



Curriculum & Program Guide

2023-2024

Plainedge High School

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Plainedge High School

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Curriculum and Program Guide

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PLAINEDGE PUBLIC SCHOOLS

PLAINEDGE HIGH SCHOOL
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Superintendent of Schools

ROBERT AMSTER
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Dear Parents and Students:

It is time to start considering next year's schedule of classes. The choices you make over the next few weeks will impact you for the entire 2023-2024 school year. It is important you set goals as a family—goals for next year and beyond. Consider whether the courses you are taking will prepare you for whatever future you choose to pursue. If you plan to go to college know that colleges expect you to take a full course load of challenging classes. Is this the schedule you have chosen? If not, why not? Are your expectations for yourself high enough? These are crucial questions you must answer before you request classes for next year.

This program guide is a wealth of important information for you to consider as you plan for next year. Inside you will find course descriptions for every class we offer at Plainedge High School. Classes are listed by department and each department section outlines expectations, goals and requirements. In addition, this guide includes expectations and standards, graduation requirements, and co and extra-curricular opportunities.

Please take time as a family to read this guide carefully and discuss short and long-term goals. Your guidance counselors and teachers will provide you support and answer specific questions you may have, but your plans for the future must begin at home.

Robert Amster
Principal

GRADUATION REQUIREMENTS

In order to earn a diploma, every student must earn a minimum of 22 credits in addition to meeting specific testing competencies. Only those students who successfully complete the diploma requirements will take part in the graduation exercises.

REQUIRED CORE COURSES	LOCAL DIPLOMA (For students with IEPs only) ¹	REGENTS DIPLOMA	REGENTS DIPLOMA WITH ADVANCED DESIGNATION
English	4 credits with 1 Regents exam (55 or higher grade)	4 credits with 1 Regents exam (65 or higher grade)	4 credits with 1 Regents exam (65 or higher grade)
Social Studies	4 credits with 2 Regents exams (55 or higher grade)	4 credits with 2 Regents exams (65 or higher grade)	4 credits with 2 Regents exams (65 or higher grade)
Mathematics <i>These credits are in addition to those earned at the Middle School</i>	3 credits with 1 Regents exam (55 or higher grade)	3 credits with 1 Regents exam (65 or higher grade)	3 credits with 3 Regents exams (Algebra I, Geometry and Algebra II) (65 or higher grade)
Science <i>These credits are in addition to those earned at the Middle School</i>	3 credits ² with 1 Regents exam (55 or higher grade)	3 credits ² with 1 Regents exam (65 or higher grade)	3 credits ² with 2 Regents exams (65 or higher grade)
LOTE ³ (Language other than English)	1 credit	1 credit	3 credits ⁴
Physical Education ⁵	2 credits	2 credits	2 credits
Art and/or Music	1 credit	1 credit	1 credit
Health	½ credit	½ credit	½ credit
Electives	3 ½ credits	3 ½ credits	1 ½ credits
TOTAL	22 credits	22 credits	22 credits

- All students must score a 65 or above on 5 required Regents exams. However, the low-pass option of scoring 55-64 on the required Regents exams to earn a Local Diploma will continue to be available for students with disabilities. (The Local Diploma option is not available unless a student is classified with a disability.)
- Included in the 3 Science credits earned, one must be a Living Environment course.
- Students are required to complete 1 credit of LOTE in high school or pass in Grade 8.
- Students must pass the locally developed Checkpoint B LOTE examination with a score of 65 or better. Or students may substitute 5 credits of art, music or career and technical education. However, students who use this substitution option must still earn at least one LOTE credit.
- All students must take physical education each semester and earn the equivalent of 2 credits in order to graduate. Every year a student attends high school he/she must be enrolled in a physical education course.

COLLEGE CREDIT COURSES

Plainedge High School offers courses that can be taken for college credit. Students can register for courses given at the high school that will enable them to earn college credit at Adelphi University, Long Island University at Post, Molloy University, SUNY Farmingdale, St. John's University, Syracuse University, and also through the College Board Advanced Placement Program. Students planning to take a college credit course should discuss options with their guidance counselor.

Advanced Placement Program (AP)

Students enrolled in an Advanced Placement course are required to take the Advanced Placement Examination given in the subject, for which there is a fee. To receive Advanced Placement credit, accepted by most colleges and universities, a student must receive a satisfactory grade in the Advanced Placement Examination given in May. All students enrolled in an AP course must take the exam in May.

Adelphi University

Students planning to take courses for college credit at Adelphi University will have to pay per course. The cost per course is \$390.00*. Students with a satisfactory record of performance will be recommended for placement in these courses. In addition, students will have access to Adelphi's library to use as needed.

Molloy University

Students planning to take courses for college credit at Molloy University will have to pay per course. The cost is \$250.00* per course.

LIU Post

Students planning to take courses for college credit at LIU Post must apply for admission to the college. The cost per three credit course is \$290.00*. Students have full use of the campus facilities such as the library and sports center. An instructor from LIU Post is assigned to each of the classes at the high school and will periodically appear as a guest lecturer.

SUNY Farmingdale

Students planning to take courses for college credit at SUNY Farmingdale will have to pay per course. The cost is \$150.00* for a three credit course.

St. John's University

Students planning to take courses for college credit at St. John's University will receive 3 credits per semester (fall and spring). After successful registration and completion of course, students receive a total of 6 credits for the academic year. The cost per semester is \$325.00*.

Syracuse University (SUPA)

Students planning to take courses for credit through Project Advance must pay \$115.00* per credit, and have a minimum grade of B in their prior studies. Teacher recommendation is also required.

***Costs for college credits are based on Fall 2022 costs and are subject to change.**

COLLEGE CREDIT COURSES

Course	AP	Adelphi	LIU Post	Syracuse	Molloy	SUNY Farmingdale	St. John's
ART							
Art	X						
College Digital Photography II						X	
ENGLISH							
College English			X				
English Language	X						
English Literature	X						
CAREER & TECH EDUCATION							
College Accounting					X		
College Marketing					X		
Computer Science Principles	X						
College Virtual Enterprise						X	
MATH							
Calculus	X						
College Calculus					X		
College Pre-Calculus/Pre-Calculus H					X		
College Statistics					X		
MUSIC							
Music Theory	X						
SCIENCE							
Biology	X	X					
Chemistry	X	X					
Forensic Science				X			
Physics	X	X					
College Engineering						X	
SOCIAL STUDIES							
College Economics			X				
College Government			X				
College Psychology I			X				
College Sociology				X			
Economics	X						
Psychology	X						
Research	X						
Seminar	X						
US Government & Politics	X						
US History	X						
World History	X						
WORLD LANGUAGE							
Italian IV							X
Italian V							X
Spanish IV							X
Spanish V	X						

AP CAPSTONE PROGRAM

AP Capstone is an innovative diploma program that helps you stand out in the college admission process by developing the critical skills needed to succeed in college and in life.

This program is based on two yearlong AP courses: AP Seminar and AP Research. These courses are designed to complement other AP courses that the AP Capstone student may take in high school.

Instead of teaching specific subject knowledge, AP Seminar and AP Research use an interdisciplinary approach to develop the critical thinking, research, collaboration, time management, and presentation skills students need for college-level work.

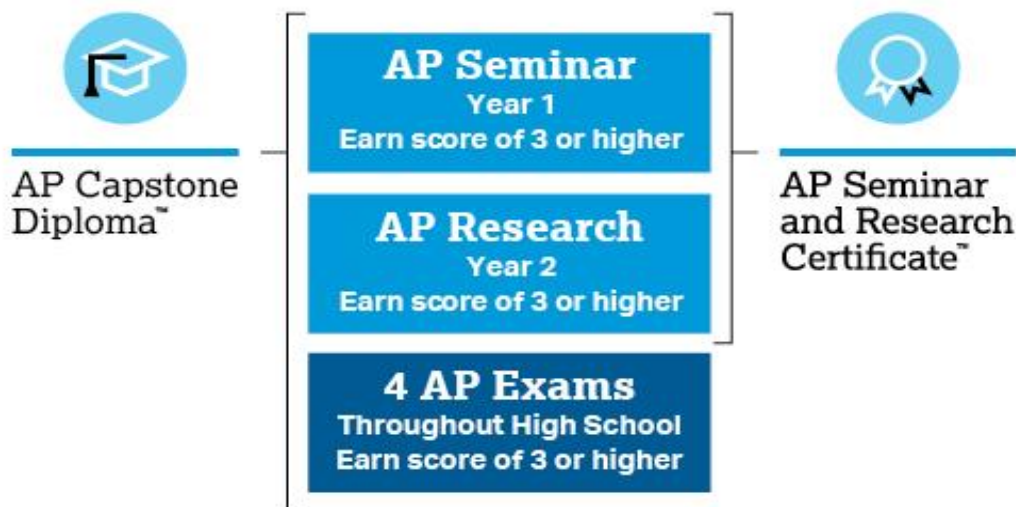
The program immerses high school students in the challenging practice of the critical skills students need today. The ability to think independently, write effectively, research, collaborate, and learn across disciplines is essential for success in college and beyond.

AP Seminar and Research Certificate and AP Capstone Diploma

Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma.

This option allows students taking multiple AP courses to distinguish themselves to colleges and universities. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and Research Certificate.

Students will typically take AP Seminar in the 10th grade, followed by AP Research in the 11th grade. The full descriptions of the individual courses, **AP Seminar** and **AP Research** can be found in the Research Program section of this guide on page 42.



ACADEMIC POLICIES

Guidelines for Credits

It is recommended that students complete at least 5 ½ credits a year per schedule below:

<u>Grade</u>	<u>Credits Completed</u>
9	5 ½
10	11
11	16 ½

GPA

A student's grade point average (GPA) is the cumulative average of all courses taken at Plainedge High School. Courses taken at other high schools appear on the transcript with the final grades, but they are not factored into the GPA. Summer school grades are averaged into the Plainedge GPA but they do not replace the grades received in the courses during the year. Both the summer school grade and the grade received during the year appear on the transcript.

Honor Roll

Students appear on the Honor Roll if the average of all their courses is 85 or higher, with at least an 80 in all courses. For the High Honor Roll, students need a minimum average of 90 with at least an 80 in all courses. Honors and AP courses are not weighted in the calculation of Honor Roll.

GPA Calculations

Cumulative GPAs will be posted on student transcripts. The weight factor does not appear on the report card or transcript, it appears only in the calculation of the GPA. Advanced Placement classes will carry a weight of 1.10. Honors, College, Pre-calculus and Regents Physics classes will carry a weight of 1.05.

Student Recognition

Students with a cumulative average of 90-94.9 GPA at the midpoint of senior year will receive a Cum Laude notation on their mid-year transcript. Students with a 95-99.9 will receive a Magna Cum Laude notation and students with 100 and above will receive Summa Cum Laude. At the end of senior year, the students who have maintained their GPA will receive a seal with the appropriate notation on their high school diplomas. There will be a Valedictorian and Salutatorian for each class and they will be determined by the mid-year GPA.

Repeating Courses

Students who fail required courses during the year may repeat these courses in summer school. Please note that Plainedge UFSD does not offer summer school. If a student does not attend summer school the failed course must be repeated during the next school year in lieu of the scheduled course in that subject area. For example, a student who fails Global History 9 must repeat the course in 10th grade and take Global History 10 in 11th grade. The student cannot take both Global History 9 and 10 in the same year.

Regents Exams

In addition to showing the final average of every course, student transcripts also show the scores of Regents exams taken by the student. If a student retakes a Regents exam, only the higher score appears on the transcript. **In courses where Regents exams are calculated in the final average:** if a student retakes the Regents exam within the same school year and receives a higher score, the final average will be recalculated.

ACADEMIC POLICIES

Dropped Courses

If a course must be dropped due to a schedule change, there is no penalty (the course will not appear on the transcript) for up to five weeks for semester courses and up to ten weeks for full year courses. However, an appropriate course must replace the dropped course based on availability. If the deadline is exceeded the course will appear on the transcript with a withdrawal (W). If the student is failing the course at the time of withdrawal W/F will appear.

Change in Level

Changes in level are based on teacher recommendation and course availability. When a student must change levels, i.e. from AP World to Global 10, after the first or second quarters, the report card grade(s) and weight factor will follow the student into the new course. For example, a first quarter grade of 70 in AP World, with the 1.1 AP weight factor becomes 77. This grade will stand as the first quarter grade if the student moves to Global 10.

District Programming Policy

Programming procedures are employed that allow for and encourage full participation by students, parents, teachers and other professional staff. Differences of opinion shall be resolved amicably. Where such resolution is not possible, the requests of parents for enrollment in courses shall be granted except for admission to courses for which prerequisites are required and shall be limited to students who meet those prerequisites.

