learners who are not afraid to stretch their knowledge to become business leaders as well as business owners.

**School Coordinator: Marie Sims**

### Academy Courses:

- Financial Services 1 and 2
- Economics and World Finance/ Securities and Insurance
- Computer Applications/ Web Design
- College Accounting
- Banking and Credit/ Financial Planning
- International Finance/ Business Law

(See pages 30-33 for course descriptions.)



### Sample Careers

Accountant (CPA)  
Administrative Assistant  
Advertising Coordinator  
Auditor  
Bank Clerk  
Business Manager  
Customer Service Specialist

Data Entry Operator  
Financial Specialist  
Loan Officer  
Manager  
Medical Secretary  
Office Manager  
Personnel Director

Public Relations Director  
Real Estate Agent  
Retail/Food Service  
Stock Broker  
System Analyst  
Travel Agent

## International Studies Academy

Consider the **International Studies Academy** if you either like to help others learn and grow, are interested in social and cultural issues and making a difference, get along with people, can handle crises and are interested in ensuring public safety OR if you enjoy providing a service and meeting the needs of others, can work independently and make decisions, like contact with all kinds of people and have a mind for business priorities and customer service.

**School Coordinator: Amber Heller**

### Sample Careers

Archaeologist  
Chef/Baker  
Child Care Worker  
Clergy  
Correctional Officer  
Correspondent  
Counselor  
Court Clerk  
Economist

Education  
FBI Agent  
Firefighter  
Foreign Service  
International Banking  
International Business  
Interpreter  
Judge  
Law Enforcement Officer

Lawyer  
Mental Health Worker  
Paralegal  
Psychologist  
Public Administrator  
Social Worker  
Substance Abuse Counselor  
Teacher  
Translator



## Project Lead The (PLTW) Engineering Academy

Consider the Engineering Academy if you enjoy math, science, working with a team, problem solving, hands-on projects, researching, communicating with others and brainstorming for ideas. This Academy introduces you to the scope, rigor and discipline involved in pursuing an Engineering major in College.

**School Coordinator: Brian Evans**

### Academy Courses

Introduction to Engineering Design  
Principles of Engineering  
Civil Engineering and Architecture  
Digital Electronics  
Engineering Design and Development

(See page 34-35 for course descriptions.)



### Sample Careers

Aerospace Engineer  
Agricultural Engineer  
Architect  
Automotive Engineer  
Biomedical Engineer  
Chemical Engineer  
Civil Engineer

Computer Engineer  
Drafter  
Electrical Engineer  
Industrial Engineer  
Marine Engineer  
Materials Engineer  
Mechanical Engineer

Mining Engineer  
Naval Engineer  
Nuclear Engineer  
Petroleum Engineer  
Surveyors  
Systems Engineer

## Jim Henson Academy

Consider the Jim Henson Academy if you are creative and innovative, enjoy participating in music, theater or dance activities, or like to express yourself through writing, designing, photography or performance.

**School Coordinator: Leona Lowery Hawkins.**

(See pages 47-49 and 52-56 for course descriptions.)



### Sample Careers

Actor/ actress  
Architect  
Anchor  
Art therapist  
Artist  
Art Director  
Author  
Broadcast Technician  
Cartoonist  
Cinematographer

Composer/ Arranger  
Computer Graphic Artist  
Dancer  
Drama/ Theater Director  
Entertainer  
Fashion/ Interior Designer  
Gallery Manager  
Illustrator  
Journalist  
Museum Curator

Musician  
Painter  
Photographer  
Potter  
Sculptor  
Singer  
Stage and Set Designer  
Television Camera Person  
Vocalist



## English

### **English 9 103923 (Taken with AL 103953)**

Prerequisites: Grade 8 English

Credits: 1.0 English

This required course will help students develop strategies for reading comprehension and will improve their vocabulary, language usage skills, and writing skills. Students will also use critical reading and thinking skills to analyze fiction (including novels) and non-fiction literary genres from world literature. Students will have extensive opportunities to respond to Selected Response questions reflective of the format and content of the required English assessment.

### **English 9 Accelerated Learning (AL) 103953**

Prerequisites: Concurrent enrollment in English 9

Credits: 1.0 Elective

English 9 AL provides students with additional instructional support to ensure that they are successful on the required English assessment.

### **Honors English 9 103093 (Taken with Critical Reading 582003)**

Prerequisites: 3.0 or above in English 8 or Hon English 8; MSA reading score: Advanced

Credits: 1.0 English

This course is designed for identified selected highly able students who have met the prerequisites. The course will further develop student reading and writing skills (See English 9) by enhancing the depth and complexity of the core curriculum. Students will use critical thinking skills in analyzing advanced/above-grade level texts. Course work will include advanced novel study, a research/essay paper, and preparation for AP English.

### **Critical Reading 582003 (Taken with English 9 Honors)**

Prerequisites: MSA Reading Score of Proficient

Credits: 1.0 Elective

This course is designed to assist students in developing reading strategies so they may perform at high proficiency levels in the content areas. Students will explore strategies for extending vocabulary, improving comprehension and developing study techniques. Opportunities to transfer techniques to varied materials and to select leisure reading materials will also be provided.

### **English 9 Co-Teach 103973 (Taken with AL 103963)**

Prerequisites: IEP

Credits: 1.0 English

This course fulfills the English 9 requirement and is designed to facilitate learning outcomes appropriate to the instructional needs of students who can benefit from strategies based on individual learning styles and needs. The general education teacher will teach this class in collaboration with a special educator in order to ensure that all students have access to the English 9 curriculum (see English 9 above).

### **English 9 Co-Teach Accelerated Learning (AL) 103963**

Credits: 1.0 Elective

Concurrent Enrollment Course: English 9 AL provides students with additional instructional support to ensure that they are successful on the required English assessment.



**English 9 Intensive 103983 (Taken with AL 103983)**

Prerequisites: IEP  
Credits: 1.0 English

This course fulfills the English 9 requirement and is designed to facilitate learning outcomes appropriate to the instructional needs of students who can benefit from strategies based on individual learning styles and needs. This course will assist students with development of reading and communication skills. Specific attention will be given to writing narrative and explanatory paragraphs and locating the main idea. Students receive instruction and remediation of basic reading and writing competencies in preparation for the HSA. In addition, modified course content will be delivered in small instructional groupings to diverse learners with disabilities.

**English 9 Intensive Accelerated Learning (AL) 103983**

Prerequisites: Concurrent enrollment in English 9 Intensive  
Credits: 1.0 Elective

English 9 AL provides students with additional instructional support to ensure that they are successful on the required English assessment.

**English 10 104523 (Taken with AL 104553)**

Prerequisites: English 9  
Credits: 1.0 English

This required course builds on students' abilities in reading, writing, listening and speaking through exploration of the guiding ideas or themes in a variety of fiction (including novels) and non-fiction literature. Elements of literature will be studied to enhance analysis and comprehension of texts. Students will also have reading and writing experiences, with an emphasis on reading informational text. Students will have extensive opportunities to respond to selected response questions reflective of the format and content of the required English assessment.

**English 10 Accelerated Learning (AL) 104553**

Prerequisites: Concurrent enrollment in English 10  
Credits: 1.0 Elective

English 10 AL provides students with additional instructional support to ensure that they are successful on the required English assessment.

**Honors English 10 104093 (Taken with Critical Reading 583003)**

Prerequisites: 3.0 or above in English 9 (Honors); Advanced Reading Score  
Credits: 1.0 English

This course is designed for identified selected highly able students who have met the prerequisites. The thrust of the course is on world literature, with comparisons of literary selections from the periods of classical mythology, the ancient world, the middle ages, the Renaissance, the Enlightenment, the Romantic Period, and the twentieth century. Writing and grammar skills are incorporated in the study of literature, and the seminar approach is introduced. Course work will include advanced novel study, a research/essay paper, and preparation for AP English.

**Advanced Critical Reading/Critical Analysis 583003 (Taken with English 10 Honors)**

Prerequisites: Concurrent Enrollment in English 10 Honors  
Credits: 1.0 Elective

This course offers students an opportunity to engage in high-level reading and writing activities that develop critical analysis skills through instruction and practice. Course content includes selected readings of various genre and response to reading in writing and discussion.



**English 10 Co-Teach 104573 (Taken with AL 104673)**

Prerequisites: IEP  
Credits: 1.0 English

This course fulfills the English 10 requirement and is designed to facilitate learning outcomes appropriate to the instructional needs of students who can benefit from strategies based on individual learning styles and needs. The general education teacher will teach this class in collaboration with a special educator in order to ensure that all students have access to the English 10 curriculum (See English 10 above.)

**English 10 Co-Teach Accelerated Learning (AL) 104673**

Prerequisites: Concurrent enrollment in English 10 Co-Teach  
Credits: 1.0 Elective

English 10 Co-Teach AL provides students with additional instructional support to ensure that they are successful on the required English assessment.

**English 10 Intensive 104583 (Taken with AL 104683)**

Prerequisites: IEP  
Credits: 1.0 English

This course fulfills the English 10 requirement and is designed to facilitate learning outcomes appropriate to the instructional needs of students who can benefit from strategies based on individual learning styles and needs. This course continues development and improvement of students' skills in reading, writing and communication. Students study various forms of literature, with emphasis on selected, literary classics. Instruction and remediation are provided for students preparing for the MSA. Modified course content will be delivered in small instructional groupings to diverse learners with disabilities.

**English 10 Intensive Accelerated Learning (AL) 104683**

Prerequisites: Concurrent Enrollment in English 10 Intensive  
Credits: 1.0 Elective

Concurrent Enrollment Course: English 10 Intensive AL provides students with additional instructional support to ensure that they are successful on the required English assessment.

**English 11 105503**

Prerequisites: English 10  
Credits: 1.0 English

This required course gives the students an opportunity to explore a thematic approach to the ideas found in the range of our national writing from the Puritan Period to the Twentieth Century. The course reflects the continued diversity inherent in our society as various literary genres (poetry, short story, novel and drama) are shared using all facets of language arts-listening, speaking, reading, and writing. Vocabulary and critical reading reflective of P/SAT will also be included. The study of language will be incorporated into this year-long course.

**Honors English 11 105093**

Prerequisites: 3.0 or above in English 10 or Honors English 10; Advanced reading score  
Credits: 1.0 English

This course is designed for identified selected highly able students who have met the prerequisites. The units cover the Colonial period through the twentieth century. Lessons and units include activities that stress composition techniques such as analogy, classification, induction and deduction. There are also lessons that require an analysis of a writer's style. A seminar approach is used as a means of studying several major authors.

**English 11 Intensive 105583**

Prerequisites: IEP  
Credits: 1.0 English

This course continues development and improvement of students' skills in reading, writing and communication. Reinforcement of basic language skills continues, as well as appreciation for various literary forms. In addition, modified course content will be delivered in small instructional groupings to diverse learners with disabilities.

**English 12 106503**

Prerequisites: English 11  
Credits: 1.0 English

This course gives the students an opportunity to explore a thematic approach to the universal ideas found in world literature, literature of the Commonwealth, and British literature. Selected fiction, non-fiction, poetry, and drama will be explored using all facets of language arts - listening, speaking, reading, and writing. Vocabulary and critical reading reflective of the SAT will also be included. The course includes the study of language usage and the writing process.

**English 12 Intensive 106583**

Prerequisites: IEP  
Credits: 1.0 English

Communication skills of listening, speaking, reading and writing are emphasized as related to the world of work. Students learn techniques of job interviewing, writing resumes and completing job applications. In addition, modified course content will be delivered in small instructional groupings to diverse learners with disabilities.

**Advanced Placement English Language and Composition 105193 (Taken with Seminar)**

Prerequisites: 3.0 or above in English 10 (Honors); Advanced Reading Score  
Credits: 1.0 English; Weighted

This course is designed for identified selected highly able students who have met the prerequisites. It is possible to earn credit for introductory college courses in many areas if students can demonstrate facility and skill in the course subject matter. College bound students who pass the AP exam can gain exemption from introductory English courses. Designed to prepare students to compete successfully in Advanced Placement, this course will present challenging reading and writing experiences similar to those on advanced placement tests and will use language and writing experiences similar to those found on the AP language test. There will be extensive reading and writing opportunities with an emphasis on analysis of language. Students completing the course are encouraged to take the Advanced Placement examination.

**Seminar in AP English Language and Composition 105203**

Prerequisites: 3.0 or above in English 10 or Honors English  
Credits: 1.0 Elective

This course will provide students with intensive assistance in the concepts and skills tested by the AP English Language and Composition exam. This course prepares students who require additional practice, guidance, and experiences beyond those available in their standard AP English Language and composition course preparing them for success on the AP English Language and Composition exam, possible exemption from freshman composition, and/or undergraduate elective credit, and for effective reading and writing in college and beyond.



**Advanced Placement English Literature and Composition 132193 (Taken with Seminar)**

Prerequisites: 3.0 or above in English 11 or Honors English 11

Credits: 1.0 English; Weighted

This course is designed for identified selected highly able students. It is possible to avoid taking introductory college courses in many areas if students can demonstrate facility and skill in the course subject matter. College bound students who pass the AP exam can gain exemption from introductory English courses. Designed to prepare students to compete successfully in advanced placement, this course will present challenging reading and writing experiences similar to those on advanced placement tests and will use literature similar to that found on the test. There will be extensive reading and writing opportunities, focusing on literary analysis. It is hoped that all students taking the course will also take the Advanced Placement examination.