Grade 9	Grade 10	Grade 11	Grade 12
English 9 or English 9 Honors	English 10 or English 10 Honors	English 11 or AP Language	English 12, College English or AP Literature
Global History 9 or Pre-AP World History 9	Global History 10 or AP World History	US History or AP American History	Political & Economic Perspectives (PEP) College Eco & Gov't or AP Gov't/AP Eco
Geometry Geometry Honors Transitional Geometry Algebra I	Algebra II Algebra II Honors Geometry Transitional Algebra Transitional Geometry	Pre-Calculus Pre-Calculus Honors Algebra II Transitional Algebra Intermediate Algebra Interactive Math College Statistics	AP Calculus AB or BC College Calculus College Statistics Algebra II Math 12 Interactive Math Intermediate Algebra
Biology Biology Honors	Chemistry Chemistry Honors	Physics AP Physics or Science electives	AP Biology AP Chemistry or Science electives
Physical Education	Physical Education	Physical Education	Physical Education
World Language Level 2	World Language Level 3	World Language Level 4	World Language College Level Italian V, AP Spanish or Spanish V
Music, Art, Health or Career and Technology Education	Electives: Art, Music, Technology, English, Social Studies, Math, Science	Electives: Art, Music, Technology, English, Math, Science, Social Studies OR Occupational Education half day program at Tech Center (for vocational students)	Electives: Art, Music, Technology, English, Math, Science, Social Studies OR Occupational Education half day program at Tech Center (for vocational students)

SPECIAL EDUCATION

OVERVIEW

In a school district the size of Plainedge, it is obvious that the educational needs of individual students will vary considerably. In order to accommodate these needs, support services have been established within the district for students with disabilities. In cooperation with other districts and with the Board of Cooperative Educational Services (BOCES), special services are also available outside of our local school district.

EVALUATION

Each student in a special education program has an Individualized Education Program (IEP) that includes student-specific goals to address academic weaknesses. Student progress in special education programs is measured by student's performance on IEP goals. Progress is monitored by the special education provider. Progress reports are sent out quarterly.

RELATED SERVICES

Related services are provided in accordance with a child's IEP and can include: Speech & Language Therapy, Occupational Therapy, Physical Therapy, Counseling, Vocational Counseling, and Itinerant Services.

RESOURCE ROOM

Resource Room is provided daily by a special education teacher to a group of up to five (5) students. Resource Room services focus on addressing student's academic weaknesses.

INTEGRATED CO-TEACHING (ICT)

Integrated Co-Teaching classes are comprised of a general education teacher, a special education teacher, general education students, and no more than twelve (12) special education students (or 50% of the class population, whichever is smaller). Special education teachers address student weaknesses in the class setting.

SPECIAL CLASS – 15:1:1

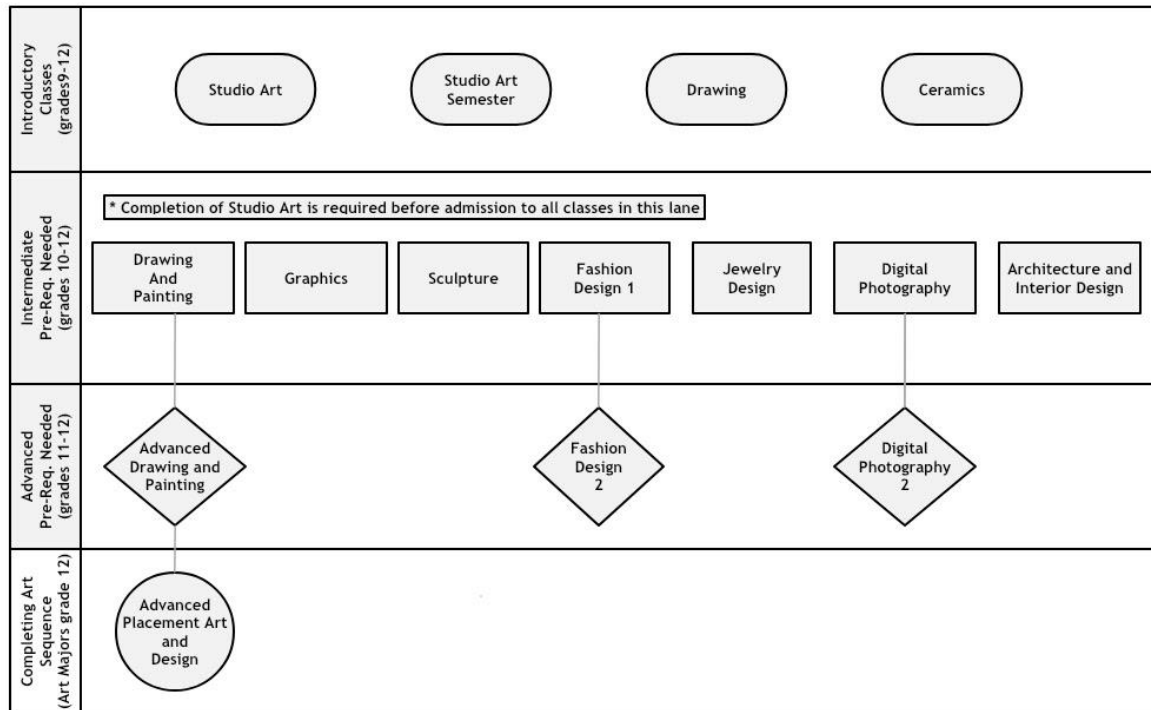
A Special Class – 15:1:1 program is comprised of a special education teacher, teaching assistant and up to fifteen (15) special education students. Coursework culminates in Regents exams. Special education teachers address student weaknesses in the class setting.

SPECIAL CLASS – 9:1:3

A Special Class – 9:1:3 program is comprised of a special education teacher, three (3) teaching assistants/aides, and up to nine (9) special education students. Special education teachers address student weaknesses in the class setting. Students in this program are Alternately Assessed and are on a pathway to obtain a Skill and Achievement Commencement Credential (SACC). The program includes a Vocational Counseling component.

ART DEPARTMENT

Plainedge High School Fine Art Flow Chart



ART DEPARTMENT

OVERVIEW

The Plainedge School District has compiled some of the most talented fine art specialists on Long Island to share their knowledge and love for creating. Our students will develop creative skills and techniques to pursue their comprehension of the arts. These art classrooms provide a welcoming and all inclusive environment which enables young artists to feel comfortable expressing themselves. The skills acquired here will prepare students to compete in university level programs across the nation. This foundation is an important building block for all art careers including architecture, media arts, communication, advertising, art history, art education, interior design, fashion design, graphic design, industrial design, photography, commercial art, illustration, art therapy and fine art.

GOALS

- Establish aesthetic sensitivity, creative confidence, and self esteem
- Enable students to develop the attitudes for realizing their creative potential and for making valid aesthetic judgements
- Preserve, enlarge and transmit cultural and artistic heritage
- Contribute to the development of an increasingly multi-literate, enlightened and humane population

SEQUENCE

- Students who wish to be exempt from the World Language requirement can complete a 5 credit sequence in art, while remaining eligible for a Regents with Advanced Designation (5 Credits: Studio art plus 4 additional credits of advanced art)
- Students who wish to complete a portfolio and possibly pursue higher education in art, it is suggested that they take the following 4 year sequence of courses: Studio Art, Drawing and Painting, Advanced Painting and AP Art and Design

HIGHLIGHTS

- Field trips to various fun and exciting museums and galleries
- Three seasonal art shows held at the Brian Moore Athletic Center
- Plainedge Art club that participates in various community functions
- National Art Honor society for distinguished artists who excel in their field
- Nassau County All County Art exhibit including awards and scholarships
- Ability to earn college credits while creating a portfolio through upper level classes such as Advanced Placement and College Digital Photography II

ART DEPARTMENT COURSES

STUDIO ART – 1 Credit

This course is a springboard to all our other art courses! It touches on the building blocks of drawing, painting, sculpture and art history. Students will explore different media (graphite, pastel, charcoal, watercolor, pen, marker and ink, etc...) and various techniques to use them. Creative thinking is encouraged. At the completion of Studio Art students will have developed a strong foundation that prepares them for additional art courses. Bring your imagination!

STUDIO ART SEMESTER – ½ Credit

A comprehensive art foundation course designed to teach the basic skills in drawing, painting, sculpture, and art history. This course continues the first part of the Studio Art curriculum taken at the middle school level. This class provides a positive and welcoming environment where various techniques and materials will be taught to artists working at all different skill levels. This too satisfies graduation requirements.

ARCHITECTURE AND INTERIOR DESIGN – ½ Credit

Prerequisite: Studio Art

Do you want to design your dream home just like the pros on HGTV? This course is for students interested in architectural drawing. We will also learn to draw furniture, design textiles and décor to create your own interior designs. Expand your knowledge of perspective while creating an actual 3D model. A field trip to NYC is part of this class experience.

CERAMICS – ½ Credit

This is an introductory half year course that will explore the properties of clay! Come learn one of the oldest art forms while creating decorative and useful projects that will last a lifetime. Hand building, wheel throwing, and glazing methods are just some of the exciting techniques covered in this course. This course includes a field trip to a museum or gallery.

DRAWING – ½ Credit

Everyone is welcome to this class: no prerequisite required. Develop your personal drawing style. This ½ year course helps build students' drawing skills while encouraging them to explore nature, imagination and observation in traditional and experimental styles. Media may include graphite, charcoal, pastel, watercolor pencils, pen, marker, ink, etc...). Feel free to bring your ideas of what you'd like to draw to class!

DRAWING AND PAINTING – 1 Credit

Prerequisite: Studio Art (may not be taken simultaneously with prerequisite)

This course builds on the art experience you had in Studio Art. Students will explore many materials and skills using acrylic paints, pencil, pastel, marker, ink, watercolors and many more. All projects may be used for a portfolio if you choose. Field trips to NYC museums are an exciting part of this course.

ART DEPARTMENT COURSES

ADVANCED DRAWING AND PAINTING – 1 Credit

Prerequisites: Studio Art, Drawing and Painting

This course builds and expands on what you learned in drawing and painting. In this class you will learn advanced techniques of painting using oil paint. Also you will learn advanced drawing techniques using pastels, charcoal, pencil, and markers. This course is an opportunity for you to grow as an artist and create personal work that is suitable for your portfolio (if you choose to make one) NYC field trips to museums and galleries are a part of this course.

AP ART and DESIGN – 1 Credit (ability to earn college credit)

Prerequisites: Studio Art, Drawing and Painting, and Advanced Painting or Teacher Recommendation

This is a college level course approved by the AP College Board. During this course students will create work that they design, with the guidance of their teacher. This is an opportunity for students to finally do work of their own choosing and develop their own style including, drawing, painting, photography, graphic design, sculpture, and ceramics. This portfolio can be used for college entrance and the AP exam. Additionally students will receive an extra 10% weighting for the course, added to their GPA. NYC field trips to museums and galleries are an important part of the AP course.

DIGITAL PHOTOGRAPHY I – ½ Credit

Grades 10-12

Prerequisite: Studio Art

Students will explore digital photography and learn how to use a professional DSLR camera to enhance their creative photography skills. Students will learn about manual functions of the camera and how to manipulate them to create different photographic effects. We will explore portraiture, landscape and visual storytelling both outdoors and in our photography studio. Students will use Adobe Lightroom and Photoshop in our new state of the art Mac computer lab to edit their photos.

COLLEGE DIGITAL PHOTOGRAPHY II – ½ Credit

Prerequisite: Digital Photography (ability to earn college credit)

Students will continue to hone their fine art photography skills with the use of a DSLR camera and Adobe Lightroom software. In this choice-based course students will expand upon basic manual skills to practice and master more advanced techniques. Students will explore new techniques such as green screen, macro, splash photography and photo transfer through a series of classroom challenges. Outdoor experiences will take place during the allotted time and a personal camera may be used if approved. NYC field trips to museums and galleries are included in this class.

GRAPHICS – ½ Credit

Prerequisite: Studio Art

This course introduces art and design created on the computer. Students will learn the basics of Photoshop to visualize, develop, and design various kinds of images. Students will learn about artists while exploring various careers in graphic design. Students will discover how to manipulate photos, draw and paint digitally, and enhance imagination through the elements and principles of design. This course is held in our state-of-the-art Mac computer lab.

ART DEPARTMENT COURSES

SCULPTURE – 1 Credit

Prerequisite: Studio Art

This is a highly recommended course for all students to use basic skills and create three dimensional design. Projects in this class will break the boundaries of creativity! In Sculpture, students will be able to create with various materials such as glass, clay, plaster, foam, paper mache, and more! NYC field trips are part of this course, which includes Madame Tussauds Wax Museum.

FASHION DESIGN – ½ Credit

Prerequisite: Studio Art

This course introduces students to the techniques of Fashion Illustrator and Design. Emphasis will be placed on drawing the fashion figure, rendering fabrics, and drawing garments that the students design. Fashion history and possible career choices will be highlighted. A field trip to a fashion show or school is also part of the experience.

FASHION DESIGN II – ½ Credit

Prerequisite: Studio Art, Fashion Design I

This is an advanced course that continues building on the skills learned in Fashion I. Students will be encouraged to develop their individual styles as designers along with improving students' skills of illustration. A portion of the course will be dedicated to garment construction. This course also addresses the needs of students wishing to develop a fashion portfolio for entrance to college. A field trip to the Fashion Institute of Technology is part of the course.