**Seminar in AP English Literature and Composition 132203**

Prerequisites: 3.0 or above in English 10 or Honors English

Credits: 1.0 Elective

This course will provide students with intensive assistance in the concepts and skills tested by the AP English Literature and Composition exam. This course prepares students who require additional practice, guidance, and experiences beyond those available in their standard AP English Literature and composition course preparing them for success on the AP English Literature and Composition exam, possible exemption from freshman composition, and/or undergraduate elective credit, and for effective reading and writing in college and beyond.

**Critical Reading (READ 180) 584003 (General), 584083 (IEP Required)**

Prerequisites: MSA reading score of Basic or At-Risk

Credits: 1.0 Elective (Meets A day and B day)

READ 180 is an intensive reading intervention program designed to meet the needs of students whose reading achievement is below grade level. The program directly addresses individual needs through adaptive and instructional software, high-interest literature, and direct instruction in reading. Recommended as a 90-minute course of study daily.

**Drama 1 129003**

Prerequisites: None

Credits: 1.0 Fine Art

Drama 1 is the introductory course in a three-course series designed to introduce and develop skills and experiences useful to students having an interest in and/or an aptitude for drama.

**Drama 2 129103**

Prerequisites: Drama 1

Credits: 1.0 Fine Art

Drama 2 is the second course in a three-course series during which the students will experience techniques of oral interpretation, the nature of technical theater, and study theatre history to Elizabethan times.

**Drama 3 129203**

Prerequisites: Drama 2

Credits: 1.0 Fine Art

Drama 3 is the last course in a three-course series designed to provide students with both literary features of drama and hands-on experiences with practices that help drama come alive on the stage.



**Yearbook 121223**

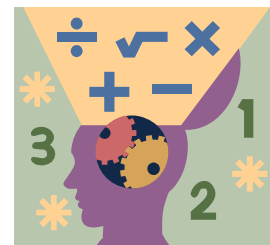
Prerequisites: None  
Credits: 1.0 Elective

Problems and procedures necessary to the development, printing, and distribution of a yearbook form the basis of this course. Students will also devise a theme for the yearbook and undertake necessary funding activities to ensure its solvency.

**SAT Preparation 100050/100060**

Prerequisites: Algebra I, Geometry, and concurrent enrollment in Algebra II  
Credits: .50 Elective each course

Senior and juniors who plan to take the SAT for college admission should enroll in these 2 semester courses. Students will become familiar with the SAT format, test taking strategies, and critical thinking skills. Students will review basic arithmetic, algebraic, and geometric concepts for the mathematics section with particular attention to the formats. In addition, students will review reading and writing strategies and vocabulary development for the verbal section of the SAT. There will be extensive work in critical and comparative reading as well as analogical reasoning. Simulated test taking and regular feedback will be an integral part of this class. Participants will be required to take the SAT in 11th grade during the spring of the school year.



## Mathematics

### **Algebra/Data Analysis 328253, 328283**

Prerequisites: ELL or Intensive student

Credits: 1.0 Math (does not satisfy state requirement for Algebra 1)

Algebra/Data Analysis is a one-year mathematics course that is a prerequisite to Algebra 1. The course is structured fully around the Maryland Algebra/Data Analysis assessment, following its blueprint and adhering to the state indicators in every lesson. Students will study the concepts and skills of algebra as defined by the Maryland State Core Learning Goals and state curriculum that are required for the state assessments. The course uses a hands-on approach with heavy emphasis on the application of skills to real-world problems. Graphing calculators, technology and other manipulatives will be used throughout the course. Students that successfully complete the Algebra/Data Analysis course will receive one high school mathematics credit required for graduation and are eligible to take the Algebra/Data Analysis assessment.

### **Algebra 1 331003**

Prerequisites: Pre-Algebra

Credits: 1.0 Math

Algebra I provides students with the material outlined in the Maryland Core Learning Goals in Algebra 1 and Data Analysis. These goals include indicators that require experiences with problem solving and patterns, graphing linear equations, finding rates of change, solving equations and inequalities, working with polynomials and rational expressions, and examining quadratics and other non-linear functions. Students will take the Algebra/Data Analysis High School Assessment at the end of this course.

### **Algebra 1 Block 331103**

Prerequisites: Pre-Algebra

Credits: 1.0 Math (Meets A and B days)

Algebra I provides students with the material outlined in the Maryland Core Learning Goals in Algebra 1 and Data Analysis. These goals include indicators that require experiences with problem solving and patterns, graphing linear equations, finding rates of change, solving equations and inequalities, working with polynomials and rational expressions, and examining quadratics and other non-linear functions. Students will take the Algebra/Data Analysis High School Assessment at the end of this course.

### **Algebra 1 Intensive Block 331183**

Prerequisites: IEP

Credits: 1.0 Math (Meets A and B days)

Algebra 1 provides students with intensive special needs with the material outlined in the Maryland Core Learning Goals in Algebra 1 and Data Analysis. These goals include indicators that require experiences with problem solving and patterns, graphing linear equations, finding rates of change, solving equations and inequalities, working with polynomials and rational expressions, and examining quadratics and other non-linear functions. Students will take the Algebra/Data Analysis High School Assessment at the end of this course.

### **Algebra 1 Co-Teach Block 331173**

Prerequisites: Algebraic Concepts Co-Teach

Credits: 1.0 Math (Meets A and B days)

This course fulfills the Algebra graduation requirement and is designed to facilitate learning outcomes appropriate to the instructional needs of students who can benefit from strategies based on individual learning styles and needs. The general educator will teach material outlined in the Maryland Core Learning Goals in Algebra I and Data Analysis in collaboration with a special educator. (See Algebra I course description.) Students will take the required Algebra/Data Analysis Assessment at the end of this course.

**Geometry 343003**

Prerequisites: Algebra 1

Credits: 1.0 Math

Geometry provides students with the skills outlined in the Maryland Core Learning Goals for Geometry. These skills include using logic to develop arguments, working with the postulates and theorems of Euclidian geometry, applying rules for parallel and perpendicular lines, identifying congruent and similar figures, classifying polygons, measuring angles and segments, writing proofs of triangle congruence, drawing, constructing, and performing plane transformations.

**Geometry Intensive 343083**

Prerequisites: IEP

Credits: 1.0 Math

Geometry Intensive provides students with special needs with the skills outlined in the Maryland Core Learning Goals for Geometry. These skills include using logic to develop arguments, working with the postulates and theorems of Euclidian geometry, applying rules for parallel and perpendicular lines, identifying congruent and similar figures, classifying polygons, measuring angles and segments, writing proofs of triangle congruence, drawing, constructing, and performing plane transformations. Students will take the Geometry Maryland School Assessment at the end of this course.

**Geometry Co-Teach 343073**

Prerequisites: Algebra 1 Co-Teach

Credits: 1.0 Math

Geometry Co- Teach fulfills the Geometry graduation requirement and is designed to facilitate learning outcomes appropriate to the instructional needs of students who can benefit from strategies based on individual learning styles and needs. The general educator will teach material outlined in the Maryland Core Learning Goals for Geometry in collaboration with a special educator (See Geometry course description.) Students will take the Geometry Maryland School Assessment at the end of this course.

**Integrated Mathematics 355003, 335083**

Prerequisites: Algebra 1 and Geometry

Credits: 1.0 Math

This course provides students with consumer skills using real-life applications and provides critical thinking connections to problems which integrate Algebra 1 and Geometry. This course emphasizes problem solving skills to prepare students who have struggled in their previous math courses for entry into Algebra 2.

**Algebra 2 361003**

Prerequisites: Geometry

Credits: 1.0 Math

Algebra 2 provides students with hands-on experiences to support the extension of applications of skills and concepts related to expressions and functions, graphs of functions, algebraic manipulations of functions, matrices, systems of equations, linear, quadratic, exponential, logarithmic, polynomial, and rational functions and the study of the complex number system. Students will be asked to solve real life problems and make connections to other disciplines.

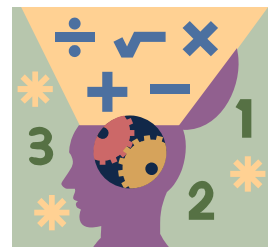
**Algebra 2/Trigonometry 362003**

Prerequisites: Geometry with a grade of B or higher

Credits: 1.0 Math (Meets A day and B day)

Algebra 2/Trigonometry provides students with the application of skills and concepts related to expressions and functions, graphs of functions, algebraic manipulations of functions, matrices, systems of equations, linear, quadratic, exponential, logarithmic, polynomial, and rational functions and the study of the complex number system.

This course also covers topics in trigonometry and the algebraic analysis of the conic sections. Students will be asked to solve real life problems and make connections to other disciplines.

**Trigonometry/Analysis 370003**

Prerequisites: Algebra 2

Credits: 1.0 Math

Trig/Analysis is a preparation for Pre-Calculus. Topics covered include introduction to the six trig functions, working with trig functions to solve problems involving right and non-right triangles, and exploring algebraic and geometric interpretations of the graphs of the trigonometric functions. Also covered are topics from Analytic Geometry which include a review of graphing linear functions followed by an introduction to the equations and graphs of the conic sections: circle, parabola, ellipse and hyperbola.

**Pre-Calculus 375203**

Prerequisites: Algebra 2/Trig or Trig/Analysis

Credits: 1.0 Math

The outcomes of this course provide students with hands-on-experience to support the modeling of situations which can be described by exponential logarithmic, power, polynomial, rational, trigonometric functions and matrices. The use of technology and problem solving are emphasized.

**Probability/Statistics 373103**

Prerequisites: Algebra 2 or Algebra 2/Trigonometry

Credits: 1.0 Math, Merit

This course provides an elementary introduction to probability and statistics with applications. Topics include: basic probability models; combinatorics; random variables; discrete and continuous probability distributions; statistical estimation and testing; confidence intervals; and an introduction to linear regression.

**Advanced Placement Calculus (AB) 380003 (Taken with Seminar 380013)**

Prerequisites: Pre-Calculus

Credits: 1.0 Math, Weighted

Students who study AP Calculus (AB) will learn to represent functions in a variety of ways: graphical, numerical, analytical and verbal. Students will learn to understand the relationship between the derivative and the definite integral and to model a written description of a physical situation with a function, differential equation, or an integral. Students will use technology to help solve problems, experiment, interpret results, and verify conclusions.

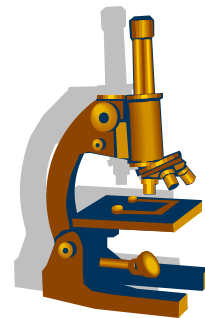
**Advanced Placement Statistics 398003 (Taken with Seminar 398013)**

Prerequisites: Algebra 2/Trig or Trig/Analysis

Credits: 1.0 Math, Weighted

Material covered in this class includes data distributions, data relationships, data production, probability and randomness, and inference. This course prepares students to take the AP Statistics Exam.

## Science



### **Integrating the Sciences 418103**

Prerequisites: Enrollment in Algebra 1 or Algebraic Data Analysis

Credits: 1.0 Science

This yearlong class integrates and makes connections to the four core disciplines of science - Physics, Earth Science, Chemistry, and Environmental Science. This course serves as a foundation course for students enrolling in Biology the following year. Major concepts studied include motion, forces, energy, electromagnetic radiation, earth's surface and interior, solar system, properties of matter, atomic structure, periodic table, chemical bonds, acids and bases, carbon chemistry, interactions of organisms, diversity of life and environmental issues of the world. Each quarter culminates with a thematic project. The constructivist approach is used to deliver the content. This includes inquiry based laboratory activities, making real world connections to mathematics, history, technology and society.

### **Integrating the Sciences Intensive 418183**

Prerequisites: IEP

Credits: 1.0 Science

This course is designed to provide students with special needs with science content that includes connections to the four core disciplines of science - Physics, Earth Science, Chemistry, and Environmental Science. This course serves as a foundation course for students enrolling in Biology the following year. Major concepts studied include motion, forces, energy, electromagnetic radiation, earth's surface and interior, solar system, properties of matter, atomic structure, periodic table, chemical bonds, acids and bases, carbon chemistry, interactions of organisms, diversity of life and environmental issues of the world. The content is presented on a concrete level and instructional supports are provided as needed. Students will make real world connections to mathematics, history, technology and society.

### **Biology 420003**

Prerequisites: Integrating the Sciences recommended

Credits: 1.0 Science

This course includes how living things function, develop, and interact with their environments. Instruction is designed to promote student inquiry through conducting investigations. Dissection of laboratory animals may be a required part of this class. At the end of this course students must take the MD Biology High School Assessment.

### **Biology Co-Teach 420073**

Prerequisites: IEP

Credits: 1.0 Science

This course fulfills the Biology requirement for graduation and is designed to facilitate learning outcomes appropriate to the instructional needs of students who can benefit from strategies based on individual learning styles and needs. The general education teacher will teach this class in collaboration with a special educator in order to ensure that all students have access to the Biology curriculum (see Biology). At the end of this course, students must take the MD Biology High School Assessment.

### **Biology Intensive 420083**

Prerequisites: IEP

Credits: 1.0 Science

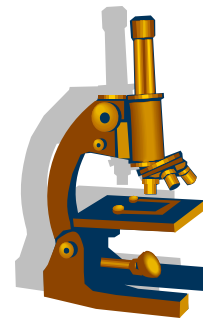
This course fulfills the Biology requirement for graduation and is designed to provide students with special needs with material regarding the basic topics in Biology (see Biology). At the end of this course, students must take the Maryland Biology High School Assessment.

**Biology Honors 419093**

Prerequisites: Successful completion of Algebra 1 in the 8th grade.