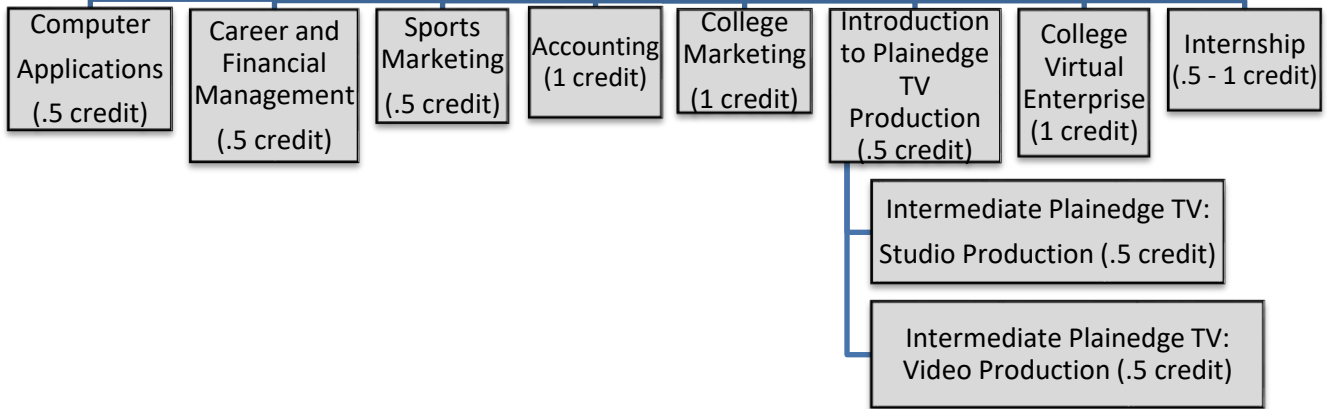
JEWELRY DESIGN – ½ Credit

Prerequisite: Studio Art

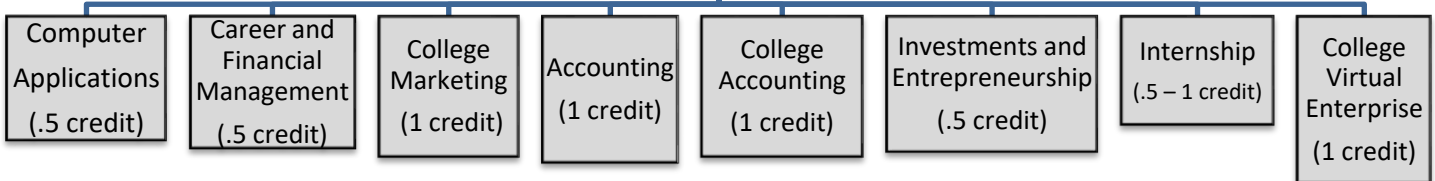
In this class you will learn how to make jewelry from a variety of materials including precious metal, clay, dichroic glass, handmade beads, metals and leather. Here you will learn about how and why we have made and worn jewelry through the ages. Jewelry design will include a field trip to either a museum, gallery or metal-smithing shop.

CAREER AND TECHNOLOGY EDUCATION PATHWAYS TO COLLEGE AND CAREER READINESS

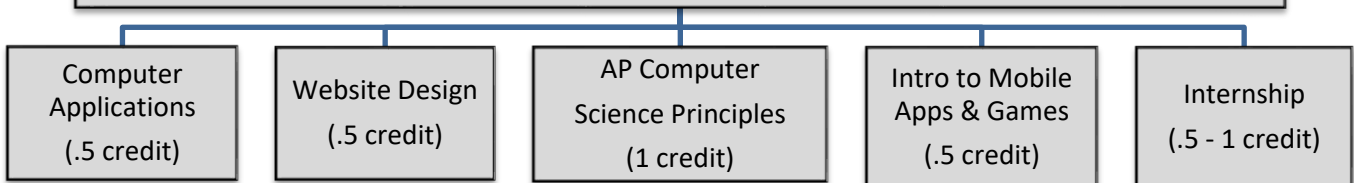
Business & Marketing



Accounting & Finance



Computer Networking & Web Applications



Above are suggested courses to complete to achieve a 5-credit sequence in Career and Technology Education.

Students who wish to be exempt from the World Language requirement can complete a 5-credit sequence in Career & Technology Education, while remaining eligible for a Regents with Advanced Designation.

CAREER AND TECHNOLOGY EDUCATION DEPARTMENT

OVERVIEW

Plainedge High School Career and Technology Education Department offers varied programs of instruction designed to prepare students for collegiate study, future employment, and develop advanced technical skills. Our department is steadfast in our approach to meeting the needs of our students as the need for state-of-the-art academic, technical and career skills increase in our society.

Students will have the opportunity to select from a list of exciting courses. Furthermore, the department is expanding its focus by developing meaningful experiences that simulate real-life business and career situations.

Courses in Career & Technology Education

- **Accounting** – Learn basic bookkeeping and related life skills.
- **College Accounting** – College level class, three college credits. In this course, students will learn advanced accounting concepts.
- **College Marketing** – College level class, three college credits. This course is designed to introduce students to the principles of advertising and marketing in today's complex and dynamic business environment.
- **Sports Marketing** – Learn about the fun and exciting industry of sports marketing. This course deals with the marketing of sports products and services.
- **Website Design** – In this course, students will learn to create, edit, maintain and publish a website.
- **Intro to Mobile Apps & Games** – This course will introduce students to video game drawing board, computer science principles, 3D animation, and the evolution of video games from their inception right to professional gaming of today.
- **AP Computer Science Principles** – Entry level course that introduces students to the foundations of modern computing.
- **Career & Financial Management** – Learn about fiscal responsibility, business etiquette and research career options.
- **Investments and Entrepreneurship** – This course will provide valuable insight on finance, investing, stock exchanges, mutual funds, bonds, banking and savings.
- **Computer Applications**- Build your skills in keyboarding and Microsoft Office programs.
- **Internships** – Professional internship opportunities in local area businesses.
- **Introduction to Plainedge TV Production** – Lights. Camera. Action. Students interested in working in the field of television can get their start with Plainedge TV. Students will be introduced to both sides of television production from inside of the studio to the editing room.
- **Intermediate Plainedge TV Studio Production** - Quiet on the set! In 3...2...1...action. Students will dive deeper into the world of in-studio television production. Students will learn all the production roles involved in a 3-camera studio production where they can play every role including: director, camera, operator, technical director, actor, and more.
- **Intermediate Plainedge TV Video Production** – Have you ever wanted to create your own movie, music video, commercial, or more? Students will continue to learn proper filming techniques and how to become stronger editors of video through We Video. Students will write, direct, film, edit, and produce their own videos as they continue to grow their Plainedge TV Portfolio.
- **College Virtual Enterprise**- Be involved in actual hands-on work experiences, including sales, marketing, accounting and personnel as you and your classmates operate your own simulated business within a network of 5,000 other student run firms.

CAREER AND TECHNOLOGY EDUCATION DEPARTMENT COURSES

CAREER EXPLORATION PROGRAM: INTERNSHIP – ½ Credit – 1 Credit (depending on the amount of time spent in the Internship)

This is not a class that meets daily, and it is offered as a one-or-two-year program. (54 hours = ½ Credit; 108 hours = 1 Credit). In order for students to be accepted into the program, specific criteria must be met.

This program is PASS or FAIL. If a student is placed in an internship in quarter one, they have until the end of quarter one to drop out of the program. If the student is interning after quarter one, **they must complete their commitment of 54 or 108 hours** for credit, and will receive a “P” (pass) on their transcript for the Internship course. If the required commitment is not met, students will receive an “F” (fail) on their transcript.

This is a superb opportunity for juniors and seniors to learn from experts in the field of their choice and obtain firsthand understanding and appreciation of the knowledge, skill, and educational requirements necessary for the careers they are considering.

STUDENTS MUST PROVIDE THEIR OWN TRANSPORTATION TO AND FROM THEIR INTERNSHIP SITE.

Areas of professional internship that PHS students have pursued are:

- Accounting
- Communications, Radio & TV
- Computer Technology
- Culinary Arts
- Dentistry
- Education, Elementary & Secondary
- Engineering
- Journalism
- Law
- Management
- Medicine
- Physical Therapy/Occupational Therapy
- Psychology/Social Work
- Veterinary Science

Students are placed according to mentor availability. Students are required to complete an application and interview with the high school internship coordinator to discuss their career interests. Mentor availability, report card grades, teacher comments, school attendance, and grade level are taken into consideration. Upon acceptance into the program, the internship coordinator will match each student's interests with an appropriate mentor in that field. Depending upon the internship selected, students may complete the internship after school, on weekends, and/or school vacations. A final paper reflecting upon internship experience is required.

CAREER AND TECHNOLOGY EDUCATION DEPARTMENT COURSES

WEBSITE DESIGN – ½ Credit

Become a Web Master! This course will prepare you to create, edit, maintain and publish a website. Students will complete a six-page website from scratch using an HTML editor.

COMPUTER APPLICATIONS – ½ Credit

Computer Applications provides students the opportunity to develop touch keyboarding skills for business, professional and personal data entry. This course will begin with a module to build keyboarding skills and then expand to other computer programs including word processing, spreadsheet and desktop publishing applications.

Microsoft Word

- Document Formatting, Fonts and Graphics
- Bullets, Numbering, Tabs and Indents
- Tables
- Business Letters
- Business Cards and Address Labels

Microsoft Excel

- Formatting Spreadsheets
- Basic Formulas and Functions
- Creating and Formatting Charts

Microsoft Publisher

- Formatting Flyers and Newsletters
- Designing Personalized Documents

Microsoft PowerPoint

- Designing Professional Presentations
- Creating Interactive Slide Shows

INTRO TO MOBILE APPS & GAMES– ½ Credit

Have you ever dreamed of publishing your own video game or app? Do you see yourself being a part of the next million-dollar app or blockbuster video game? This is the course where you will take the driver's seat in your own unique journey. From the video game drawing board, through the computer science principles, to 3D animation, this course jump starts your interests into a potential career in app development. You will also learn about the evolution of video games from their inception right to the world of esports and professional gaming of today.

CAREER AND TECHNOLOGY EDUCATION DEPARTMENT COURSES

AP COMPUTER SCIENCE PRINCIPLES– 1 Credit

This is a full-year, challenging, entry-level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming algorithms, the internet, big data, digital privacy and security and the societal impacts computing. All students enrolled in this course must take the AP exam in May.

ACCOUNTING – 1 Credit

Grades 10-12

Accounting is strongly recommended for students planning to pursue the study of any business related field at the college level.

This course provides a substantial foundation for initial employment and potential advancement in bookkeeping and accounting occupations. In addition, students have the opportunity to explore the use of computers in accounting. Students may wish to continue their study of accounting in our college-level accounting course.

COLLEGE ACCOUNTING – 1 Credit; (3 College Credits) Honors Level

Prerequisite: Accounting; or Teacher and Counselor Approval.

College Accounting is strongly recommended for all students pursuing any business degree in college.

This course is a full year extension of Accounting and enables students to study and learn in-depth and more complex accounting principles and software applications.

COLLEGE MARKETING – 1 Credit; (3 College Credits) Honors Level

Grades 10-12

Explore the psychology of promoting and selling goods and services. Learn how and why Six Flags and Disney World sell their amusement parks to you, the consumer. Learn how major stores such as Nike and McDonald's target customers and develop marketing strategies for those customers. Students will examine consumer behavior and government regulations pertaining to the business world. Current events, trends, and case studies will be integrated and evaluated throughout classroom discussion. The course will culminate with the creation of a marketing plan and presentation for a product that the student will invent for the marketplace. Guest speakers and hands-on projects are all part of this exciting course.

INTRODUCTION TO PLAINEDGE TV PRODUCTION – ½ Credit

(formerly known as Video and Television Production)

Have you ever wanted to learn how to produce a television show? Would you like to learn how to create videos or movies like the professionals do? If so, then Video & Television Production is the class for you. In this class, you will learn about all of the jobs needed to produce a television show, from talent to camera operator, while using the same equipment that would be found at a television studio. You will also learn how to edit video and make short commercials or movies using the same software that professionals use.

CAREER AND TECHNOLOGY EDUCATION DEPARTMENT COURSES

INTERMEDIATE PLAINEDGE TV: STUDIO PRODUCTION – ½ Credit

Prerequisite: Introduction to Plainedge TV Production

Students in this course will learn all of the components of a three camera studio shoot. Students will delve deeper into the roles of director, assistant director, technical director, camera operators, floor manager and more. Students will become proficient on the TriCaster as they learn how to produce studio news programs, game shows, talk shows, and more.

INTERMEDIATE PLAINEDGE TV: VIDEO PRODUCTION – ½ Credit

Prerequisite: Introduction to Plainedge TV Production

Students in this course will learn all of the components of an out-of studio production. Students will dive deeper into the ten types of camera angles, the importance of B-Roll video, story telling, interviewing techniques, and more. Students will become proficient in editing with WeVideo software they learn how to produce news packages, music videos, commercials, short films, and more.

CAREER & FINANCIAL MANAGEMENT – ½ Credit

Grades 11 and 12

This course will provide students an opportunity to learn about overall fiscal responsibility, business etiquette, and the opportunity to research career options. Students will be encouraged to develop personal financial goals, plan a career, apply academic skills to solve real world problems and become familiar with the universal foundation skills that are needed to become successful citizens, employers, and employees.

INVESTMENTS AND ENTREPRENEURSHIP – ½ Credit

Grades 11 and 12

This exciting half year course will provide valuable insight on finance, investing, stock exchanges, mutual funds, bonds, banking and savings. It will prepare students to become responsible investors, consumers and savers. Students will select investments, manage assets, and create a portfolio as part of a virtual stock market game with results based on actual market activity. Current and creative projects relative to investments, companies and the stock markets will amplify the learning experience in a practical manner. The class may be enhanced through field trips and guest speakers from professionals in the industry.

SPORTS MARKETING – ½ Credit

Grades 10-12

Would you like to be part of an exciting and lucrative industry? The world is comprised of sports fans and participants. Consider how many people either compete in sports at some level and/or watch sports. This course will deal with the marketing of sports products and services. Topics that will be explored include: supply and demand in sports, professional sports trades, discrimination in sports, and sports promotion. Skills acquired in this class will be used to market an event and design your own team.

CAREER AND TECHNOLOGY EDUCATION DEPARTMENT COURSES

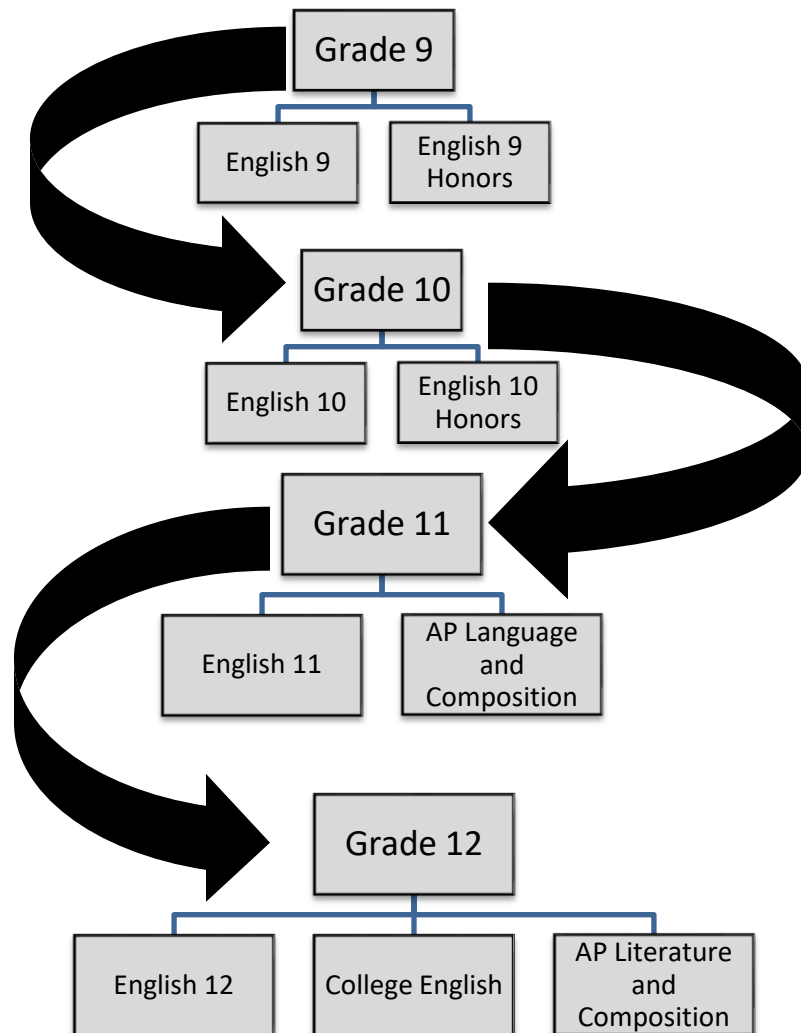
COLLEGE VIRTUAL ENTERPRISE – 1 Credit (6 college credits being offered)

Grades 11 and 12

Prerequisite: 1.5 credits in Business Ed. and/or Graphic Design courses; or Teacher and Counselor approval.

The Virtual Enterprise (VE) is a simulated business environment. The VE employees (i.e., the students) will be involved in actual “on-the-job” work experiences, including sales, marketing, accounting, personnel, and more! Virtual Enterprise firms conduct business across a network of 5,000 student-run companies spanning 42 countries and a breadth of products and services--from banking, insurance and technology to publishing, advertising, cosmetics, tourism and fashion. The transfer of funds is made electronically through a web-based banking system that links all U.S. firms with our virtual firms worldwide. By engaging in business and trade across industries, borders, and cultures, VE students experience the expectations of the workplace and the global marketplace. Students will work in one or more of the departments in the VE organization. In each department, students will be expected to work individually and as a member of a team to fulfill the responsibilities and tasks associated with the department. Students will develop initiative, creativity, responsibility, and enhance oral and written communication skills, as well as improve their ability to work on a team.

ENGLISH DEPARTMENT



English Electives all Grade Levels

Creative Writing
Drama
Journalism I and II
Multi-Media Study of Horror
Multi-Media Study of Sports
Public Speaking

English Electives Grades 10-12

Film Studies
Multi-Media Study of Sci-Fi
Mythology

ENGLISH DEPARTMENT

OVERVIEW

The skills essential to a student's success in high school and beyond include critical thinking, critical reading, research, and communication. These skills are the prime consideration in the design of our English curriculum.

Each grade level provides writing instruction. The literature and reading programs provide for the sequential development of comprehension and inferential skills, vocabulary growth, and a heightened awareness of the literary heritage of various cultures.

The English Department maintains a set of objectives for each course, which emphasizes the NYS Next Generation Learning Standards. Fixed guidelines exist with reference to attendance, class participation, and homework. Students are introduced to new vocabulary regularly; writing is assigned regularly; research projects are scheduled for all students.

Evaluation:

Student performance in English courses is evaluated on the basis of:

- Reading and writing assignments, done at home and in class
- Ability to apply the steps of the writing process to grade level objectives
- Multiple choice exercises, reading comprehension, and vocabulary in context
- Research projects, as assigned
- Outside/independent reading and responses
- Quizzes and examinations
- Summer assignments, which will precede all English courses

Honors Expectations:

The following denotes what is incorporated within honors and college level English courses:

- Higher level textual comprehension, interpretation and analysis
- Meeting and/or exceeding standards in writing and reading
- Independent reading and notetaking
- Rigorous and advanced literature and writing will be modeled on a regular basis

AP Expectations:

- Take the AP exam in May
- Meet or exceed New York State and AP standards in English
- Communicate ideas clearly through writing; College-Level writing recommended
- Participate actively in class discussions
- Submit assignments on time
- Analyze college-level text
- Read and take notes independently

ENGLISH DEPARTMENT COURSES

ENGLISH 9 – 1 Credit

Prerequisite: English 8

Ninth graders will read a wide range of literature dating from early civilization to modern works. While studying the literature, students will have an opportunity to explore the connections between an author's life and his/her works. Students will continue to develop critical thinking, critical reading, communications (written and verbal) and research skills. Students will begin to be exposed to English Regents-style tasks. A portfolio assessment will be completed.

ENGLISH 9 HONORS – 1 Credit

Prerequisite: English 8 and teacher recommendation

Nine Honors is designed to prepare students for the work that will come in the AP level course in 11th grade. This course will focus on enhancing high achieving students' critical thinking and writing skills. It is strongly recommended that students interested in taking 9H maintain at least a 90 average throughout their 8th grade year. In addition to the expectations of the 9R programs, students enrolled in this course should expect to:

- work more independently
- complete an independent reading assignment per quarter
- complete research that results in a presentation and a 3-5 page paper
- read and analyze more complex texts (both fiction and non-fiction)
- write analytically demonstrating a higher level of critical thinking

ENGLISH 10 – 1 Credit

Prerequisite: English 9

The 10th grade curriculum focuses on the motif of tolerance. Vocabulary enrichment is continued. Assigned works are used to continue development of comprehension skills and to form discriminating habits through recognition of literary genres and themes. Preparation for Regents style tasks is continued. A portfolio assessment through which each tenth grader's growth and development in reading, writing, and research skills will be completed.

ENGLISH 10 HONORS – 1 Credit

(Pre-AP Language)

Prerequisite: English 9H and/or teacher recommendation

This is a pre-AP level course intended to bridge the gap between English 9 Honors and English 11 AP Language and Composition. This is an accelerated class that requires students to think deeply and richly about both fiction and non-fiction. The course offers a blend of classic and contemporary works from authors of diverse backgrounds. The course places a heavy emphasis on a variety of reading and writing skills in preparation for the English Regents Exam as well as for the SAT and ACT. Students will continue to build upon their analytical skills by completing AP-level tasks. They will complete several independent reading assignments, an extensive research project, as well as literary critiques. Students should expect a rigorous, challenging, active experience in the course.

ENGLISH DEPARTMENT COURSES

ENGLISH 11 – 1 Credit

Prerequisite: English 10

Students will explore the growth of the individual as it pertains to American literature and their own lives. This will be accomplished through guided readings and writing. Students will also learn to develop their own individual voices in their writing, both creative and analytical. Library research is fostered and students will continue to develop research skills. Reinforcement of language skills and vocabulary development will continue. Through regular practice of Regents-style tasks, students will be prepared for the tasks in the Regents examination in English. A portfolio assessment through which each eleventh grader's growth and development in reading, writing, and research skills will be completed.

ENGLISH 11 AP LANGUAGE & COMPOSITION – 1 Credit

Prerequisite: English 10H and/or teacher recommendation

The AP Language and Composition is open to motivated, advanced students who have been recommended by their 10th grade teachers. The course teaches and requires students to write in several forms (e.g., narrative, expository, analytical, and argumentative essays) about a variety of subjects (e.g., public policies, popular culture, personal experiences). Expository, analytical, and argumentative writing assignments are based on readings representing a wide variety of prose styles and genres. Fiction and nonfiction readings (e.g., essays, journalism, political writing, science writing, nature writing, autobiographies/biographies, diaries, history, and criticism) are selected to give students opportunities to identify and explain an author's use of rhetorical strategies and techniques. Research skills, and in particular, the ability to evaluate, use and cite primary and secondary sources are taught. A portfolio assessment through which each eleventh grader's growth and development in reading, writing, and research skills will be completed. Students will be required to take the Regents exam in English. All students enrolled in this course must take the AP exam in May. Students who receive a grade of 3 or above on the AP exam may be allowed to waive the required freshman English course at the discretion of the college or university they attend.

ENGLISH 12 – 1 Credit

Prerequisite: English 11

Seniors will sharpen their communication skills of reading, writing, listening, and speaking. Literature is comprised of various genres, with a full quarter focus on *Shakespeare*. Through *Hamlet*, students will learn to read and write critically and analyze critique of Shakespeare. Attention is focused on the college admission process with emphasis on college admission essays. The Senior Project is required and will expand the English 12 curriculum into a magnified and intensive exploration of areas of personal interest. A portfolio assessment by which each 12th grader's growth and development in reading, writing, and research skills will be completed. *See note regarding Senior Project.

ENGLISH DEPARTMENT COURSES

ENGLISH 12 AP LITERATURE & COMPOSITION – 1 Credit

Prerequisite: English 11AP and teacher recommendation

The AP Literature and Composition Course requires that students read a wide spectrum of works produced by twentieth and twenty first century writers. They will be exposed to a variety of poems, dramatic works, novels and short stories that are selected to give students opportunities to identify and explain an author's use of strategies and techniques. The course teaches students to determine how authors use diction and other devices of language to reveal theme and develop character. Students are taught to recognize the importance of the writing process to develop an essay utilizing revision as a means of "fine tuning" the expression of ideas. Students will learn to write explications of poems and prose passages and will be able to clearly reveal their understanding through expository writing which analyzes poems and prose passages of all eras and genres. Students will become conversant in the language used in literary analysis and use that language to better communicate their understanding of meaning and techniques utilized in a work of literature. All students enrolled in this course must take the AP exam in May. Students who receive a 3 or above on the test may be given college credit and be allowed to waive the freshman English course at the discretion of the college or university they attend. *See note regarding Senior Project.