Credits: 1.0 Science

This course is designed for ninth grade students who have successfully completed Algebra 1 in the 8th grade. It maintains the major concepts of a rigorous biology program and integrates chemistry and physics aspects in many of these biology topics. There is a heavy laboratory orientation to support concept development. All students will take the Maryland Biology High School Assessment at the completion of this course. Dissection of laboratory animals may be a required part of this class.

**Chemistry 430003, 430083**

Prerequisites: Conceptual Physics, Biology, Algebra

Credits: 1.0 Science

This course is designed to give the student a basic understanding of chemical theory and principles. The subject matter also includes descriptive chemistry and practical applications. Laboratory experiences are designed to familiarize students with chemical reactions and to develop skills in using equipment and instruments associated with the chemistry laboratory.

**Chemistry Honors 430093**

Prerequisites: Honors Biology

Credits: 1.0 Science

This course is designed for students who have successfully completed honors biology. It maintains the major concepts of a rigorous chemistry program and integrates biology and physics aspects in many of these chemistry topics. There is a heavy emphasis on laboratory orientation and concept development.

**Physics 440103**

Prerequisites: Chemistry and Concurrent Enrollment in Algebra 2

Credits: 1.0 Science

This course is a study of the physical properties and interrelationships of matter and energy. Topics such as astronomy, optics, motion, force, electricity, magnetism, and nucleonics will be studied through experimentation, discussion, and reasoning.

**Earth and Space Systems Science 493003**

Prerequisites: Conceptual Physics and/or Biology, and Chemistry

Credits: 1.0 Science

This course deals with our knowledge of the earth and space systems. It is an integrated, interdisciplinary course, which stresses inquiry, discovery, and interpretation of data obtained through remote sensing, web sites, and student laboratory investigations.

**Environmental Science 491103**

Prerequisites: Conceptual Physics and/or Biology

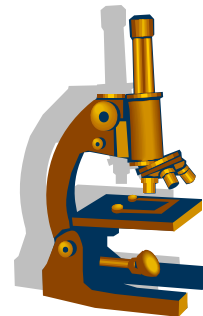
Credits: 1.0 Science

This course is designed as a comprehensive, contemporary environmental science course with emphasis on fieldwork and data collection and analysis. Students will investigate the natural environment and the interrelationships among natural systems including biodiversity and population dynamics.

**Environmental Science Intensive 491183**

Prerequisites: IEP  
Credits: 1.0 Science

This course is designed to provide students with special needs instruction in basic topics in Environmental Science. This material is presented on a concrete level and instructional supports are provided as needed.

**Advanced Placement Biology 422003 (Taken with Lab 498003)**

Prerequisites: Biology, Chemistry, Algebra I  
Credits: 1.0 Science, Weighted

AP Biology is designed to offer a rigorous and challenging curriculum that covers the biology and biological principles typical of college and university general biology courses. Dissection of laboratory animals may be a required part of this class. This course is designed for college bound students who wish to enrich their knowledge of biology and develop more advanced skills and techniques. Students are expected to take the Advanced Placement Test in Biology.

**Advanced Placement Chemistry 431103 (Taken with Lab 498103)**

Prerequisites: Biology, Chemistry, Algebra I and II  
Credits: 1.0 Science, Weighted

AP Chemistry is designed to offer a rigorous and challenging curriculum that covers the chemistry and chemical principles typical of college and university general chemistry courses. Students learn the usefulness and relevance of chemistry in both their intended areas of study and in the everyday world. Students are expected to take the Advanced Placement Test in Chemistry.

**Advanced Placement Environmental Science 491303 (Taken with Lab 498403)**

Prerequisites: Biology and Chemistry  
Credits: 1.0 Science, Weighted

AP Environmental Science provides students with a more advanced study of topics related to the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Content includes identifying and analyzing natural and human-made environmental problems, evaluating the relative risks associated with these problems, and examining alternative solutions for resolving and/or preventing the problems. Students are expected to take the Advanced Placement Test in Environmental Science.

**Advanced Placement Physics B 441103 (Taken with Lab 498203)**

Prerequisites: Physics, Algebra II/Trig or Concurrent Enrollment in Trigonometry  
Credits: 1.0 Science, Weighted

AP Physics B is based on the national curriculum for Advanced Placement Physics B and is designed to prepare students for the Advanced Placement Physics B exam. AP Physics B provides a systematic introduction to the main principles of physics and emphasizes the development of problem solving ability. It is assumed that the students are familiar with algebra and trigonometry; calculus is seldom used, although some theoretical developments may use basic concepts of calculus. The Physics B course provides a foundation for students planning further study in the life science, pre-medicine, and some applied sciences, as well as other fields not directly related to science.

**498003 Advanced Placement Biology Lab****498103 Advanced Placement Chemistry Lab****498203 Advanced Placement Physics Lab****498403 Advanced Placement Environmental Science Lab**

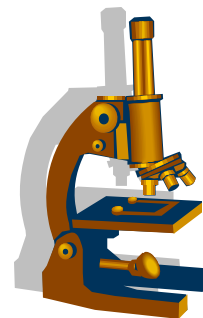
Prerequisites: Enrollment in an AP Science course  
Credits: 1.0 Elective

These year-long courses are offered to supplement AP Science instruction.

**Anatomy and Physiology 492100 (Paired with Microbiology)**

Prerequisites: TBA  
Credits: .50 Science

This course focuses on the functions of living organisms. The primary emphasis is on human functions with extensive laboratory work. The functions of cells, tissue, and organs are studied. Individual research and reading of journals is required.



**Microbiology 440200 (Paired with Anatomy and Physiology)**

Prerequisites: None  
Credits: .50 Science

This course is designed for those students who want to study microorganisms and their activities. It is concerned with the form, structure, reproduction, physiology, metabolism and identification of microbes. It includes the study of their distribution in nature, their relationship to each other and other living things, their effects on humans, and changes they make in their environment. The technical aspects of lab work are emphasized.

**Introduction to Environmental Relationships & Problems 490100 (Paired with Plants and People)**

Prerequisites: None  
Credits: .50 Science

This course is designed for the student who is concerned about problems of the environment and possible solutions. It will deal with problems such as overpopulation, food resources, natural resources, and pollutants. Food additives, pesticides, radiation, air, water, solid waste, and noise will also be studied.

**Plants and People 490000 (Paired with Intro to Environmental Relationships)**

Prerequisites: None  
Credits: .50 Science

This course deals with classification, structure, and function in plants; their growth and development; and their relationship to humans. The course relies heavily on horticultural practices and scientific experimentation.

**Forensic Lab Science 1 and 2 433090 (Paired with Medical Science)**

Prerequisites: None  
Credits: .50 Science

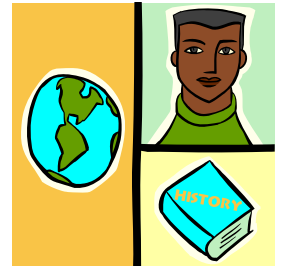
This course is an integrated science involving the disciplines of biology, chemistry, earth science, archeology, anthropology, law, medicine, and professional/technical writing. Focus will center on the following; crime scene investigations; evaluation of evidence, glass and soil sampling and analysis techniques; organic analysis; microscopic evaluation of evidence; and analysis of hair, fiber, paint, and drugs. It is recommended that students have completed Biology, Chemistry and Conceptual Physics or Earth Science.

**Medical Science 490600 (Paired with Forensic Science)**

Prerequisites: None  
Credits: .50 Science

This course is designed to allow students to explore the science content and careers related to the fields of medicine. This content is inclusive of the exploration of health issues, medical research, ethical issues, cultural diversity awareness and much more.

## Social Studies



### **United States History 262093(Honors), 262903(General), 262973(CT)**

Prerequisites: None  
Credits: 1.0 U.S. History

This course examines how the American political, economic, and social systems developed. Twentieth century content includes issues related to the development of foreign policy, the role of the United States as a world leader, and the domestic response to a diversified population and issues such as reform and civil rights.

### **United States History Intensive 262983**

Prerequisites: IEP  
Credits: 1.0 U.S. History

This course is designed to provide students with special needs with material regarding the basic topics in United States History. The class examines how the American political, economic and social systems developed. Instructional supports are provided as needed.

### **Local, State, and National Government 213103(General), 213193(Honors)**

Prerequisites: None  
Credits: 1.0 LSN Government

This year-long course provides students with a comprehensive examination of the basic concepts and principles of our federal system of government. Course study includes a focus on the foundations of government; an overview of the United States political system; study of the legislative, executive, and judicial branches of government; explanation of citizenship rights and responsibilities; examination of structure and functions of state and local governments; and study of global perspective on governmental relationships. Students will take the High School Assessment in Government at the end of this course.

### **Local, State, and National Government Co-Teach 213173**

Prerequisites: IEP  
Credits: 1.0 LSN Government

This course fulfills the Government requirement for graduation and is designed to facilitate learning outcomes appropriate to the instructional needs of students who can benefit from strategies based on individual learning styles and needs. The general education teacher will teach this class in collaboration with a special educator in order to ensure that all students have access to the Local, State and National Government curriculum (see LSN). At the end of this course, students must take the High School Assessment in Government.

### **Local, State, and National Government Intensive 213183**

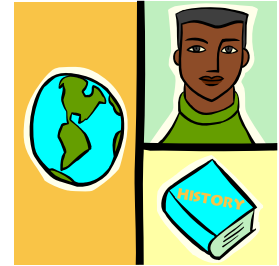
Prerequisites: IEP  
Credits: 1.0 LSN Government

This course is designed to provide students with special needs with material regarding the basic topics in Local, State and National Government. The class examines the basic concepts and principles of our federal system of government. Instructional supports are provided as needed. At the end of this course, students must take the High School Assessment in Government.

**World History 261003, 261093(Honors)**

Prerequisites: None  
Credits: 1.0 World History

This course focuses on modern world history beginning in approximately 1400 AD. The course is based on four major themes; human interactions; hemispheric interactions; crisis, progress, and change in the 20th century; and the challenges of the 21st century.



**World History Intensive 261083**

Prerequisites: IEP  
Credits: 1.0 World History

This course is designed to provide students with special needs with material regarding the basic topics in World History. The class examines modern world history beginning in approximately 1400 AD. Instructional supports are provided as needed.

**Advanced Placement American Government and Politics 250503 (Taken with Seminar 250513)**

Prerequisites: Teacher approval; Strong reading, writing, analytical thinking skills.  
Credits: 1.0 Elective; Weighted

The Advanced Placement course in American Government and Politics is designed to give students a critical perspective on politics and government in the United States. This course involves both the study of general concepts used to interpret American politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality. Course topics to be included are: constitutional underpinnings of American government, political beliefs and behaviors, political parties and interest groups, institutions and policy processes of national government, civil rights and civil liberties. This course will prepare students for the AP exam and the Government HSA.

**Advanced Placement Human Geography 280503 (Taken with Seminar 280513)**

Prerequisites: Teacher approval; Preferably 11th or 12th grade  
Credits: 1.0 Elective; Weighted

The purpose of the Advanced Placement course in Human Geography is to introduce students 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 human social organization and its environmental consequences and learn about the methods and tools geographers use in their science and practice.

**Advanced Placement Psychology 220103 (Taken with Seminar 220113)**

Prerequisites: Teacher Approval  
Credits: 1.0 Elective, Weighted

This year-long course is designed to give the students a fundamental body of knowledge and skills in the area of psychology. The course will involve an investigation of the major approaches to this study of psychology. It also will involve the use of research methods and statistical measurement to include inferential as well as descriptive statistics. It also requires the student use methods and skills acquired in math and science courses as well as computer application. Advanced placement courses are designed for qualified students who wish to complete studies in secondary school that are equivalent to a one-semester college course in psychology. It is expected that upon completion of the course students will take and pass the College Board Advanced Placement test.



**Advanced Placement World History 261503 (Taken with Seminar 261513)**

Prerequisites: Teacher approval  
Credits: 1.0 World History, Weighted

The purpose of the Advanced Placement World History course is to develop greater understanding of the evolution of global processes and contact, in interaction with different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences.

**African American Studies 234000 (Paired with African Area Studies 234100)**

Prerequisites: Preferably 11th or 12th grade  
Credits: .50 Elective

Beginning with a brief study of cultural roots in Africa, this semester course focuses on the African American experience in the United States. Emphasis is placed on understanding the contemporary life of African Americans in light of historical experience. African American involvement and impact on politics, economics and the arts are emphasized.

**African Area Studies 234100**

Prerequisites: Preferably 11th or 12th grade  
Credits: .50 Elective

African studies extend understanding of the people and cultures that exist on the world's second largest continent. The purpose of this semester course is threefold: to explore some of the major misconceptions about the area, to examine cultural regions, and to investigate some of the contemporary problems that face Africa in the 1990's.

**Practical Law 290700 (Paired with Psychology)**

Prerequisites: Grade 11 or 12  
Credits: .50 Elective

This semester course is designed to provide seniors and selected juniors an opportunity to pursue their interest in practical aspects of the law. The course will provide a framework for the county's mock trial program and will involve participation by the Bar Association and law enforcement agencies. The course provides practical information and problem-solving opportunities necessary for survival in our society. The course includes role-playing, small group activities, opinion polls, and visual analysis experiences as well as mock trials.

**Psychology 220000 (Paired with Practical Law)**

Prerequisites: Grade 11 or 12  
Credits: .50 Elective

This semester course recommended for juniors and seniors introduces students to the psychological research and concepts of human behavior. Course topics include research methodologies, biological bases of behavior, sensation and perception, principles of learning and memory, intelligence, personality development, and psychological pathologies.