COLLEGE ENGLISH – 1 Credit/Honors level

Prerequisite: English 11AP and/or teacher recommendation

College English is a rigorous full year course offered in affiliation with LIU Post. Successful completion of the course requirements allows a student to earn 6 credits while also fulfilling the senior English requirement. Credits are transferable. Students in the course will develop college level reading, writing, and research skills. Emphasis is placed on critical analysis of the various genres, authors' styles and literary techniques. Additionally, students will be exposed to college reading and writing across the curriculum. Assignments are designed to develop skills in writing, revision and development of style. *See note regarding Senior Project.

*NOTE: All 12th grade students must satisfactorily complete a Senior Project. Students are required to immerse themselves in a self-selected area of importance and to extend their thinking beyond the conventional academic experience. Seniors will conduct developmental research that results in original conclusions, applications, or performance. Each Senior Project must have a research component.

ENGLISH DEPARTMENT COURSES

ENGLISH ELECTIVES

The English Department believes that every student should have the freedom to pursue individual interests, and offers a variety of electives designed to tap their interests.

Creative Writing
Drama
Film Studies
Journalism I/II
Multi-Media Horror

Multi-Media Sci-Fi
Multi-Media Study of Sports
Mythology
Public Speaking

CREATIVE WRITING – ½ Credit

This course is designed for students who have already demonstrated an inclination and desire to sharpen their creative talents. Students will be required to present a portfolio of written materials. Students study various literary forms and models.

Student performance is evaluated on the basis of:

- In-class discussion of materials written and read;
- The completeness and complexity of the student's portfolio; and
- Reading and writing assignments done at home and in class.

DRAMA – ½ Credit

This course is designed to introduce students to the many facets of the theater through experiences in performance, theater tech, and script/character analyses. Student will have the opportunity to apply takeaways from script readings and discussions through in-class performances of monologues and scenes from a range of genres. Applications of acting skills through vocal performance and dance will also be explored. Throughout the course, students will also learn about the various “behind the scenes” technical aspects of theater, including set design, lighting, stage management, and costuming. No experience with theater or singing is required to take this course!

FILM STUDIES – ½ Credit

Prerequisite: English 9

Film Studies is a course in which students will develop the ability to analyze, criticize, understand, and appreciate the cinema, while at the same time examining films within the framework of a larger social, historical, and political culture. Course goals include (but are not limited to): understanding and applying concepts concerning a variety of film techniques and cinematic terminology; gaining an appreciation of the aesthetics of film; understanding how a film reflects and influences society and culture; determining how film relates to and differs from other art forms; learning the various characteristics of different film genres and styles; and identifying important developments in the history of film.

JOURNALISM I AND II – ½ Credit Each

No Prerequisite for Journalism I

Prerequisite for Journalism II: Journalism I

Journalism students receive practical newspaper writing experience and learn the journalist's code of ethics in exercising the freedoms and responsibilities of the press. Students learn to write features, editorials, news, and sports stories.

ENGLISH DEPARTMENT COURSES

MULTI-MEDIA STUDY OF HORROR – ½ Credit

This course is designed for all students with an interest in this genre. Students will learn about horror literature and film, where it originated, and the various perspectives associated with its art. They will also examine the genre of horror from a psychological perspective. Students will study the leading writers, films, and filmmakers of this genre, such as Edgar Allan Poe, Stephen King, and Alfred Hitchcock, to name a few. We will be analyzing both literature and film in this course. Both R and PG rated films will be shown as supplementary materials. The films are chosen with great care and discretion. Due to some of the films' mature content, all parents are required to sign a permission slip.

MULTI-MEDIA STUDY OF SCI-FI – ½ Credit

Prerequisite: English 9

Science fiction helps us to define human experience and our potential. Critical reading and viewing of science fiction lead us to a greater awareness of ourselves, our world, and the role of science and technology in our lives. We will ponder definitions of good and evil; self and alien; science and nature; human and machine as we explore how through science the individual can shape and change the future and triumph over forces that threaten us; that man can eliminate both war and poverty; and that miracles are possible. Science fiction is our guide to our future.

MULTI-MEDIA STUDY OF SPORTS – ½ Credit

Michael Jordan or LeBron James? Is Tom Brady the GOAT? Is golf a sport?

If you've ever debated these ideas or others, then this course is for you! Multi-Media Study of Sports involves reading, writing and talking about the world of sports. In this course, students will learn about the history of sports and how they have shaped and defined culture. Students will read various seminal and contemporary sports pieces to help gain an understanding beyond the box scores. Students will also write articles, read sports blogs, listen to sports podcasts, analyze sports films, and debate different sports topics. Emphasis will be placed on presenting positions and defending one's thinking with evidence.

MYTHOLOGY – ½ Credit

Grades 11 and 12

Prerequisite: English 10

Among our greatest gifts are the stories, myths and legends we have passed down. These stories reflect man's capacity to dream, to wonder, and to create meaning. This course looks at myths from such various cultures and traditions as the Babylonian, Hebrew, Greek, Anglo-Saxon, Norse and Germanic. Students will also explore traditions of stories including fairytales and legends. Students will be required to write several short papers and complete several projects.

PUBLIC SPEAKING – ½ Credit

This course is designed to increase skills in both listening and speaking. Emphasis is placed on effective speech communication, effective listening, and building confidence. Students will learn how to choose effective language and prepare and deliver speeches. This course involves a variety of speaking experiences such as impromptu speeches, speeches to inform, speeches to persuade, group discussion, and debate. Students will also study rhetorical devices and famous speeches from history.

HEALTH EDUCATION DEPARTMENT COURSES

HEALTH EDUCATION – ½ Credit

Health education is a New York State Education Department mandated class. In order to graduate, all students must pass one semester of health education. This course is constructed to give students the opportunity to learn how to improve health literacy and health knowledge and to develop life skills which are conducive to individual and community health. Lifestyle changes in areas of mental health, substance abuse prevention, communicable and non-communicable disease, nutrition, physical activity, human sexuality and first aid and safety are discussed in order to promote wellness and provide techniques to maintain healthy lifestyle practices.

CRITICAL ISSUES IN HEALTH – ½ Credit

Grades 11 and 12

Prerequisite – Health, Written Parental Permission

This course reinforces the critical issues in health and family living. It will provide an accurate in-depth look at a number of sensitive and controversial issues. Topics include stress management, mental illness, healthy relationships, abusive relationships, acquaintance rape, suicide, parenting, marriage, aging, sleep disorders, and intervention for drug and alcohol abuse. Debates, discussions, and peer teaching will be used along with a variety of student-centered activities. Students will be evaluated on the basis of class work, homework, journal writing, class participation, tests and projects. Students will be required to participate in the Reality Works Baby Project.

INTRODUCTION TO SPORTS MEDICINE – ½ Credit

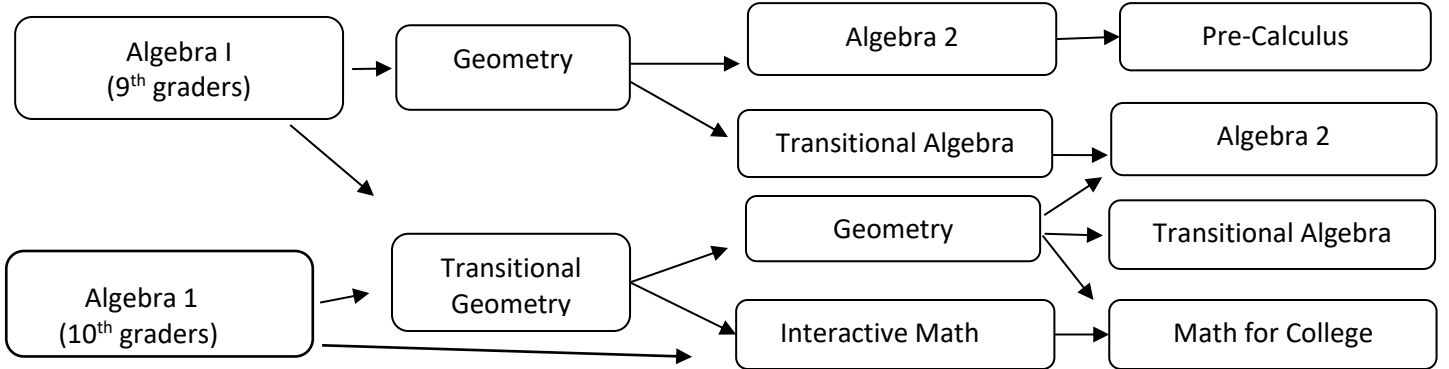
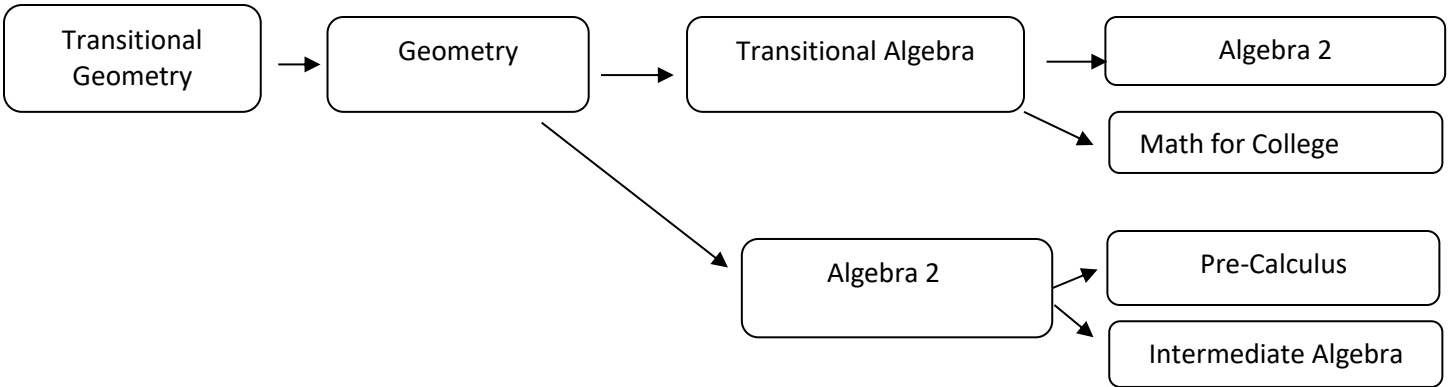
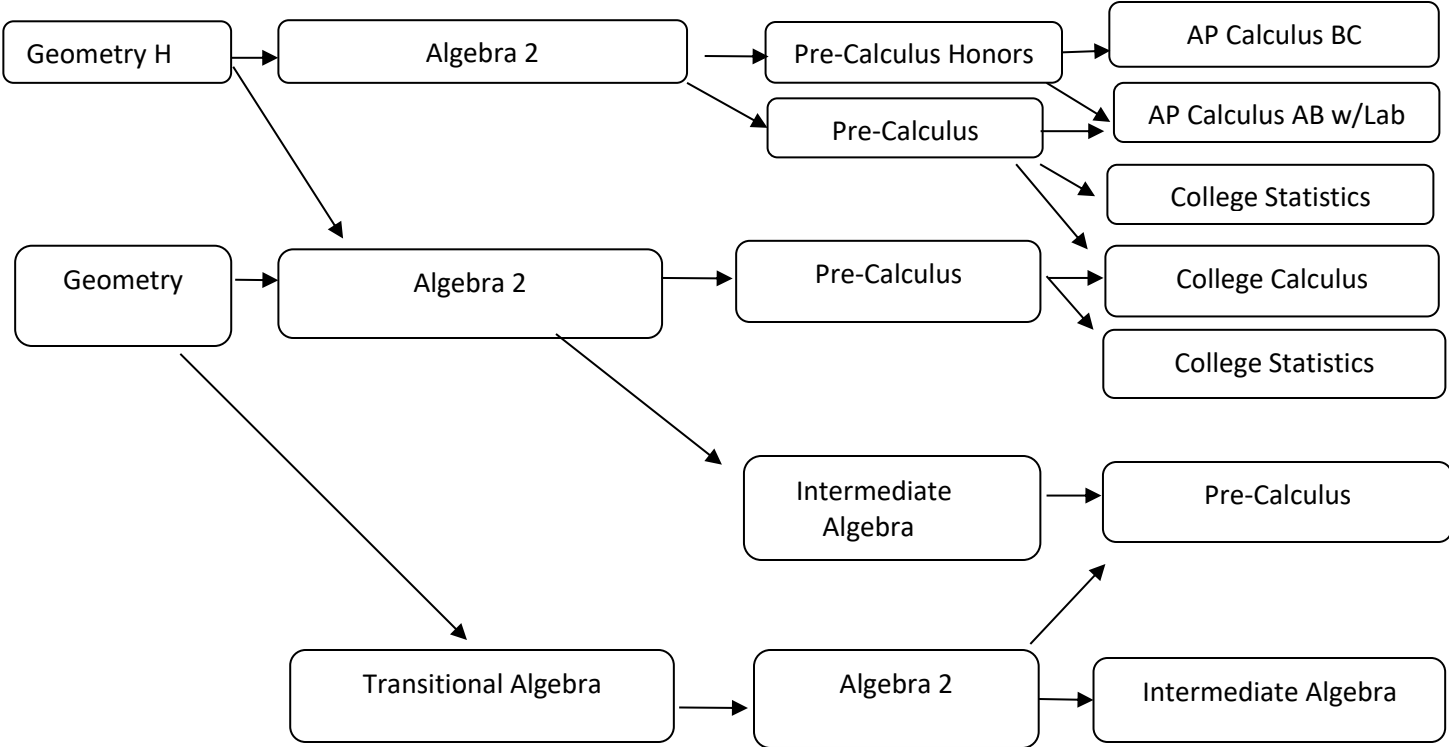
Grades 10-12

This course is designed for students who are interested in fields such as athletic training, physical therapy, occupational therapy, medicine, nursing, fitness, physiology of exercise, kinesiology, nutrition, EMT and other sports medical related fields. This course focuses on the basic information and skills important in the recognition of care, prevention, and preliminary rehabilitation of athletic injuries. The course includes class work and hands on application.

MINDFULNESS BASED STRESS REDUCTION – ½ Credit

An increasing number of today's students face challenges that affect their ability to focus, regulate difficult emotions, and form healthy relationships. Some of the benefits of practicing mindfulness on a regular basis include the following: developing emotional awareness, stress reduction, and increased focus and concentration. Additional benefits include the practice of kindness and self-compassion, and developing a greater sense of self-awareness. This course will provide students with an opportunity to explore and engage in a variety of activities for the mind and body which will include meditation and breathing techniques that will improve health and reduce stress.

MATHEMATICS DEPARTMENT



MATHEMATICS DEPARTMENT

OVERVIEW

The Plainedge mathematics program is structured to meet the demands of the twenty-first century. Students need to be prepared for a world that is rapidly changing, rich in information, and technologically complex. The National Council of Teachers of Mathematics (NCTM) asserts that “knowing mathematics is doing mathematics and what students learn depends a great deal on how they learn it.” The Curriculum and Evaluation Standards for School Mathematics written by the NCTM provides a framework for developing curriculum that addresses the needs of the modern student.

The Integrated Mathematics courses support the recommendations of the NCTM and New York State. These courses emphasize mathematical problem solving, critical thinking, applications to the real world and applications to other disciplines. The courses fully prepare students for all math Regents examinations. The outlines for each course and expected learner outcomes are listed in the curriculum guide.

Evaluation

Student performance in mathematics courses is evaluated on the basis of:

- Regular completion of homework assignments;
- Participation in class;
- Tests and Quizzes;
- Notebooks;
- Research Projects; and
- Class work

All students are required to pass the Algebra I Regents examination in order to receive a High School diploma. Students need to pass Geometry and Algebra II Regents exams to receive a High School Diploma with Advanced Designation.

Honors Expectations:

The following denotes what is incorporated within Math Honors courses:

- All rules, formulas and theorems will be derived on a regular basis;
- More rigorous and advanced problems will be modeled on a regular basis;
- All of the above will be reflected on student assessments;
- Supplemental topics outside the scope of the curriculum will be studied;
- Mental Math Strategies will be explored without the use of calculators;
- Summer assignments will also be given in preparation for Math courses.

MATHEMATICS DEPARTMENT COURSES

ALGEBRA I – 1 Credit

This course builds a solid foundation of basic algebra skills and concepts. The flexibility of the program provides teachers with a variety of approaches to make algebra work. Problem-solving strategies, cooperative learning activities, critical thinking and reasoning activities are used to develop algebraic concepts and skills. Real world applications of the material are modeled on an ongoing basis. Students will take the Algebra I Regents examination in June of this year.

TRANSITIONAL GEOMETRY – 1 Credit

Prerequisite: Algebra I

This course is for students who passed the Algebra I course but who had difficulty throughout the year learning all the material. This course is for students who are not yet ready to take a one year Geometry course. In this course students will develop a strong, solid foundation of algebra and geometry skills. This curriculum integrates a variety of learning techniques that will help the students understand the material being taught and use this knowledge to answer Regents level questions. Students who are enrolled in this course are expected to enroll in Geometry the following year, after which they will take the Geometry Regents. Students can go from Transitional Geometry to Transitional Algebra by **teacher recommendation only**.

GEOMETRY – 1 Credit

Prerequisite: Algebra I or Transitional Geometry

Students will investigate and develop an understanding of geometric concepts. The curriculum allows students to identify and justify geometric relationships formally and informally. The flexibility of the program provides teachers with a variety of approaches and strategies to make geometry work. Students are actively involved in the learning process through problem solving strategies, cooperative learning activities, and the use of manipulatives and technology. Students will explore different geometric concepts and develop mathematical reasoning skills to solve different real world problems. Student will take the Geometry Regents examination in June of this year.

GEOMETRY HONORS – 1 Credit

Prerequisite: Algebra I and teacher recommendation

It is strongly recommended that students who register for this course demonstrate a grade of 90 or higher on the Algebra I mid-term and Algebra I Regents exam, and for the school year. The scope and sequence of Geometry Honors goes beyond Regents level requirements. In this course, students will develop a solid foundation of advanced geometric skills. The curriculum integrates technology, critical thinking activities, and the opportunities for students to communicate mathematics in a variety of ways. Regular enrichment will include: supplemental topics, SAT type questions, derivations of rules, formulas and theorems as well as the modeling of more rigorous and advanced problems. Student assessments and final evaluation will reflect the enrichment portion of the curriculum. Students will take the Geometry Regents examination in June of this year.

TRANSITIONAL ALGEBRA – 1 Credit

Prerequisite: Geometry

This course is for students who were successful in Geometry but require more fundamental work prior to taking Algebra II. In this course, students will develop a strong, solid foundation of advanced algebra skills. This curriculum integrates technology, cooperative learning, critical thinking activities, and the opportunities for students to communicate mathematics in a variety of ways. Students who are enrolled in this course are expected to enroll in Algebra II the following year, after which they will take the Algebra II Regents.

MATHEMATICS DEPARTMENT COURSES

ALGEBRA II – 1 Credit

Prerequisite: Geometry or Transitional Algebra

In this course, students will develop a solid foundation of advanced algebraic concepts. The curriculum integrates technology, cooperative learning, critical thinking activities, and the opportunities for students to communicate mathematics in a variety of ways. Students will learn the topics needed to be successful in the advanced topics of the Algebra section on the SAT. Students will take the Algebra II Regents examination in June of this year.

ALGEBRA II HONORS – 1 Credit

Prerequisite: Geometry Honors or Geometry with teacher recommendation

It is strongly recommended that students who register for this course demonstrate a grade of 90 or higher on the Geometry Regents exam and also on the Algebra I Regents from the previous school year. In this course, students will develop a solid foundation of trigonometric and advanced algebra skills. The curriculum integrates technology, cooperative learning, critical thinking activities, and the opportunities for students to communicate mathematics in a variety of ways. Regular enrichment will include; supplemental topics, SAT type questions, derivations of rules, formulas and theorems as well as the modeling of more rigorous and advanced problems. Student assessments and final evaluations will reflect the enrichment portion of the curriculum. Students will take the Algebra II Regents examination in June of this year.

PRE-CALCULUS – 1 Credit (college credit being offered)

Prerequisite: Algebra II

Pre-Calculus prepares students for Calculus. Topics include the study of functions, matrices, logarithms, trigonometry, limits and simple derivatives. Students who successfully complete this course are expected to enroll in Advanced Placement Calculus AB the following year. Students will also be given the opportunity to purchase college credits through a local college.

PRE-CALCULUS HONORS – 1 Credit (college credit being offered)

Prerequisite: Algebra II Honors or Algebra II with teacher recommendation

Pre-Calculus Honors is a more rigorous and extensively advanced mathematics curriculum. Areas of enrichment include an extensive treatment of graphing of polynomial functions. Topics of calculus will also be covered. This class prepares students for Advanced Placement Calculus BC. Students who successfully complete this course are expected to enroll in AP Calculus BC the following year. Students will also be given the opportunity to purchase college credits through a local college.

INTERMEDIATE ALGEBRA – 1 Credit

Prerequisite: Algebra II

This course is designed for those who want to take an additional math course without the rigor of a Pre-Calculus course. This course covers topics from Algebra II and Trigonometry that also include a more in depth views, with some entry level pre-calculus ideas.

MATHEMATICS DEPARTMENT COURSES

INTERACTIVE MATHEMATICS – 1 Credit

Grades 11 and 12

Prerequisite: Transitional Geometry or Algebra I with teacher recommendation

This course offers an integrated problem-based curriculum that teaches challenging content and emphasizes mathematical reasoning. It will offer students the opportunity to get the practice needed to develop problem-solving strategies based on real world situations. Throughout the course students will use excel and graphing calculators to solve word problems covering topics in Algebra, Geometry, Trigonometry, Pre-Calculus, and Statistics. Students will solve problems using equations, graphs, tables, diagrams, and words to justify the solutions. In addition to the topics covered in class, there will also be outside reading assignments, projects, a portfolio and presentations used to develop and encourage creative critical thinking skills.

COLLEGE CALCULUS – 1 Credit

Prerequisite: Pre-Calculus AB or BC

This course will cover some of the content taught in the Advanced Placement curriculum. Topics include limits and continuity; derivatives - maxima and minima; anti-derivatives; definite integral; fundamental theorem of calculus; and techniques of integration. Technology support using the graphing calculators will be integrated throughout this course. Students will also be given the opportunity to purchase college credits through a local college.

AP CALCULUS AB with LAB – 1 Credit

Prerequisite: Pre-Calculus AB or BC

This course will cover the content of the AB Advanced Placement curriculum. Students will explore the key concepts, methods and applications of single-variable calculus including functions, graphs and limits, derivatives, integrals and the Fundamental Theorem of Calculus. All students enrolled in course must take the AP exam in May. As added support this class will meet with a lab period on alternating days.

AP CALCULUS BC – 1 Credit

Prerequisite: Pre-Calculus BC or Pre-Calculus AB with teacher recommendation

This course will cover the content of the BC Advanced Placement curriculum. Students will explore the key concepts, methods, and applications of single variable calculus including all topics in AP Calculus AB (functions, graphs, and limits, derivatives, integrals, and the Fundamental Theorem of Calculus) as well as additional topics in differential and integral calculus, such as parametric, polar and vector functions, and series. All students enrolled in this course must take the AP exam in May.

COLLEGE STATISTICS – 1 Credit

Prerequisite: Pre-Calculus AB

This course can be taken in conjunction with Pre-Calculus Honors

The primary objective of this course is to provide students with knowledge of elementary probability and statistics. Students will learn the basic concepts of descriptive statistics, data collection, probability and random variables. Students will then use these concepts to develop a working understanding of the use of a variety of inferential techniques. Students will have an opportunity to purchase college credits through a local college.

MATHEMATICS DEPARTMENT COURSES

MATH FOR COLLEGE – 1 Credit

Prerequisite: Seniors from Transitional Algebra or Interactive Math

This course is designed to teach and review concepts in algebra which are necessary for college. It provides students the opportunity to practice exams similar to the college entrance exam and review math concepts that are on the entrance exam. All of the units in this course are directly associated with the prerequisites needed for College Level Math 100 or higher placement.

CODE BREAKERS: PATTERNS, PUZZLES AND CRYPTOGRAPHY– ½ Credit

Grades 10-12

ZXIIFKD XII MRWWIB MBLMIB! If you want to find out what that says then Code Breakers: Patterns, Puzzles, and Cryptography is the course for you. Learn the history behind cryptography and what occupations still use it today. Dig deep into numbers and you will be amazed by the mathematical surprises that exist. Students will enhance their problem solving and logic skills in an exciting hands-on course that puts the student in charge of breaking the code!

MONEYBALL: THE MATHEMATICS BEHIND SPORTS – ½ Credit

Fantasy sports, which pride itself on people being able to predict player performances, is a billion dollar industry. Bill James, the pioneer behind Sabermetrics in baseball (which led to the popular phrase and movie *Moneyball*) used mathematics to change the game. Olympians train for four years to try to shave off a few tenths of a second from their time because this could mean the difference between a Gold Medal and not even qualifying for the event. Mathematics is everywhere in sports and in this course, students will be given the opportunity to analyze data, discover career opportunities, and apply their knowledge to the real world of major league sports.

MUSIC DEPARTMENT

OVERVIEW

The study of music contributes to the quality of every student's life in important ways. Through singing, playing instruments, and composing, students can express themselves creatively, while knowledge of notation and performance traditions enables them to learn new music independently throughout their lives.

Skills in analysis, evaluation, and synthesis are important because they enable students to recognize and pursue excellence in musical experiences and to understand and enrich their environment. Since music is an integral part of human history, the ability to listen with understanding is essential if students are to gain a broad cultural and historical perspective. (National Standards for Arts Education)

Co-curricular activities include: Jazz Band, Chamber Orchestra, Jazz Choir and Tri-M Honor Society.

Students are encouraged to participate in NYSSMA to be eligible or recommended to All- State, All-County, NYSBOA, and LISFA festivals.