**Public Policy Issues 281400**

Prerequisites: 11<sup>th</sup> or 12<sup>th</sup> Grade  
Credits: .50 Elective

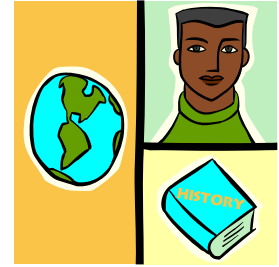
This elective course is designed to examine Public Policy in the United States. the course approaches the concept for how public policy is determined and how it affects citizens.

**Social Studies Research Seminar 253000 (Paired with Economics)**

Prerequisites: Grade 12

Credits: .50 Elective

This semester course is designed to meet the needs of honors and highly able students with an interest in social studies and independent study. The course emphasizes the use of community resources and field experiences. It includes suggestions for students to involve themselves in volunteer community services.



**Economic Issues 290300 (Paired with Social Studies Research Seminar)**

Prerequisites: Preferably 11th or 12th grade

Credits: .50 Elective

This semester course is designed to provide seniors and selected juniors an opportunity to pursue their interest in practical aspects of our economic system. Students learn about the underlying principles of the American enterprise system in the context of local business. Each class has experience with a student company and the use of computers to compete in economic and management simulations. This, as well as opportunities to interact with a local business consultant, makes Applied Economics a course where students learn a great deal about the real career world.

**Student Government 250103**

Prerequisites: Elected by peers to the position

Credits: 1.0 Elective

Student Government is designed for students who have been elected or appointed to their Student Government Association. In the course, students will learn the fundamentals of political behavior. Students apply these principles to their own school by analyzing student needs and making recommendations to the appropriate administrators.



## **English for Speakers of Other Languages (ESOL)**

### **English ESOL 1 136103 (Taken with AL 137103)**

Prerequisites: LAS Links Score of 1A or 1B

Credits: 1.0 English

This language acquisition course develops the beginning English language skills of English Language Learners in listening, speaking, reading and writing. These skills require control of the sound system, grammar, vocabulary and basic sentence structure. Students will develop Basic Interpersonal Communication Skills (BICS) for use in appropriate social and cultural situations.

### **English ESOL 1 Accelerated Learning (AL) 137103**

Prerequisites: Concurrent enrollment in English ESOL 1

Credits: 1.0 Elective

The English ESOL 1 AL course complements ENG/ESOL 1 and provides beginning English Language Learners with additional instructional support.

### **English ESOL 2 136203 (Taken with AL 137203)**

Prerequisites: Successful completion of ESOL 1 or LAS Links score of 2A or 2B

Credits: 1.0 English,

This language acquisition course is for English Language Learners whose English language skills and previous educational backgrounds are such that they require a second year of instruction. Students will continue to acquire English proficiency with emphasis on basic reading comprehension, building vocabulary and paragraph development. This course will develop the students Cognitive Academic Language Proficiency (CALP).

### **English ESOL 2 Accelerated Learning (AL) 137203**

Prerequisites: Concurrent Enrollment in English ESOL 2

Credits: 1.0 Elective

The English ESOL 2 AL course complements ENG/ESOL 2 and provides intermediate English Language Learners with additional instructional support.

### **English/ESOL 3 136303 (Taken with AL 137233)**

Prerequisites: Successful completion of ESOL 2 or LAS Links score of 3A or 3B

Credits: 1.0 English

This language acquisition course continues to develop Cognitive Academic Language Proficiency (CALP) and increased control of English language skills. Students will develop oral language skills, reading comprehension and writing skills in multi paragraph format to be successful with grade level texts.

### **English ESOL 3 Accelerated Learning (AL) 137233**

Prerequisites: Concurrent enrollment in English ESOL 3

Credits: 1.0 Elective

English ESOL 3 AL complements ENG/ESOL 3 and provides advanced level English Language Learners with additional instructional support.

### **Critical Reading ESOL 582051 and 582052**

Prerequisites: Selection by ESOL staff, Enrolled in ESOL 2

Credits: 0.5, 1.0 Elective

This semester or year long, single period course is designed for ESOL 2 students who need additional support in reading comprehension and fluency.

**Advanced Reading ESOL 583053**

Prerequisites: Selection by ESOL staff, enrolled in ESOL 3 or English 10  
Credits: 0.5, 1.0 Elective

This semester or year long, single period course is designed for ESOL 3 students or English 10 students (previous course ESOL 3) who need additional support in reading comprehension and fluency.



**ESOL Algebra Data Analysis 328253**

Prerequisites: Based on math placement test or teacher recommendation following Language of Math  
Credits: 1.0 Math

This year-long course provides the skills necessary for success in Algebra 1 with a focus on vocabulary and instructional techniques for English Language Learners.

**Language of Math Part 1 and Part 2 137303 and 137403**

Prerequisites: Selection by ESOL and Math staff  
Credits: 2.0 Elective

This year-long, single period course is designed for English Language Learners who have limited or interrupted mathematics education and whose mathematics placement criteria indicate a lack of achievement on skills included in the Middle Grades Mathematics Program.

**ESOL Pre-Integrating the Sciences**

Prerequisites: ESOL Level 1 students; Approval of ESOL staff  
Credits: 1.0 Elective

This year-long, single period course is designed to teach academic language used in the content area of Science. In addition, learning strategies, basic study skills, and classroom survival skills for American classrooms are taught to the English Language Learners enrolled in this course.

**ESOL Integrating the Sciences 418153**

Prerequisites: ESOL Level 2 or higher  
Credits: 1.0 Science

This year-long, single period course provides non-native speakers with an opportunity to study some of the basic topics in the four core disciplines of science - Physics, Earth Science, Chemistry, and Environmental Science. This course serves as a foundation course for students enrolling in Biology the following year. Major concepts studied include motion, forces, energy, electromagnetic radiation, earth's surface and interior, solar system, properties of matter, atomic structure, periodic table, chemical bonds, acids and bases, carbon chemistry, interactions of organisms, diversity of life and environmental issues of the world.

**ESOL Biology 420103**

Prerequisites: ESOL Level 3 or higher  
Credits: 1.0 Science; Merit

This course provides non-English speaking students with an opportunity to study biology by helping them with English terminology. All students will take the Maryland Biology High School Assessment at the completion of this course. Dissection of laboratory animals may be a required part of this class.

**ESOL Pre-World History 136923**

Prerequisites: ESOL Level 1 students; Approval of ESOL staff

Credits: 1.0 Elective

This year-long, single period course is designed to teach academic language used in the content area of History. In addition, learning strategies, basic study skills, and classroom survival skills for American classrooms are taught to the English Language Learners enrolled in this course.

**ESOL World History 261053**

Prerequisites: ESOL Level 2 or higher

Credits: 1.0 Social Studies

This year-long, single period course for non-native speakers focuses on modern world history beginning in approximately 1400 AD. The course is based on four major themes; human interactions, hemispheric interactions, crisis, progress and change in the 20th century, and the challenges of the 21st century. Methods and strategies are used to make the content comprehensible for English Language Learners.

**ESOL U.S. History 262953**

Prerequisites: ESOL Level 3 or higher

Credits: 1.0 Social Studies

This year-long, single period course illustrates how the American political, economic and social system developed. Topics such as nationalism, sectionalism, Civil War, Reconstruction, Industrialism and Immigration are examined to illustrate the development of these strands during the 19th century. Twentieth century content includes issues related to the development of foreign policy, the role of the United States as a world leader, domestic response to a diversified population, and issues such as reform and civil rights. Methods and strategies are used to make the content comprehensible for English Language Learners.

**Language of American History 137603**

Prerequisites: ESOL Level 1 students; Approval of ESOL staff

Credits: 1.0 Elective

This year-long, single period course is designed to teach academic language used in the content area of History. In addition, learning strategies, basic study skills, and classroom survival skills for American classrooms are taught to the English Language Learners enrolled in this course.

**ESOL/AIM Literacy 1 136703**

Prerequisites: Selection by ESOL/LMP staff

Credits: 1.0 Elective

This year-long, single period course is designed for pre- and non-literate English Language Learners. It teaches fundamental literacy skills through the content areas of Mathematics, Science and Geography.

**ESOL/AIM Literacy 2 136803**

Prerequisites: Selection by ESOL/LMP staff

Credits: 1.0 Elective

This year-long, single period course is designed for semi-literate English Language Learners who successfully complete the ESOL AIM Literacy 1 class or who, as new registrants in the county, are identified by their intake tests as being semi-literate.

## Special Education



### **Academic Resource Support Class**

**Grade 9- 142273; Grade 10- 142473; Grade 11- 142673; Grade 12- 142873**

Prerequisites: IEP

Credits: 1.0 Elective

This course provides students with special needs instructional support and skill development to implement the goals and objectives in the student's Individual Education Plan (IEP). Individual learning strategies will include self-advocacy, organization and test taking skills that will enhance academic performance across all content areas. Students will learn to apply individual access skills to specific high school assessment course content.

### **Community Referenced Instruction (CRI)**

Courses are designed to facilitate learning outcomes appropriate to the instructional needs of each student as identified on the Individualized Education Program (IEP). Students access the general education curricula, modified and adapted to meet IEP requirements. Core Learning Goals and Skills for Success are infused in all content areas. All students in these courses must have a current IEP in compliance with Special Education mandates and procedures.

### **English Alt 1, 2, and 3 138503**

Prerequisites: IEP

Credits: 0.00

These year long courses expose students to the Voluntary State Curriculum. Students use adapted grade level material in preparation for the Alternative Maryland School Assessment. Courses provide the opportunity for students to apply their knowledge into the community through Community Based Instruction.

### **Math Alt 1, 2, and 3 138603**

Prerequisites: IEP

Credits: 0.00

These year long courses expose students to the Voluntary State Curriculum. Students will be taught on their instructional levels. Courses focus on basic mathematic operations - algebra, geometry, measurement, statistics, number relationships and computation and the process of math. Students use adapted grade level material in preparation for the Alternative Maryland School Assessment.

### **Science Alt 1, 2, and 3 138203**

Prerequisites: IEP

Credits: 0.00

These year long courses are taught in preparation for the Alternative Maryland School Assessment. The course will expose students to the Physical Sciences.

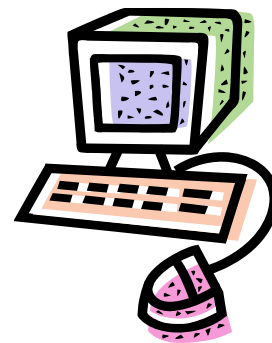
### **Social Studies Alt 1, 2, and 3 138103**

Prerequisites: IEP

Credits: 0.00

These year long courses focus on social skills and behavior development. Students learn about traveling and functioning in the community as a citizen. Students explore recreational and leisure activities through Community Based Instruction.

## **Business Education**



### **Banking and Credit 576100 (Paired with Financial Planning)**

Prerequisites: Academy of Finance Student

Credits: .50 Completer

This one semester course presents a survey of the principles and practices of banking and credit in the United States. The students learn about the major functions of banks and other depository institutions, in-house operations and procedures, central banking through the Federal Reserve System and modern trends in the banking industry. The credit component provides an overview of credit functions and operations including credit risk evaluation, loan creation and debt collection. This course culminates in the Fed Challenge project.

### **Financial Planning 576600 (Paired with Banking and Credit)**

Prerequisites: Academy of Finance Student

Credits: .50 Completer

This one-semester course introduces students to the financial planning process and the components of a comprehensive financial plan. Students learn how to prepare a financial plan that includes saving, investing, borrowing, risk management (insurance) and retirement and estate planning.

### **Business English and Communications 551000 (paired with Business Organization & Mgmt)**

Prerequisites: None

Credits: .50 Elective

Business Communications impacts all aspects of our lives. This course will teach students to communicate in a clear, courteous, concise, and correct manner on both personal and professional levels. Competency will be developed in oral, written, social, technological, employment, and organizational communication with listening skills incorporated throughout the semester. Students will complete the course with a greater understanding of the impact of technology and the need for effective communication skills to advance in a business career.

### **Business Organization and Management 543000 (paired with Business English & Comm)**

Prerequisites: None

Credits: .50 Elective

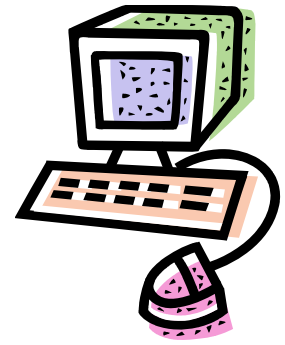
This semester course is designed to help students understand the basic functions and fundamental principles of modern business- how it is managed, and how it operates.

### **Business Law 1 and 2 541000 and 542000**

Prerequisites: None

Credits: 1.00 Elective

Students will gain an understanding of the law as it relates to them currently and the implications of the law in their future lives as well as the lives of their family and friends. The course will include an understanding of the court system at the local, state, and national levels. Students will gain an understanding of contract law, their rights and responsibilities as citizens, utilization of financial transactions, employment and agency relationships, and the understanding of the regulations governing different types of business organizations.



**College Accounting 576403**

Prerequisites: None  
Credits: 1.0 Completer

This year-long course is designed to make accounting understandable to virtually everyone without sacrificing substance and technical correctness. A step-by-step straightforward approach helps students build practical accounting skills that are needed when entering the world of work. This course is required for completion by Academy of Finance students.