Homework/Practice

Students are expected to practice as much as they need to improve their skills and learn the material for performance with 100% accuracy. Reports and other assignments will be required when applicable.

Evaluation

Students in performing groups are expected to attend all related activities for that group. Participation, both in class and during performances, will be evaluated according to time on task, preparation, and cooperation. Individual time on task, preparation and participation will be evaluated during rotating lessons. Written quizzes will be given regularly. A final practical and written assessment will be given in each course.

Music Sequence

In order to obtain a sequence in music, needed for the Regents diploma with Advanced Designation, students are required to complete the following courses:

5 year sequence: 4 units of Band, Chorus or Orchestra and 1 unit of Music Theory.
This can be used in lieu of a World Language sequence.

MUSIC DEPARTMENT COURSES

MUSIC THEORY – 1 Credit (Offered 2024 – 2025 school year)

Prerequisite: 1 music credit or by permission of instructor

This course provides students with the opportunity to study, strengthen and enhance their musical abilities and experiences. The course is designed to progressively increase student understanding and depth of the musical language. The year begins with a study of the basic elements of music: rhythm, pitch, chords and form, gradually incorporating increasingly complex musical concepts. Throughout the year students will illustrate their understanding through the making of compositions of their own. Students are encouraged to enroll in the sophomore or junior year. This course is a prerequisite to AP Music Theory.

AP MUSIC THEORY – 1 Credit (Offered 2023 – 2024 school year)

Prerequisite: Completion of Theory I or passing grade on Music Theory I assessment and permission of instructor

This curriculum is one that follows the College Board Advanced Placement Program syllabus. The course is designed to cover the scope of work that would be equivalent to a first year college course in music theory. Students will develop the ability to recognize, understand and describe the basic materials and processes of music that are heard or presented in a score through ear training, sight-seeing, analysis, composition and rhythmic studies. All students enrolled in this course **must** take the AP exam in May.

MIXED CHOIR – 1 Credit

The Mixed Choir is open to all first year choir students. This course is designed to provide students with the opportunity to learn proper vocal technique through a wide variety of choral literature. This course is designed to satisfy the musical needs of both beginner and advanced singers and musicians. Students are required to attend all scheduled performances, vocal lessons and rehearsals. Students enrolled in the course who have completed a credit in music or art are required to audition.

CONCERT CHOIR – 1 Credit

Concert Choir is an auditioned performing group open to grades 10-12. Auditions occur in late May of the previous school year. This course explores advanced choral literature, while further developing vocal technique and musical skills. Students are required to attend all scheduled performances, vocal lessons and rehearsals.

MUSIC DEPARTMENT COURSES

CONCERT BAND/MARCHING BAND – 1 Credit

This course is designed to enable students to develop proper playing technique, reading skills, theory, and musicianship through the Band experience. Band provides the student the opportunity to study and perform a wide variety of musical forms (i.e., marches, overtures, suites, symphonic poems, symphonies), and music of all styles and periods, up through contemporary band literature. The band student is required to perform in all concerts, as well as participate in the Marching Band. In addition, the Marching Band performs in the Newsday Marching Band Festival in October, and various other community events. Students are required to attend all scheduled performances, parades, instrumental lessons and rehearsals. Students are encouraged to further their musical development through participation in the NYSSMA Solo Festival held each spring.

Students electing band must participate in all marching band rehearsals and all performances, including festivals and parades and community events, as determined by the director.

Note: Transfer students must audition for placement before being scheduled for the class.

ORCHESTRA – 1 Credit

Orchestra is a daily performing group that studies and develops an appreciation for the great literature written for string and symphony orchestra. Orchestra provides the students with the opportunity to study and perform a wide variety of musical forms from Baroque to Romantic through contemporary popular styles. Students develop individual skills, self-discipline and knowledge of the orchestral repertoire. Students will concentrate on intonation, tone, scales, sight-reading, technique, rhythm, dynamics and musical vocabulary, as applied during rehearsals, lessons and performances. Students are required to attend all rotational sectional lessons, rehearsals and scheduled performances. Placement auditions, lessons, playing and written assessments, concert review and a final exam will address the students' comprehension of music.

Note: Transfer students must audition for placement before being scheduled for the class.

PHYSICAL EDUCATION DEPARTMENT COURSES

PHYSICAL EDUCATION – ½ Credit

Grades 9-12

This course emphasizes enjoyable participation in physical activities that help students develop knowledge, attitudes, motor skills, and confidence with the goal of improving students long term health. Students will be challenged to learn many different classroom activities which will be changed approximately every five weeks and may include: aerobics, badminton, basketball, fitness, pickleball, soccer, softball, dance, team handball, tennis, volleyball, weight training and cooperative games. Students will also have an opportunity to participate in fitness testing with the goal of increasing students awareness of their fitness levels.

FITNESS TRAINING – ½ Credit

Grades 10-12

This course will teach advanced training methods as well as build the foundations of fitness. The five health related fitness components (muscular strength, cardiovascular fitness, flexibility, muscular endurance and body composition) will be the main focus as well as touching upon the skill related components like power, agility, hand-eye coordination and speed. This course will cover an assortment of topics related to fitness. The students will develop an understanding of all of the components necessary for designing a program and maintaining personal fitness throughout their lifetime. Great for athletes and students who are tight on time; these students will now have a place to train without having to join a gym or come home late due to practices, work or studies.

COMPETITIVE SPORTS AND GAMES – ½ Credit

Grades 10-12

This course is designed for the Physical Education student that desires a more competitive and advanced PE experience. Complex strategies and techniques in various sports and games will be taught and utilized in game play and skill development. Basic coaching strategies and techniques will be emphasized. This course is perfect for students who have interest in the field of Physical Education or Coaching.

RHYTHM AND MOVEMENT – ½ Credit

Grades 10-12

This course is designed for the Physical Education student looking for a more unique PE experience. Participation in various dance and rhythmic fitness activities such as hip hop, jazz, ballroom dance, square dancing, Pilates, yoga, cardio kickboxing and more will be explored. Performing various dances as well as developing an understanding of choreographic principles will be emphasized.

RESEARCH PROGRAM

OVERVIEW

The purpose of the research program is to introduce students to authentic science research. This independent program meets outside of the classroom. Students should see the research advisor to apply for the program. See your counselor for more information.

INTRO TO RESEARCH – Honors Level – 1 Credit

Grade 10

Students will be introduced to basic research methods. Students will also have the option to learn Python coding, machine learning and artificial intelligence. They will choose an area of research, collect background information, and compose a preliminary research proposal on the topic of interest. Additionally, opportunities will be available for collaborating with research institutions including Cold Spring Harbor, Brookhaven National Laboratory and Stony Brook University.

INTERMEDIATE RESEARCH – Honors Level – 1 Credit

Grade 11

Students continue to improve upon and refine their research skills. Students communicate with experts in their field of study in order to find a mentor. With the help of their mentors, students formulate hypotheses, develop a formal research plan, and execute the experiment to test their hypotheses.

Students spend the summer before their senior year conducting statistical analysis of their data and composing a preliminary draft of their research paper.

ADVANCED RESEARCH – Honors Level – ½ Credit

Grade 12

Prerequisite: Intermediate Research

This research course is designed to provide students with an understanding of research methodology in the social and natural sciences. The course is directed to those students who wish to pursue excellence and progress into advanced areas of original research. Emphasis is on both empirical data and bibliographic research. Students are taught the process of online bibliographic researching and are able to access scientific databases. Individual consultations with doctoral level scholars are encouraged. Student commitment to long-term focused research, demonstrating initiative, perseverance, and creativity is developed and fostered. Students are required to write and submit a paper to the Regeneron STS Competition in November of their senior year. After that paper is submitted, they will participate in the Long Island Psychology Fair, Junior Science and Humanities Competition, the Siemens Competition, the Long Island Science and Engineering Fair.

AP CAPSTONE PROGRAM

AP SEMINAR – 1 Credit

Grades 10-12

AP Seminar is a formal class which serves as the initial course for the AP Capstone Program. Students who complete AP Seminar learn fundamental research skills, preparing them for graduate-level student research. Furthermore, the interdisciplinary nature of AP Seminar serves as a connection point that reinforces students' understandings in their other AP courses. AP Seminar establishes a professional learning environment where student-led exploration into the sciences allows for the acquisition and development of critical collaboration and planning skills. As a multidisciplinary course, AP Seminar develops and emphasizes the writing, deep reading, reasoning, analysis, and reporting crucial for success in college and beyond. Ultimately, the goal for AP Seminar would be completing AP Research, anticipated to be a course offering in 2023-2024, and earning the AP Seminar & Research Certificate or the AP Capstone Diploma, which will help students stand out in the college application process.

AP RESEARCH – 1 Credit

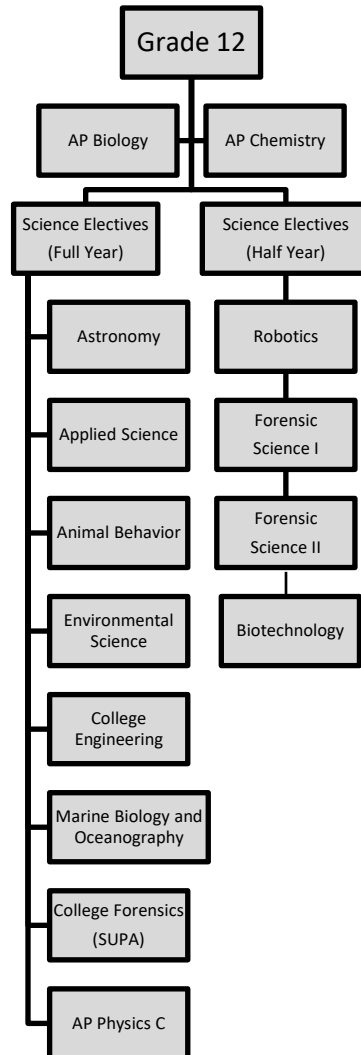
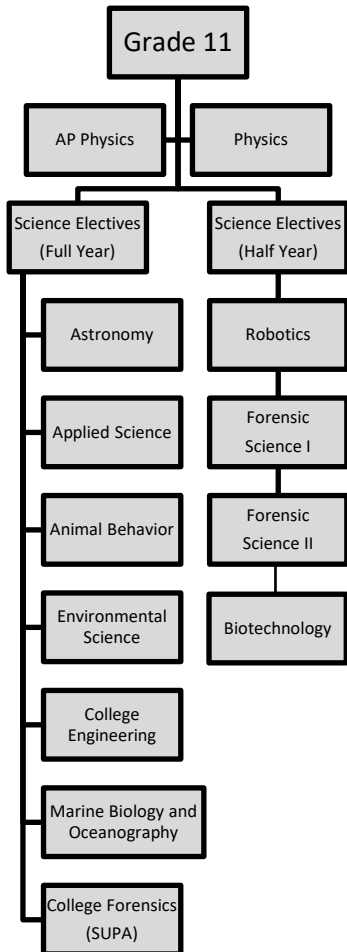
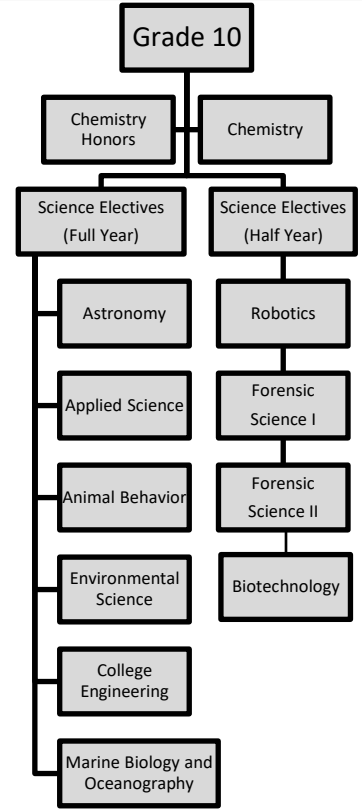
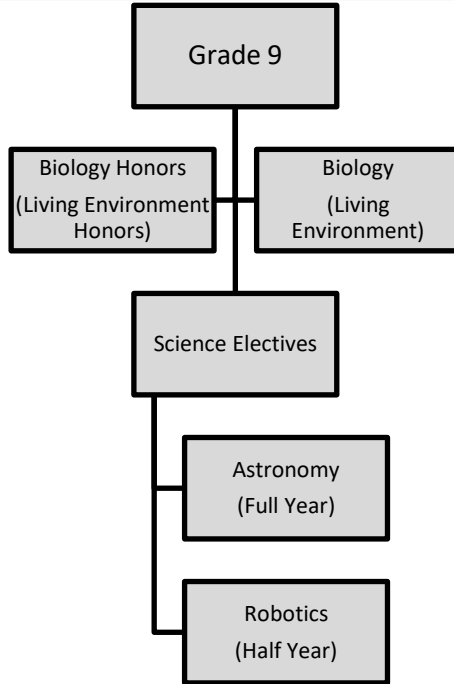
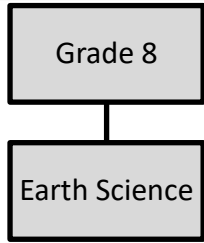
Grades 11 and 12

Prerequisite: AP Seminar

AP Research is the second formal class for the AP Capstone Program. Students will build on the skills and experiences acquired during AP Seminar through a deep exploration of an academic topic, problem, or issue of individual interest. Students will design, plan, and conduct a year-long research based investigation to address a research question. During the independent research process, students will analyze sources and evidence, applying context and perspective in order to compose a college-level academic paper and present research findings to an audience. Successful completion of AP Research earns the AP Capstone Diploma and typical college course equivalents include introductory research or general elective courses. Note that AP Seminar is a prerequisite for AP Research.