**Computer Software Applications 534000 (paired with Keyboarding)**

Prerequisites: Keyboarding  
Credits: .50 Tech Ed

This course is designed to provide students with the opportunity to learn commercial software application programs similar to those commonly used in college and industry. It will acquaint students with ways to use a microcomputer as a tool for schoolwork as well as current uses in the workplace. The major software applications used in the course will include software for word processing, database, spreadsheets, graphics and integrated software.

**Keyboarding 513000 (paired with CSA)**

Prerequisites: None  
Credits: .50 Elective

Keyboarding is designed to teach students to efficiently use a keyboard in order to prepare and format documents relevant to a business environment. Emphasis will be placed on proper keyboarding technique, which stresses the touch method, spelling, punctuation, capitalization, number expressions and word usage. Keyboarding is to be offered as a .5 credit course or may be offered as the first half of the Keyboarding and Computer Software Applications combination, where Computer Software Applications would be taught as the second half of the course.

**Economics and the World of Finance 576200 (paired with International Finance)**

Prerequisites: Academy of Finance Student  
Credits: .50 Completer

This is a one-semester course for students in macro- and microeconomics that provides an understanding of how our market economy functions in a global setting. It provides students with a survey of economic concepts including all of the 22 basic principles recommended by the National Council of Economic Education. In addition, a unit on capital markets acquaints students with the role that markets and securities play in our overall economic framework.

**International Finance 576700 (paired with Econ & World of Finance)**

Prerequisites: Academy of Finance Student  
Credits: .50 Completer

This course explores major components of the international financial system. Included are the study of foreign trade, international monetary systems, foreign exchange rates and markets, international financial markets, international banking and the multinational corporation.

**Entrepreneurship 1 574403**

Prerequisites: None  
Credits: 1.0 CTE Elective

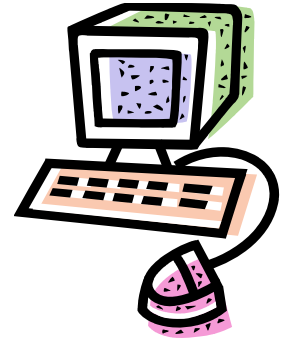
This course is designed to prepare students with entrepreneurship skills that reflect relevant learning experiences linked with business. Course topics include: developing a business plan and the step-by-step process of starting, organizing, and managing that business. Licensing, legal procedures, advertising, channeling, market analysis, location, financing, managerial skills, and operating procedures are covered.

### **Entrepreneurship 2 574503**

Prerequisites: Successful completion of Entrepreneurship 1

Credits: 1.0 Completer

This yearlong course is designed as an extension of Entrepreneurship 1. Students will plan, organize and manage all operations of the school store or designated business. Students will also be exposed to a variety of entrepreneurial activities including computer simulations, audiovisual aids, role-playing, speakers and field trips.



### **Financial Management Using Software Applications 553203**

Prerequisites: None

Credits: 1.0 Completer

Financial management provides students with the knowledge and practice they need to make informed financial decisions and is consistent with Maryland Council on Economic Education components. Students will learn to successfully manage financial resources. Banking, investing, borrowing, and risk management (insurance) are core content areas of the course. Students will gain knowledge and understanding of revenue, expenses, credit and money management to enable them to make informed decisions in a highly technical and competitive society. Students will gain competencies in software using Microsoft applications. Financial Management is a skill that is essential in all business and personal environments.

### **First Year Accounting 535103**

Prerequisites: None

Credits: 1.0 Completer; Tech Ed

This course is a study of the methods and systems of preparing and maintaining financial records. Emphasis is placed on the need to apply manual and computerized procedures to interpret and accurately record business transactions. Competencies include the study of the basic principles of maintaining records, the accounting cycle, and the preparation and analysis of financial reports with computer assisted instructions. Students who plan to major in business administration in college would benefit from this course.

### **Introduction to Financial Services 1 575100 (paired with Securities and Insurance)**

Prerequisites: Academy of Finance Student

Credits: 1.00 Completer

This course introduces students to the various sectors for the financial services industry. The objectives of the course is to help students learn about both the nature of the careers found in a particular sector and the scope of the work that comprises businesses such as insurance, real estate, public finance, accounting and the securities industry.

### **Securities and Insurance 576500 (paired with Intro to Financial Services)**

Prerequisites: Academy of Finance Student

Credits: .50 Completer

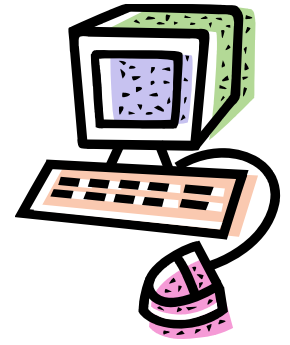
Securities focus on the roles and functions of a modern securities organization. Through a study of the structure of brokerage firms, the trading process, credit and margin practices, automated processes, and government regulations, students gain an understanding of how a securities firm services its customers and plays an important role in our economy. Insurance introduces students to various elements of the insurance industry, including insurance needs and products for businesses and individuals. Students learn about insurance sales, rate-setting, insurance and financial planning, insurance regulations, and careers in the industry.

**Office Technology 519003**

Prerequisites: Word Processing, Keyboarding, and Computer Software Applications

Credits: 1.0 Completer

Office Technology provides students with job preparation exercises for administrative support positions. Areas of instruction include organization and functions of offices, time management, information processing concepts, thinking/problem solving skills, reference materials, employment procedures, records management, written communications skills, presentation skills, telephone systems and procedures, career development and interpersonal skills. Review of REIA, mathematics skills and keyboarding skills are integrated with instructional units. Job simulations are used extensively.

**Principles of Business, Management and Administration 553103**

Prerequisites: None

Credits: 1.0 Completer

This course provides students with knowledge of the types of businesses, as well as various applications, laws and theories of business. Along with a brief historical perspective, business terminology and principles will be emphasized. Students will learn to analyze the functions of business through evaluating, planning, organizing, and controlling. Students will develop the communication skills that will be necessary for success in the workplace and college. Students will be expected to think analytically, improve written and oral communication skills, enhance listening and questioning skills, learn and practice the art of conversation, improve public speaking skills, broaden their awareness of career options, practice using teamwork to make decisions and solve problems, and learn why people skills, communication skills and networking skills can help them succeed in their careers. Students will develop human resource skills including: diversity training, attitude, attendance, accountability, employer/employee rights, discrimination, availability of information as well as time management and setting priorities. Students will write grammatically correct correspondence and communicate orally. Students will understand the business world and be more prepared to meet their career goals and objectives.

**Word Processing 519203**

Prerequisites: Keyboarding and Business Applications

Credits: 1.0

This yearlong course provides basic understanding of the area of information (Word) Processing. Emphasis is placed in concepts, terminology, communication, and decision-making skills. Upon the successful completion of the course, the students should be qualified for entry-level positions in information (Word) Processing. Students must have completed at least one year of keyboarding.

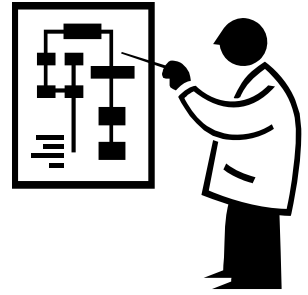
**Web Page Design (Mass Media)**

Prerequisites: Keyboarding and Business Applications

Credits: 1.0

This course will provide students the opportunity to develop professional skills in developing and maintaining Web pages. Students will use web page development tools to design their own web pages. Students will obtain a marketable skill which may be utilized to obtain an entry-level position in the world of work.

## Engineering (Project Lead The Way)



### **Civil Engineering and Architecture 867703**

Prerequisites: Principles of Engineering; Introduction to Engineering Design; Digital Electronics; completion of Geometry and Algebra 2 is recommended.

Credits: 1.0 Completer

Civil Engineering and Architecture serves as a specialization course option within the PLTW sequence. The course provides an overview of the fields of Civil Engineering and Architecture. Teams of students collaborate on the development of community-based building projects and conceptual design for project presentations. Transcribed college credit is available to students who receive a grade of 85% in the course and pass an assessment administered by the national affiliate for PLTW, Rochester Institute of Technology (RIT)

### **Digital Electronics 867603**

Prerequisites: Principles of Engineering; Introduction to Engineering Design; Geometry and Algebra 2 recommended

Credits: 1.0 Completer

Digital Electronics serves as a foundations course within the PLTW sequence. This course introduces students to applied digital logic by exploring the smart circuits found in watches, calculators, video games and computers. Students use computer simulation software to design and test digital circuitry prior to the actual construction of circuits and devices. Mathematics and science are integrated in solving real-world engineering problems. Transcribed college credit is available to students who receive a grade of 85% in the course and pass an assessment administered by the national affiliate for PLTW, Rochester Institute of Technology

### **Engineering Design and Development 867803**

Prerequisites: Principles of Engineering; Introduction to Engineering Design; Digital Electronics; one specialization course; completion of Algebra 2/Trig is recommended.

Credits: 1.0 Completer

Engineering Design and Development is an engineering research course in which students work cooperatively in groups to research, design, and construct solutions to open-ended engineering problems. Students apply principles developed in the four preceding courses and are guided by a community mentor.

### **Introduction to Engineering Design 867503**

Prerequisites: Algebra 1 and Geometry recommended; Engineering Academy student

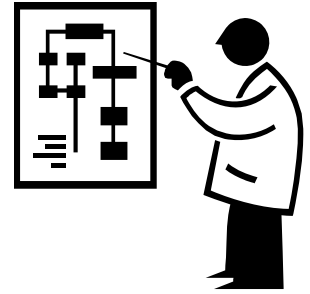
Credits: 1.0 Elective.

Introduction to Engineering Design serves as a foundations course within the PLTW sequence. This course emphasizes the development of a design. Students use computer software to produce, analyze and evaluate models of project solutions. They study the design concepts of form and function, then use state-of-the art technology to translate conceptual designs into reproducible. Transcribed college credit is available to students who receive a grade of 85% in the course and pass an assessment administered by the national affiliate for PLTW, Rochester Institute of Technology (RIT).

**Principles of Engineering 867403**

Prerequisites: Algebra 1 recommended; Engineering Academy student  
Credits: 1.0 Elective; Tech Ed

Principles of Engineering serves as a foundations course within the PLTW sequence. This course provides an overview of engineering and engineering technology. Students develop problem-solving skills by applying math, science and technology to tackle real-world engineering problems. Transcribed college credit is available to students who receive a grade of 85% in the course and pass an assessment administered by the national affiliate for PLTW, Rochester Institute of Technology (RIT).



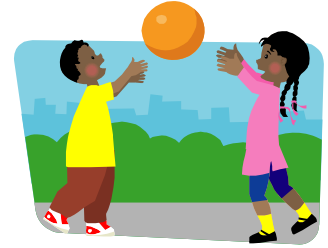
**Foundations of Technology 842003**

Prerequisites: None

Credits: 1.0 Technology Education

Students develop an understanding of the influence of technology on history by exploring how people of all times and places have increased their capability by using their unique skills to innovate, improvise, and invent. They gain an understanding of technology innovation and the fact that it often results when ideas, knowledge, or skills are shared within a technology, among technologies, or across other fields of study. Students develop an understanding of engineering design, the formal process that transforms ideas into products or systems of the designed world. They select and use manufacturing technologies and understand that modern manufacturing technologies produce quality goods at low prices, enhancing the quality of life for many people. Students select and use construction technologies and recognize that cultural norms, environmental conditions, and the requirements of enterprises and institutions impact the design of structures. Opportunities are provided that enable students to select and use energy and power technologies and to explore the processing and controlling of the energy resources that have been important in the development of contemporary technology. They become familiar with information and communication technologies and their role in maintaining competitive economic growth. The course concludes with the synthesizing of major ideas through an understanding of the core concepts of technology, with an emphasis on "systems thinking" and related principles.

## Family and Consumer Sciences



### **Child Growth and Development/Parenthood Education 1 686103**

Prerequisites: Grades 10, 11, or 12

Credits: 1.0 Completer

This yearlong course presents practical experience for teaching in a child development laboratory on the school premises. Emphasis is placed on the developmental tasks of young children, curriculum for preschool, and skills for the transition from school to work. Students will develop a portfolio that reflects the ability to plan and prepare lesson plans for preschoolers. Practical knowledge and skills for parenthood are an integral part of the course. This is the first course in the Child Growth and Development State Approved Completer Program. Students may participate in the Early Childhood Education Tech (Prep Program at Prince George's Community College and/or document hours for the 90 Clock Hour and State Senior Staff Certification.)

### **Child Growth and Development/Parenthood Education 2 687203**

Prerequisites: "C" or better in Child Develop. 1, good attendance, teacher approval

Credits: 2.0 Completer

This yearlong double period course covers in depth the growth and development of the school age child. Emphasis is on the practical experience of working in a local preschool or elementary school where the student assists a teacher. Students will continue to develop their Child Development 1 portfolio. This is the second course in the Child Growth and Development State Approved Completer Program. Students may participate in the Early Childhood Education Tech Prep Program at Prince George's Community college and/or document hours for the 90 Clock Hour and State Senior Staff Certification. (Written parental permission is required for students who will be traveling by county school bus.)

### **Child Growth and Development/Parenthood Education 3 688203**

Prerequisites: "B" or better in Child Development 2, good attendance, teacher approval

Credits: 2.0 Completer

This one to four-credit course focuses on careers and cooperative work experience that prepares students for the transition from school to work. Field experience will be with young children in the community. Students will continue to develop their Child Development 1 and 2 portfolios. This is the final course in the Child Growth and Development State Approved Completer Program. Students may participate in the Early Childhood Education Tech Prep Program at Prince George's Community College and/or document hours for the 90 Clock Hour and State Senior Staff Certification. Students may also register for concurrent enrollment at Prince George's Community college as part of the Tech Prep Program. Students must obtain their own job working with children and must provide their own transportation. Students are required to work five hours per week for each credit earned.

### **Child Development/ Parenthood Education for Adolescent Parents 1 688403**

Prerequisites: Adolescent Parents only

Credits: 1.0 Elective

This yearlong course covers the stages of growth and development for children from birth to five years. Students will have an opportunity to acquire skills in understanding the characteristics and needs of infants and young children, in communicating with children, in guidance and discipline techniques. The development of parenting skills will be stressed by examining the demands of parenthood, the rights and responsibilities of parent and child, and the practical aspects of parenting. Prenatal care and development of the fetus will be examined in addition to caring for a newborn. The special needs of exceptional children will be identified. Students will explore non-traditional careers and review requirements for these occupations, job application procedures, and responsibilities of these careers. This course is for adolescent pregnant and parenting students at schools identified by the supervisor.



**Child Development/ Parenthood Education for Adolescent Parents 2 688703**

Prerequisites: Child Development/ Parenthood Education for Adolescent Parents 1  
Credits: 1.0 Elective

This yearlong course covers child development and parenting issues that are pertinent to the needs of adolescent parents. This is the second course designed to assist pregnant and parenting students to remain in school and graduate. Students will continue to develop parenting skills and recognize the importance of understanding the development and needs of infants and young children. Students will develop a career portfolio as they participate in a career assessment, explore careers, and identify job search skills. Emphasis is placed on goal setting and establishing post high school plans for further education and/or employment. This course is designed for adolescent pregnant and parenting students at schools identified by the supervisor.

**Fashion Design I 682200 (Paired with Fashion II)**

Prerequisites: None  
Credits: .50 Elective

This introductory competency-based course provides an opportunity for the student to develop skills and techniques in clothing selection and construction. The student is involved with consumer decisions related to wardrobe planning, selection, purchase, care and maintenance of these clothing choices. In addition, students are encouraged to apply these principles in their personal wardrobe. Construction emphasis in this basic clothing course is placed upon seams, darts, facings, hems, pressing, zippers and other fasteners. Two projects are generally required. Purchase of fabrics, patterns, and notions is the financial responsibility of the student.

**Fashion Design II 683200 (Paired with Fashion I)**

Prerequisites: Fashion I  
Credits: .50 Elective

This competency-based semester course builds upon knowledge and skills contained in the Basic Clothing and Textiles curriculum. The student studies characteristics of "special" fabrics and the types of articles made from them. Personal grooming, personal wardrobe planning, and personal style receive emphasis in this course. Other areas of consumer study include care, repair, and recycling of ready-to-wear, new techniques and attachments for sewing machines, and an in-depth update of career opportunities in the fashion industry. Students will construct suitable projects based upon new construction techniques learned. The expenditures for the class are the responsibility of the student.

**Financial Literacy for Teens 682703**

Prerequisites: Grade 11 or 12 student  
Credits: .50, 1.0 Elective

This course presents a variety of units to assist eleventh and twelfth grade students in acquiring personal finance principles. The implementation of the ideas, concepts, knowledge, and skills contained in this course will enable students to apply decision-making skills and to become wise and knowledgeable consumers, savers, investors, users of credit, money managers, citizens, and members of a global workforce and society. Topics of study include financial responsibility and decision making, planning and money management, credit and debt, risk management and insurance, saving and investing, as well as income and careers.



**International Culture and Cuisine 685313**

Prerequisites: Foods and Nutrition 1

Credits: 1.0 Elective

This yearlong course is for students who wish to appreciate food as it relates to the customs, life styles, history, and traditions of various countries. Students visualize the unique characteristics of the cultures of other countries and special cultural groups within our own country. This course enables students to perceive how people use food customs to express themselves. Cultural celebrations and restaurant visits may be planned to enrich students' appreciation.

**Food Trends and Technology 1 684100 (Paired with Foods and Nutrition 1)**

Prerequisites: Foods and Nutrition 1

Credits: .50

This semester course presents a variety of units to assist high school students to appreciate the interrelationship of food science and nutrition. Emphasis is placed on food and its affects on the body. A scientific approach to purposeful laboratory experiences allows students to evaluate specific foods and their properties. Students cooperatively research the role technology plays in food processing and study appliances of the past, today, and into the future.

**Foods and Nutrition 1 682000 (Paired with Foods Trends and Technology 1)**

Prerequisites: None

Credits: .50

This semester course is designed to strengthen the understanding and importance of nutrition as it relates to wellness. The focus of this course is to assist students in making healthy food choices based on the dietary guidelines, food guide pyramid, and nutrient groups. Knowledge and understanding of these elements will enable students to select, plan, prepare and serve nutritious meals. Safety and sanitation of food are emphasized. Students will practice effective management skills and apply consumer decision-making skills in all aspects of meal planning and food preparation.

## Foreign Language



### **French 1 152003**

Prerequisites: None  
Credits: 1.0 Completer

In the first year of French communication and the sounds of the language are learned through dialogues, learning scenarios, practice exercises, and real-life situations. The students learn to understand, speak, read, and write a limited amount of material and to apply grammatical principles of the language to form new ideas and to communicate them. Cultural information about the countries is taught as a part of the content.

### **French 2 155003**

Prerequisites: French 1  
Credits: 1.0 Completer

The development of skills begun in the first year of French is continued. Greater emphasis is placed on oral proficiency, listening, reading and writing in French. Knowledge of grammar is expanded, including object pronouns and most of the verb tenses beyond the present. Cultural information is taught through basic content readings and supplementary materials.

### **French 3 156003**

Prerequisites: French 2  
Credits: 1.0 Completer

By the third level of French students are required to use the language in class conversations, and read both fiction and nonfiction, including magazines and newspapers. Learning of vocabulary is greatly expanded. Some supplementary reading is required. Basic grammar is reviewed and more complex structure is taught. Cultural projects are to be carried out in the foreign language. Students are expected to write coherent paragraphs, short summaries, and outlines in foreign language.

### **French 4 157003 (Taken with AP French 5)**

Prerequisites: French 3  
Credits: 1.0 Completer

In the level 4 French course, students are expected to use the language in conversation, class discussions, in oral and written reports and research projects. Reading includes literary works, social and cultural material, magazines, and newspapers from the foreign country. Grammar is reviewed, and the finer points are analyzed through work with original compositions, summaries, reports, advanced exercises, and some translation activities. The aim is greater precision in self-expression. Students are expected to understand and write from dictation material heard for the first time. The use of the foreign language in school-wide and community projects is encouraged.

### **Advanced Placement French 5 Language 158803 (Taken with French 4)**

Prerequisites: French 4; Teacher approval  
Credits: 1.0 Completer, Weighted

The College Board's Advanced Placement Program for French 5 will provide course work, written assessments, and practical experiences culminating in the AP French exam.



**Italian 1 190103**

Prerequisites: None  
Credits: 1.0 Completer

This introductory course offers students the opportunity to communicate in Italian and to develop foreign language skills in listening, speaking, reading and writing. The program focuses on functional language in selected situations. Appropriate pacing is a key element of the course that allows students to understand linguistic, cultural and grammatical concepts in second language study. Lessons incorporate visual resources from various materials to provide a basis for comprehending cultural content.

**Italian 2 190203**

Prerequisites: Italian 1  
Credits: 1.0 Completer

Communication and the sounds of the language are learned through dialogues, learning scenarios, practice exercises, and real-life situations. The students learn to understand, speak, read, and write a limited amount of material. Students will learn to apply grammatical principles of the language to form new ideas and to communicate them. Cultural information about the countries is taught as a part of the content.

**Italian 3 190303**

Prerequisites: Italian 2  
Credits: 1.0 Completer

The development of skills begun in previous years of the language is continued. Greater emphasis is placed on oral proficiency, listening, reading and writing in Italian. Knowledge of grammar is expanded, including object pronouns and most of the verb tenses beyond the present. Cultural information is taught through basic content readings and supplementary materials.

**Italian 4 190403 (Taken with AP Italain)**

Prerequisites: Italian 3  
Credits: 1.0 Completer

In the level 4 Italian course, students are expected to use the language in conversation, class discussion, oral and written reports, and research projects.

**Advanced Placement Italian Language and Culture 190603 (Taken with Italian 4)**

Prerequisites: Italian 4, Application and orientation session  
Credits: 1.0 Foreign Language, Weighted, Merit

The AP Italian Culture and Language course is designed to be comparable to college/university Italian courses that serve as a transition between language courses and linguistics or content-based courses. The aim is to develop student's reading, writing, listening, and speaking skills within a cultural frame of reference reflective of the richness of Italian language and culture. Students will benefit from learning about structural aspects of the language while being exposed to interwoven cultural content throughout the course.



### **Japanese 1 150003**

Prerequisites: None  
Credits: 1.0 Completer

Students will be taught to speak the language contextually in terms of greetings, school activities, limited social situations, counting and sports. They will be introduced to reading and writing through the phonetically based symbols called Hiragana and Katakana, eventually learning a pre-determined number of Japanese Kanji. Grammar will be taught through the structure of the Japanese language, especially the cultural context of the verb forms, as well as vocabulary expansion. Culture of the Japanese people will be an integral part of the course. It will be necessary for students to apply study skills consistently in order to succeed in this course.

### **Japanese 2 150103**

Prerequisites: Japanese 1  
Credits: 1.0 Completer

Japanese 2 continues in the same vein as level 1. After acquiring skill in writing the Hiragana and Katakana syllabaries, students concentrate on the Kanji in level 2. The listening and speaking skills are developed at a higher level. Grammatically, in addition to continuation of the grammar of level 1, there is an introduction to phrases characteristic of hierarchical levels of social relationships. Students will learn to express degrees of polite speech. Compound verbs are included. Cultural emphasis in the course will be on modern post-World War II in Japan.

### **Japanese 3 150203**

Prerequisites: Japanese 2  
Credits: 1.0 Completer

Japanese 3 will utilize writing skills in Hiragana and Katakana, while further expanding students' knowledge of Kanji. Writing and reading skills as well as short compositions will be emphasized. Listening, reading and speaking skill activities will be increased. Students will be introduced to the grammatical aspects of "Keigo" (polite speech form), particularly as related to verb usage. Other grammar will be presented such as causative verbs, particles used for sentence clauses, conjunctions, and various counters used in the Japanese language.

### **Japanese 4 150303 (Taken with AP Japanese)**

Prerequisites: Japanese 3  
Credits: 1.0 Completer

Level 4 Japanese will have extensive use of informal speech forms, while expanding vocabulary for daily life, such as managing a budget and travel. Extensive use of honorific verbal forms (keigo) will be further developed, as well as the increase of formal speech. Reading comprehension will be heightened through the use of contextualized paragraphs and short stories. Students will be working with authentic materials, such as newspaper articles and selected sections of popular and historical novels. Authentic video and radio shows will be shown or listened to in order to further develop student familiarity with native speech patterns and intonation. The Japanese economy is a theme presented in relationship to the workplace. Students should have a working knowledge of at least four hundred Kanji (ideographs) beyond the Hiragana and Katakana syllabaries.

### **Advanced Placement Japanese Language and Culture 150803 (taken with Japanese 4)**

Prerequisites: Japanese 4; Application and orientation session, Japanese 3 assessment, teacher recommendation  
Credits: 1.0 Completer, Weighted, Merit

Students will study the language as a whole through content-based themes such as Japanese history, tradition, contemporary culture, and social issues. The course curriculum is built based on the National Standards for Japanese Language Learning. Students will deepen their understanding of the language and Japanese perspectives towards social issues and values. Through various speaking, listening, reading, and writing activities, students will acquire a more solid knowledge of grammar, vocabulary, and *kanji*. They will also learn how to manipulate the Japanese language for better comprehension.



**Spanish 1 162003,**  
Prerequisites: None  
Credits: 1.0 Completer

In the first year of Spanish communication and the sounds of the language are learned through dialogues, learning scenarios, practice exercises, and real-life situations. The students learn to understand, speak, read, and write a limited amount of material. Students will learn to apply grammatical principles of the language to form new ideas and to communicate them. Cultural information about the countries is taught as a part of the content.

**Spanish 2 165003,**  
Prerequisites: Spanish 1  
Credits: 1.0 Completer

The development of skills begun in the first year of Spanish is continued. Greater emphasis is placed on oral proficiency, listening, reading and writing in Spanish. Knowledge of grammar is expanded, including object pronouns and most of the verb tenses beyond the present. Cultural information is taught through basic content readings and supplementary materials.

**Spanish 3 166003**  
Prerequisites: Spanish 2  
Credits: 1.0 Completer

By the third level of Spanish students are required to use the language in class conversations and read both fiction and nonfiction, including magazines and newspapers. Learning of vocabulary is greatly expanded. Some supplementary reading is required. Basic grammar is reviewed and more complex structure is taught. Cultural projects are to be carried out in the foreign language. Students are expected to write coherent paragraphs, short summaries, and outlines in foreign language. Frequent testing of listening and reading comprehension is expected in this course.

**Spanish 4 167003**  
Prerequisites: Spanish 3  
Credits: 1.0 Completer

In the level 4 Spanish course, students are expected to use the language in conversation, class discussions, in oral and written reports and research projects. Reading includes literary works, social and cultural material, magazines, and newspapers from the foreign country. Grammar is reviewed, and the finer points are analyzed through work with original compositions, summaries, reports, advanced exercises, and some translation activities. The aim is greater precision in self-expression. Students are expected to understand and write from dictation material heard for the first time. The use of the foreign language in school-wide and community projects is encouraged.

**Advanced Placement Spanish 5 Language 168203**  
Prerequisites: Spanish 4; Teacher approval  
Credits: 1.0 Completer, Weighted (Meets A and B days)

The College Board's Advanced Placement Program for Spanish 5 will provide course work, written assessments, and practical experiences culminating in the AP Spanish exam.

**Advanced Placement Spanish 6 Literature 168303**  
Prerequisites: Spanish 5; Teacher approval  
Credits: 1.0 Completer, Weighted (Meets A and B days)

The College Board's Advanced Placement Program for Spanish 6 will provide course work, written assessments, and practical experiences culminating in the AP Spanish exam.

**Spanish for Native Speakers Level 1**

Prerequisite: Native Spanish speaker

Credits: 1.0 Completer

This course is designed for students who speak Spanish, but do not read or write Spanish.



**Spanish for Native Speakers Level 2 165203**

Prerequisite: Native Spanish speaker

Credits: 1.0 Completer

This course is designed for students who are totally bilingual in Spanish and English. It is conducted entirely in Spanish for students who speak and read Spanish at the intermediate-low to mid level. The course will emphasize reading and writing, critical thinking, culture, literary exposure, and improving speaking skills.

**Spanish for Native Speakers Level 3 166203**

Prerequisite: Spanish proficiency test

Credits: 1.0 Completer

This course is designed for students who are totally bilingual in Spanish and English. It is conducted entirely in Spanish for students who speak and read Spanish at the intermediate to advanced level. The course will emphasize reading and writing, critical thinking, culture, and literary exposure, and improving speaking skills.

**Spanish for Native Speakers Level 4 167203**

Prerequisite: Spanish proficiency test

Credits: 1.0 Completer, Merit

This course is designed for students who are totally bilingual in Spanish and English. It is conducted entirely in Spanish for students who speak and read Spanish at the advanced level. The course will emphasize reading and writing, critical thinking, culture, and literary exposure and improving speaking skills.

## Health Education



### **Family Living 744300**

Prerequisites: Health Issues; Grades 11 or 12

Credits: .50 Elective

Family Living is a half-credit, dynamic health education elective course designed to meet the needs of seniors and mature eleventh grade students. This seminar type discussion oriented course examines personal development, independent living, relationships, marriage, pregnancy, parenthood, and family crises. Through a process of introspection and self-discovery, this course facilitates the development of a greater appreciation and understanding of what it takes to create and maintain a successful and healthy marriage and family.

### **Health Issues 744200, 744250**

Prerequisites: None

Credits: .50 Health

This semester course deals with the basic principles of physical, mental, social, intellectual, and spiritual health. The importance of developing and implementing behaviors that are conducive to a lifetime of good health is stressed. Key areas of focus are: safety and first aid including cardiopulmonary resuscitation (CPR) training; nutrition and fitness including dietary factors for high blood pressure, heart disease and obesity; family life and human sexuality; disease prevention and control including sexually transmitted infections, HIV/AIDS and cancer; drug and alcohol abuse prevention with an emphasis on coping with peer pressure and choosing not to use drugs; mental health including decision making, stress reduction and suicide prevention; and personal and consumer health. The family life and human sexuality unit requires prior written parental permission. All students are required to complete the Health Issues course to satisfy the half credit graduation requirement. Students cannot earn credit for this course by examination.

## Internship



The Academic Internship course provides students enrolled in an academic program of study with an opportunity to extend and apply classroom content in real-life situations through experiential learning. Students may be placed at a variety of paid or unpaid sites at non-profit agencies, corporations, government or policy institutes. The placements should be closely related to and designed to enhance their academic and career pursuits. Under the supervision of a classroom teacher, guidance counselor or other administrative official, the student interns will observe, explore, and discuss solutions to authentic problems as well as perform routine tasks. They will also maintain journals of their work experiences, design projects or other career related activities as identified by their Academic Internship teacher.

### **Career Research and Development I (CRDI) (Class) 983913**

Prerequisites: Grade 11 Student; Teacher Approval

Credits: 1.0 Completer

Career Research and Development empowers students to create a vision of their future through quality academic coursework, progressive career development, and work-based learning opportunities. CRD I is designed to teach students the process of self-awareness, career exploration, interest and aptitude assessment, and setting academic and career-related goals. Course content will integrate the development of student's competency in business writing, basic concepts of financial literacy, and Skills for Success (learning, critical thinking, communication, technology, and interpersonal). Students taking this course begin to develop a career portfolio demonstrating workplace and academic readiness.

### **Career Research and Development I (CRDI) (Class) (Intensive) 983813**

Prerequisites: Grade 11 Student; Individual Education Program (IEP) determination

Credits: 1.0 Completer

Career Research and Development empowers students to create a vision of their future through quality academic coursework, progressive career development, and work-based learning opportunities. CRD I Intensive is designed to teach students the process of self-awareness, career exploration, interest and aptitude assessment, and setting academic and career-related goals. Course content will integrate the development of student's competency in business writing, basic concepts of financial literacy, and Skills for Success (learning, critical thinking, communication, technology, and interpersonal). The class also provides direct linkages to transition services, adult agencies, and supports as students move from school to careers. Each student's needs are determined through his or her Transition Plan in the Individual Education Program.

### **Career Research and Development II (CRDII) (Class) 983923**

Prerequisites: Grade 12 Student; Teacher Approval

Credits: 1.0 Completer

CRD II is focused on career research and preparation, job seeking techniques, employability skills, i.e., ethics, oral and written communications, technology, and financial literacy. Students continue building and strengthening their career portfolios to demonstrate proficiencies in workplace readiness, personal financial management, personal growth and development, and employment experiences. Prince George's County Public Schools Students use the career portfolio as part of the interviewing process.

**Career Research and Development II (CRDII) (Class) (Intensive) 983823**

Prerequisites: Grade 12 Student; Individual Education Program (IEP) determination  
Credits: 1.0 Completer

CRD II Intensive is focused on career research and preparation, job seeking techniques, and employability skills such as ethics, oral and written communications, technology, and financial literacy. Students continue building and strengthening their career portfolio to demonstrate proficiencies in workplace readiness, personal financial management, personal growth and development, and employment experiences. Students use the career portfolio as part of the interviewing process. The class also provides direct linkages to transition services, adult agencies and supports as students move from school to careers. Each student's needs are determined through his or her Transition Plan in the Individual Education Program.



**Career Research and Development II (CRDII) (Work) 983933, 983943, 983973, 983983**

Prerequisites: Concurrent enrollment in CRD I or 2; Grade 12 Student; Teacher Approval  
Credits: 1.0 Completer

Students receive up to two credits while employed at school-approved and monitored job sites in private industry and government agencies. The work component allows students to put into practice the basic employability skills and academic content they acquire in the classroom. They attend school part of the day where they are concurrently enrolled in Career Research and Development. The student's portfolio documents proficiency in workplace readiness skills as indicated in the student's work-based learning training plan.

**Career Research and Development II (CRDII) (Work) (Intensive) 983833, 983843, 983873, 983883**

Prerequisites: Grade 12 Student; Concurrent enrollment in CRD I or II; Individual Education Program (IEP)  
Credits: 1.0 Completer

Students receive up to two credits while employed at school-approved and monitored job sites in private industry and government agencies. The work component allows students to put into practice the basic employability skills and academic content they acquire in the classroom in fields related to their career interests and capabilities. They attend school part of the day where they are concurrently enrolled in Career Research and Development. The student's portfolio documents proficiency in workplace readiness skills as indicated in the student's work-based learning training plan. The work-based learning experience is determined by each student's Transition Plan included in his or her Individual Education Program.

## Music



### INSTRUMENTAL

#### **Intermediate Band**

Prerequisites: Teacher approval  
Credits: 1.0 Fine Art

This course is designed for wind and percussion students who have able to perform intermediate level band music. Sectional or ensemble instruction should be scheduled.

#### **Advanced Band 636223**

Prerequisites: Teacher approval  
Credits: 1.0 Fine Art

This course emphasizes a high standard of musical excellence in the preparation and performance of band literature. The band provides an opportunity for instrumentalist to continue their instruction and to gain performing experience on a daily basis. Membership in this class is subject to the approval of the instrumental music teacher. Small group and ensemble instruction should be scheduled.

#### **Basic Orchestra 641003**

Prerequisites: Teacher approval  
Credits: 1.0 Fine Art

This course is designed for students playing an orchestral string instrument who have not yet developed the skills necessary to be placed in intermediate or advanced orchestra. The emphasis is on the development and remediation of musical skills rather than public performance.

#### **Intermediate Orchestra 641123**

Prerequisites: Teacher approval  
Credits: 1.0 Fine Art

This course is aimed primarily at teaching the fundamentals of string playing and performance of intermediate orchestral literature in an acceptable manner. The wind and percussion players should be added periodically to perform the orchestral literature.

#### **Special Instrumental Ensemble 641303**

Prerequisites: Teacher approval, concurrent enrollment in Intermediate /Advanced Band/Orchestra  
Credits: 1.0 Elective

This course is designed for instrumental music students desiring to enhance their musical experience through the study and performance of literature for the smaller instrumental ensemble. Possible offerings are string or wind chamber music, jazz ensemble, instrumental choirs, and percussion ensemble.

## VOCAL AND GENERAL



### **Chorus - Mixed**

Prerequisites: None  
Credits: 1.0 Fine Art

This full-year course offers instruction in intermediate vocal techniques, score reading and includes study and performance of mixed chorus literature. The teacher selects students through prior audition. This group has out-of-school performances, which may require after-school rehearsals. Three & four part medium level chorus literature.

### **Concert Chorus**

Prerequisites: Previous experience preferred  
Credits: 1.0 Fine Art

This full-year course offers instruction in, and study and performance of, advanced vocal techniques, score reading and large ensemble or chamber chorus literature. The teacher selects students through prior audition. This group may perform extensively in out-of-school performances, which may require after-school rehearsals. Four part medium to advanced chorus literature.

### **Women's Chorus - Soprano and Alto**

Prerequisites: None  
Credits: 1.0

This full-year course offers instruction in intermediate vocal techniques, score reading and includes study and performance of mixed chorus literature. The teacher selects students through prior audition. This group has out-of-school performances, which may require after-school rehearsals. Two and three part medium level chorus literature. Students are eligible to participate in county Vocal Solo and Ensemble assessments and are required to participate in the choral assessment festivals.

### **Music Survey 645103**

Prerequisites: None  
Credits: 1.0 Fine Art

This course is a full-year or semester course for the student who wishes to become a knowledgeable consumer of music. Experiences will include: choosing and caring for sound systems and recordings; learning about performing artists and composers of today; studying about and attending musical theatre. Music history and appreciation literature.

**Musicianship 1A 623000**

Prerequisites: None  
Credits: .50 Fine Art

A beginning semester course in music that includes theory, ear training, dictation, sight singing and analysis of simple form and structure. Music theory text and simple keyboard literature



**Musicianship 1B 624000**

Prerequisites: Musicianship 1A or equivalent knowledge  
Credits: .50 Fine Art

Continuation of semester course that includes theory, ear training, dictation, sight singing and analysis of simple form and structure. Music theory text and simple keyboard literature.

**Musicianship 2A 625000**

Prerequisites: Musicianship 1B or equivalent knowledge  
Credits: .50 Fine Art

An intermediate semester course in music theory, ear training, dictation, sight singing, analysis of musical forms, and arranging for voice and instruments. Music theory text and simple keyboard literature.

**Musicianship 2B 626000**

Prerequisites: Musicianship 2A or equivalent knowledge  
Credits: .50 Fine Art

Continuation of semester course in music theory, ear training, dictation, sight singing, analysis of musical forms, and arranging for voice and instruments. Music theory text and simple keyboard literature.

## Navy JROTC



The Navy JROTC program seeks to promote and instill in students the value of citizenship, service to the United States, personal responsibility and a sense of accomplishment. Through course work designed to encourage patriotism, developing informed citizens and responsibility NJROTC gives students the opportunity to develop their leadership potential at every level. Instruction includes making intelligent choices, personal honor, self-reliance and discipline; living a healthy and drug free life; and promoting the importance of preparedness, education and high school completion, and career exploration.

### **Naval Science 1 999503**

Prerequisites: None  
Credits: 1.0 Elective

Naval Science 1 is the first of a three or four year Naval Science program. The NJROTC program emphasizes each person's responsibilities in American society. The program includes classroom instruction, physical fitness, and military drill, wearing the uniform, practicing military customs and courtesies, and leadership training. Students will be introduced to leadership theories on ethics and values; be exposed to the most technologically advanced and sophisticated communication network systems that make the USN the leader in electronic communications; and develop and motivate students to use the skills learned in NJROTC to be successful in high school and beyond.

### **Naval Science 2 999603**

Prerequisites: NJROTC 1  
Credits: 1.0

This course continues the instruction offered in Naval Science 1 at an advanced level. NJROTC 2 is intended to meet the needs of cadets who desire further training in Naval subjects and to gain additional leadership experiences. Naval Subjects (Maritime Geography, Meteorological-Astronomy, and Oceanography).

### **Naval Science 3 999703**

Prerequisites: NJROTC 2  
Credits: 1.0 Elective

This course continues the instruction offered in Naval Science 1 and 2 at an advanced level. NJROTC 3 is designed to meet the needs of cadets who desire advanced training in Naval subjects and to gain additional leadership experiences while holding cadet officer positions. Naval Subjects (National Security, Maritime Navigation, Laws of the Sea)

### **Naval Science 4 999803**

Prerequisites: NJROTC 3  
Credits: 1.0 Elective (Completer)

This course continues the instruction offered in Naval Science 1, 2, and 3 but at an advanced level. NJROTC 4 is designed to meet the needs of senior cadets participating in the full four-year NJROTC program. Fourth year NJROTC comprise the command staff responsible for planning, organizing, and administering unit activities. They receive course work in advance leadership and organizational theory; complete workshops on college preparation; and career exploration.

## Physical Education



Students may not be exempt or waived from Physical Education except for medical reasons.

### **Lifetime Sports 1**

Prerequisites: None

Credits: .50 P.E.

This semester course will provide learning experiences in a variety of individual and dual sports such as tennis, archery and bowling. Students acquire knowledge, skills and appreciation of lifetime sports which have carry-over value for recreational pursuits. Activities in this course must be offered as co-educationally. (Mandated Title IX).

### **Team Sports 1**

Prerequisites: None

Credits: .50 P.E.

This semester course will consist of three activities and will provide learning experiences in team sports such as flag football, soccer and basketball. Opportunities for leadership skills are developed through organizing, administering and officiating intra-class competitions. Emphasis is placed on the development of high degrees of competency through the mastery of more complex movement. Activities in this course must be offered co-educationally (mandated Title IX).

### **Your Personal Fitness 1**

Prerequisites: None

Credits: .50 P.E.

This semester course will provide students with the knowledge and skills needed to develop and maintain a lifetime of optimal health and fitness. The following components are included: physical fitness activities (aerobic walking, aerobics, step aerobics, rope jumping and weight training), grooming, nutritional awareness, stress management and environmental factors that influence one's health. A variety of self-assessment will be used so that students can design and implement a personal wellness plan. This course must be offered co-educationally (mandated Title IX).

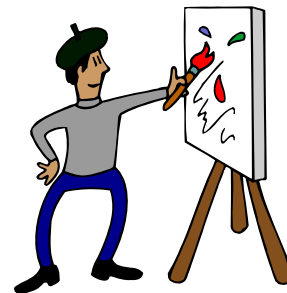
### **Physical Training**

Prerequisites: None

Credits: .50 P.E.

This semester course is designed as a conditioning course for students who wish to improve Strength and endurance. Areas that may be explored are physical fitness, circuit training, isometrics, weight training, body mechanics, jogging and/or running and fundamental theories of body conditioning. Activities must be offered co-educationally (mandated Title IX).

## Visual Arts



### **Art 1 602103**

Prerequisites: None  
Credits: 1.0 Fine Art

Art 1 is designed as an entry-level course for the high school student. The curriculum provides a broad base of art experiences including: design, drawing, printmaking, painting, sculpting, lettering and crafts. Each art unit includes both a sequentially structured, hands-on experience, art vocabularies and a theoretical section that relates the cultural, historical, aesthetic significance, and critical analysis of the art form. The emphasis in each unit is on the development of fundamental concepts, technical and problem-solving skills. The course concludes with an introduction to careers in art.

### **Art 2 602203**

Prerequisites: Art 1  
Credits: 1.0 Fine Art

This course is designed for students who have successfully completed Art 1. The curriculum is designed with a broad base of art experiences; however the emphasis is on increasing development of the students' art concepts and artistic skills. The art student is introduced to cultural, historical and aesthetic material that relates to the studio assignments. Further development of art vocabulary with increasing emphasis placed on a portfolio of work in design, drawing, printmaking, painting, sculpture, graphic design and crafts.

### **Art Appreciation 1 603100 (paired with Art Appreciation 2)**

Prerequisites: None  
Credits: .50 Fine Art

This semester course consists of studying the major approaches to understanding visual art: subject matter, materials, techniques, vocabulary and critical analysis. How the artists use these approaches to communicate will be emphasized. Works of art will be studied through the use of textbook, slide lectures, the Internet, and discussion. Students are expected to write about art, prepare oral presentations, critically discuss visual art products as well as create original work in the studio. All students will be expected to maintain a journal/sketchbook.

### **Art Appreciation 2 604100 (paired with Art Appreciation 1)**

Prerequisites: Art Appreciation 1  
Credits: .50 Fine Art, Merit

This second semester course traces the history of visual arts in America from the Colonial period to the present. Painting, sculpture, graphics and architecture will be studied through a textbook, slide lectures, and the Internet. The students will be expected to write and discuss art, and major art movements. The students will also prepare oral presentations and critically analyze art. Students in the studio will create original work. Emphasis will be placed on the contribution of the artists in the growth and development of the United States. All students will be expected to maintain a journal/sketchbook.

### **Basic Design 612200 (paired with Basic Printmaking)**

Prerequisites: None  
Credits: .50 Fine Art

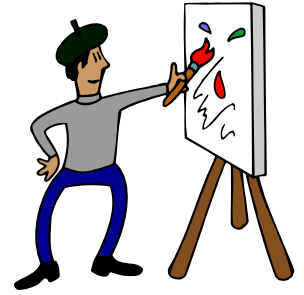
This semester course is intended for students who have had little art background. Most work in class will be flat work. This unit will stress such areas of concentration as design elements and principles in drawing, painting, and printing. Students will study the history of design. They will learn the fundamentals of critiquing artwork. All students will be expected to maintain a journal/sketchbook.

### **Basic Printmaking 613400 (paired with Basic Design)**

Prerequisites: None

Credits: .50 Fine Art

This semester course will allow the student to explore printing and stenciling as vehicles for creative self-expression. The course will incorporate lettering and layout and various commercial aspects of advertising art. The history of printmaking will be studied. Students will critique the work of master printmakers. All students will be expected to maintain a journal/sketchbook.



### **Ceramics 1 611503**

Prerequisites: None

Credits: 1.0 Fine Art

In this year-long course, students will learn to make pottery and other clay forms using traditional and exploratory methods. Decorating techniques will be explored. Emphasis will be placed on developing proficiency in techniques, developing art vocabulary and handling of equipment. Students will be expected to produce original clay products. The influences of other cultures will be examined. Students will critique their own work and the work of significant traditional and contemporary ceramic artists.

### **Ceramics 2 611803**

Prerequisites: Ceramics 1 and Teacher Permission

Credits: 1.0 Fine Art

In the year-long course, students will produce clay products using advanced skills and techniques used in Ceramics 1. Emphasis will be placed on ceramic design and skill in handling materials, tools, and equipment. Advanced skills and techniques will include mold formation and pouring. Emphasis will be on the creation of clay pieces with lids, handles, openings and other utilitarian and decorative devices. The influences of other cultures will be examined. Students will critique their own work and the work of significant traditional and contemporary ceramic artists. The emphasis on this course will be on ceramics as sculptural form.

### **Computer Graphics 1 611903**

Prerequisites: Graphic Design, Art 1, Basic Design and Teacher Permission

Credits: 1.0 Fine Art

This course is an introductory exploration of the creative potential, nature and use of the computer imaging system as an artist's tool. It will provide an opportunity for students to develop skills needed to create computer-generated images through their interaction with the software as well as various input and output devices.

### **Computer Graphics 2 619503**

Prerequisites: Computer Graphics 1 and Teacher Permission

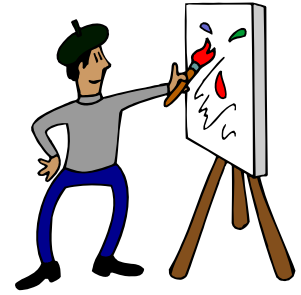
Credits: 2.0 Fine Art

In order to fully utilize the in-depth experience this two-credit class will offer, students should be well acquainted with either Macintosh or PC computer skills, and have a working knowledge of basic drawing, painting and word-processing programs. This course is not hardware or software-specific, but rather is an instructional methodology for communications design, utilizing electronic tools. The lessons are sequentially organized for skill building, each lesson constructed with prior learning in mind.

**Crafts 1 601100 (Paired with Crafts 2)**

Prerequisites: None  
Credits: .50 Fine Art

This introductory semester course deals with the aesthetics of craft design. It stresses the development of fundamental skills and the knowledge necessary to work intelligently and creatively with craft media. Students will be expected to learn appropriate art vocabulary. The area of study will be American crafts. Study of the historical heritage of the crafts produced is a part of the course.



**Crafts 2 601200 (Paired with Crafts 1)FOR ESOL STUDENTS ONLY**

Prerequisites: Crafts 1  
Credits: .50 Fine Art

The second semester of Crafts will continue with American crafts. The aesthetics of design and craftsmanship will be stressed in the development of the products produced. Some techniques and processes from Craft 1 will be repeated to enhance the crafts produced in this course. Study of the historical heritage of the American crafts will be an integral part of this course.

**Drawing and Painting 1 611103**

Prerequisites: Art 1 and teacher recommendation  
Credits: 1.0 Fine Art

This year-long course will provide opportunities for students to develop drawing and painting skills. A variety of materials and techniques will be used to produce compositions. Organization of compositions will be based on the Elements and Principles of Design. Students will be expected to produce original drawings and paintings and critique those works. Students will be expected to develop art vocabulary. The work of master artists will be discussed.

**Honors Art Studio 1 610003**

Prerequisites: Art 1; Teacher Approval  
Credits: 1.0 Fine Art

This year-long course is designed for the advanced junior and senior student who has matured artistically and aesthetically. The art teacher and the student will develop an outline and plans for a portfolio of artwork to be executed. The use of a variety of techniques, skills, and media will be part of the student portfolio. Standards for organizing portfolios and entering work in national and local art shows will be a primary concern. The student will prepare and present a portfolio of work.

**Sculpture 1 611303**

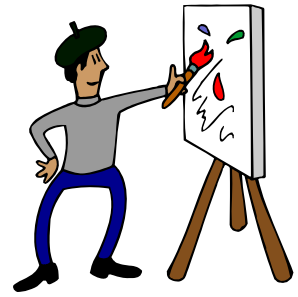
Prerequisites: Art 1  
Credits: 1.0 Fine Art

This year-long course will emphasize sculpture processes. Students will be expected to produce original sculpture forms using a variety of materials and techniques as well as develop art vocabulary. The importance of craftsmanship will be stressed. The works of master sculptors will be examined. Students will discuss and critique their work and the work of master sculptors.

**Sculpture 2 611403**

Prerequisites: Sculpture 1 and Teacher Permission  
Credits: 1.0 Fine Art

This year-long course is for students who have mastered the objectives and skills covered in Sculpture 1. Students will be encouraged to work individually on more advanced projects and to strengthen their ability to use the various sculpture methods. Emphasis will be placed on design and form. Students will be expected to produce original sculpture pieces. Self-evaluation will be stressed. Discussion and critiques of student work and sculptures of master artists is an integral part of this course.

**Advanced Placement Computer Graphics**

Prerequisites: Art 1, Computer Graphics 1 and teacher permission  
Credits: 2.0 Fine Art; Weighted

This course is an exploration of the creative potential, nature and use of computer imaging, typography, and layout and design programs as artists' tools. It will provide an opportunity for students to acquire and develop the skills needed to create various types of computer generated work using software, internet and various input and output devices. Students will be expected to acquire and develop the skills associated with operating and maintaining a computer. They will be expected to develop proficiency in their use of the hardware, software and accessories available to them in this course. Art History, Art Criticism, Aesthetics, and Art Production will be addressed for computer imaging, typography, layout and design in order to assure that students acquire knowledge and understanding of the visual and graphic arts and a foundation upon which to make sound aesthetic judgments. All students will be expected to maintain a journal/sketchbook and submit a portfolio for the AP Exam.

**Advanced Placement Studio Drawing Portfolio**

Prerequisites: Art 1 and teacher permission  
Credits: 2.0 Fine Art; Weighted

The Advanced Placement Studio Art Program enables highly motivated students to do college level work in studio art while still in high school. AP Studio Art students submit a portfolio of work for evaluation at the end of the school year. This program is intended for students seriously committed to studying art. Portfolios are evaluated on quality, concentration and breadth.

**Advanced Placement Art History 616903**

Prerequisites: 11th or 12th grade student; teacher permission  
Credits: 1.0 Fine Art; Weighted

The Advanced Placement Program in the History of Art is designed to provide the same benefits to secondary school students as are provided by an introductory college course in art history: an understanding and enjoyment of architecture, sculpture, painting, and other art forms within a historical and cultural context. In the course students learn to look at works of art with intelligence and sensitivity, examining the major forms of artistic expression of past cultures, as well as those of our own time and environment. Production experiences will be part of this course. Students who achieve this goal may receive advanced placement and/or credit at many colleges and universities.

**Television Production 1 760103**

Prerequisites: None  
Credits: 1.0 Fine Art

This introductory course offers the student the opportunity to assist in the direction and production of television programs. This course is an introduction to television. It will acquaint students with the techniques and problems of television production through application of theory and methods. The course will survey all aspects of television production from camera operation to directing. The students will cover the basic elements needed for a production including script writing. Practical application of these theories is provided through the student productions in the television studio.



**Television Production 2 760203**

Prerequisites: Television Production 1  
Credits: 1.0 Fine Art, Completer

This course is a continuation of TV Production I on a more advanced level. Students are introduced to the industry standard video editing platform *Avis* and the plug-in special effects program *Boris Red*. Students learn and understand the concepts of editing by shooting, directing and producing shorts. Students are admitted to the class only by Teacher Permission.

**Television Production 3 760503**

Prerequisites: Television Production 2; Teacher Permission  
Credits: 1.0 Fine Art, Completer

This is an independent class for students who plan to pursue a career in TV and Film Production. Students are admitted to the class only by Teacher Permission