SCIENCE DEPARTMENT



SCIENCE DEPARTMENT

OVERVIEW

The Plainedge High School Science Department emphasizes academic excellence and the importance of developing each student's potential for scientific achievement. The importance of "scientific literacy" in an advanced technological society places considerable demands on the educational system to produce graduates with the ability to comprehend and function effectively within that society.

It is for these reasons that the Plainedge Science department has developed a policy statement containing the expectations which we hold for our students. Each student receives a copy of these departmental expectations as well as individual course expectations on the first day of classes.

The essential requirements of these departmental expectations are common to all course offerings and are as follows:

1. Notebooks are required and may be considered in the determination of students' grades.
2. NY State requires the completion of at least thirty (30) periods of laboratory work and the completion of satisfactory written reports for admission to a science Regents exam. The failure of any student to meet the minimum laboratory requirement for a course will result in exclusion from the Regents exam.
3. Homework is assigned on a daily basis and is counted toward students' grades.
4. Students are expected to be present and prepared for classes. Work missed during absences is made up by students upon their return to class, and is not "excused".
5. Under no circumstances is any behavior allowed that is inconsistent with safe laboratory practices.

Evaluation in science courses is based upon regular quizzes and examinations, class work, homework and other assignments, including laboratory work.

Honors Expectations

- High reading comprehension level
- Meeting and/or exceeding standards in writing
- Daily independent reading and note-taking
- Meeting and/or exceeding standards in mathematics
- Write detailed formal lab reports with data analysis

AP Expectations

- Students are expected to take AP exam in May and/or buy college credit through Adelphi University
- Be able to write insightful lab reports
- Hand work in on time, completely and with effort
- High reading comprehension level; college level recommended
- College level writing recommended
- Daily independent reading and note-taking
- Independent learning
- Meeting and/or exceeding standards in mathematics

SCIENCE DEPARTMENT COURSES

BIOLOGY

BIOLOGY (Living Environment) – 1 Credit

Prerequisite: Regents Earth Science

This course includes all content in the New York State Regents level core curriculum in Living Environment. It is designed to provide broad general understanding of fundamental principles of biology and an in-depth understanding in selected areas. This laboratory-oriented program includes such topics as biochemistry, reproduction and development, modern genetics, evolution, ecology, and human physiology. The course involves developing an understanding of all the basic processes that occur in living things that enables them to survive. The State Regents exam in Living Environment is the final exam.

BIOLOGY HONORS (Living Environment) – 1 Credit

Prerequisite: Regents Earth Science and teacher recommendation

Due to the rigorous nature of the Biology Honors curriculum, a minimum course grade of 90 is strongly recommended. In addition, an Earth Science mid-term grade and Regents grade of 85 or better is also recommended to be successful in Biology Honors. This course covers all the topics outlined in the Living Environment Regents program in greater depth and in a more comprehensive mathematical manner geared towards Pre-AP Biology content. The State Regents exam in Living Environment is the final examination.

AP BIOLOGY – 1 Credit

Prerequisite: Chemistry required (Preference given to seniors)

AP Biology is a second year class which is designed to be comparable to a comprehensive college freshman biology course. Due to the rigorous nature of the AP Biology curriculum, a minimum 1st year course average of 80 in Chemistry is strongly recommended for success in this class. This course offers interested and qualified students an opportunity to do college-level work in a high school setting. The course deals with the topics of biochemistry, cytology, physiology, ecology, genetics, and evolution. All students enrolled in this course must take the AP exam in May (or students may opt for college credit instead through Adelphi University).

APPLICATIONS IN BIOTECHNOLOGY – ½ Credit

Prerequisite: Biology and Chemistry (Regents Chemistry may be a co-requisite)

This course is a hands-on science class giving students the opportunity to explore practical applications of biotechnology. Students will get hands-on experience manipulating DNA, performing techniques such as gel electrophoresis, PCR and analyze DNA microarrays. They will interpret their data to better understand areas of Forensic Biology, Medical Biochemistry and Infectious Diseases as well as learning about methods involved in diagnosing and treating cancers.

SCIENCE DEPARTMENT COURSES

CHEMISTRY

CHEMISTRY (Physical Setting) – 1 Credit

Prerequisite: Living Environment & Geometry

Co-requisite: Algebra II or Geometry with instructor permission

This course presents a comprehensive theoretical and quantitative view of the nature of matter as studied through the principles of chemistry. The course follows the topics in the state syllabus and provides a thorough foundation in subject content for a general inorganic chemistry course. Laboratory work is an essential part of this course, and it is designated to encourage students to search for chemical and physical relationships. Much of the laboratory work is of quantitative nature. The State Regents exam in Chemistry is the final examination. A four function scientific calculator is required. Graphing calculators are not permitted.

CHEMISTRY HONORS (Physical Setting) – 1 Credit

Prerequisite: Living Environment & Geometry

Due to the rigorous nature of the Honors Chemistry Curriculum, a minimum course grade and Regents grade of 85 in Living Environment and Geometry is strongly recommended for success in this class. This course covers all the topics outlined in the Chemistry Regents program in greater depth and usually in a more comprehensive mathematical manner geared towards Pre-AP Chemistry content. This program also involves a more extensive laboratory program than the Regents course. Students with strong interests and abilities in science and mathematics should enroll. The State Regents exam in Chemistry is the final examination. A four function scientific calculator is required. Graphing calculators are not permitted.

AP CHEMISTRY – 1 Credit

Prerequisite: Chemistry required, Physics and Pre-Calculus recommended or teacher approval. (Preference given to seniors)

AP Chemistry is a second year course that is designed to be comparable to a comprehensive college freshman inorganic chemistry course. Due to the rigorous nature of the AP Chemistry curriculum, a minimum 1st year course average of 80 in Chemistry is strongly recommended for success in this class. It provides stimulating challenge of rigorous college-level study that is highly mathematical in approach. Topics briefly described in 1st year chemistry are greatly expanded and developed in a quantitative and analytical manner. Experimentation will be extensive and will be open-ended in nature. Strong emphasis is placed on the areas of atomic theory and chemical bonding, thermodynamics, stoichiometric relations, reaction kinetics and quantum theory. All students enrolled in this course must take the AP exam in May (or students may opt for college credit instead, available through Adelphi University).

SCIENCE DEPARTMENT COURSES

PHYSICS

PHYSICS (Physical Setting) – 1 Credit

Prerequisite: Chemistry and Algebra II (or permission from the science coordinator)

This course represents a modern view of physics with major emphasis on these topics: waves, mechanics, electricity, magnetism and nuclear physics. In addition, an overview of particle physics is presented. This course requires grade level reading ability, math competence through trigonometry and laboratory experiences to demonstrate scientific principles. The State Regents exam in Physics is the final examination. Graphing calculator is required.

AP PHYSICS I and II – 1 Credit

Prerequisite: Chemistry and Algebra II

Double Period Every Day

This course offers interested and qualified students an opportunity to do college-level work in a high school setting. It provides an in-depth study of Newtonian mechanics, wave phenomena, electricity and magnetism, nuclear and modern physics. Students will take the Advanced Placement Physics 1 and 2 examinations and are required to take the New York State Regents examination in physics. Due to the rigorous nature of the Advanced Placement Physics curriculum, a minimum course grade and Regents grade of 85 in Chemistry and Algebra II is strongly recommended for success in this class. College credit may be obtained either through success on the AP examination or through the Adelphi University college credit program. All students enrolled in this course **must** take the AP exam in May (or students may opt for college credit instead, available through Adelphi University). The State Regents exam in Physics is the final examination. Graphing calculator is required.

AP PHYSICS C (Calculus Based) – 1 Credit

Prerequisites: AP Physics I and II and Pre-calculus (AB or BC is acceptable).

This course offers interested and qualified students an opportunity to do college-level work in a high school setting. AP Physics C focuses on integrating the principles of calculus into AP Physics material and provides an in depth study of kinematics, Newton's laws of motion, forces, and energy. Students will also get the opportunity to cultivate their understanding of physics through the completion of laboratory activities. All students enrolled in this course must take the AP exam in May.

SCIENCE DEPARTMENT COURSES

FORENSICS

FORENSIC SCIENCE I – ½ Credit

Prerequisite: Living Environment

Forensic science is the application of scientific principles to the study of crime scene investigation and analyses, or criminalistics. In the first semester of this two-semester course sequence, topics studied will include: an operational overview of a crime lab, constitutional considerations for criminal investigations, crime scene processing, fingerprinting, and some case study discussions. The course will begin with a study of the history of forensic science and progress through current techniques. Course will include guest lectures, laboratory work, hands-on projects, advanced computer forensic programs, and group discussions. This course complements Criminal Justice. Students that have completed College Forensic Science are not eligible to take this class.

FORENSIC SCIENCE II – ½ Credit

Prerequisite: Forensic Science I

The second semester course expands on the principles learned in Forensic Science I. Students will continue to study techniques related to criminalistics analyses, with topics such as: hair and fiber microscopy, DNA and blood pattern analysis, document analysis and anthropology. This program was designed to enable students to develop a deeper understanding of the diverse problems faced by the forensic investigator. To achieve this goal, students will use guest lectures, laboratory work, hands-on projects, and group discussions. Students that have completed College Forensic Science are not eligible to take this class.

COLLEGE FORENSIC SCIENCE (SUPA) – 1 Credit

Prerequisite: Regents or Honors Chemistry

This is a **four college credit** course sponsored by Syracuse University Project Advance, (SUPA), in which college level material (textbook, labs and notes) are utilized extensively throughout the year. Students will have the opportunity to purchase Syracuse college credits upon successful completion of this course. This course is intended to provide an introduction to understanding the science behind criminalistics. Scientific methods specifically relevant to crime scene processing and analysis will be presented with emphasis placed upon the techniques used in evaluation of physical evidence. Topics included are blood analysis, DNA, fingerprints, and trace evidence, among others. Laboratory exercises will include techniques commonly employed in forensic investigations. Students that have completed Forensic Science I and II are still eligible for the class.

SCIENCE DEPARTMENT COURSES

ELECTIVES

ANIMAL BEHAVIOR – 1 Credit

Prerequisite: Living Environment

This course will examine the world of animal behavior. It will include topics such as defense, social behavior, communication, mating and adaptations of animals. Students will explore their love of animals and learn about specific species such as wolves, lions, orcas, elephants, and many more. Part of the course will be project based. This course is perfect for students who love animals and want to understand more about their behaviors and the importance of conserving them.

ASTRONOMY – 1 Credit

Prerequisite: Earth Science

The first semester of this course will be devoted entirely to planetary and solar astronomy, and the second semester will focus on stellar astronomy. Topics in planetary and solar astronomy will include the properties of the known planets, comets and asteroids and an understanding of their observed and actual motion as well as the motion of the associated planetary moons. Characteristics, properties and effects of the sun will be discussed including the nature, causes and effects of electromagnetic phenomena such as sunspots, solar flares and the solar wind. The second semester, which will focus on stellar astronomy, involves the study of solar systems other than our own. Star development and classifications including nebulae and constellations will be studied. Concepts and understandings regarding how the properties of mass and gravity influence the life cycle of stars in terms of the formation of white dwarfs, red giants, neutron stars and black holes as well as the ultimate fate of the universe will be discussed. Topics will also include the study of the Search for Extraterrestrial Intelligence (SETI) and an investigation into UFO's and aliens.

ENVIRONMENTAL SCIENCE – 1 Credit

Prerequisite: Living Environment

The environmental science course is an interdisciplinary study utilizing knowledge and information from the natural sciences (such as biology, earth science and chemistry) and from the social sciences (such as economics, politics, and ethics). The emphasis of study is on the development of the students understanding of how complex and interconnected environmental systems are influenced by both natural and man-made changes. They will study the interrelations that exist between technological and economic decision-making which affect environmental systems. Study will be based upon solid scientific knowledge. The class will stress the interrelationship of different scientific disciplines and provide students with insights into the current and future environmental issues that stem from both natural and human activities. The topics discussed will range from climate change and waste management to human toxicology.

APPLIED SCIENCE – 1 Credit

Prerequisite: Algebra, Living Environment or Earth Science.

This course is a hands-on, project based class that will allow students to apply concepts of Biology, Chemistry and Physics to their everyday lives. We take an interactive approach to science and students will make science solutions including ice cream, smores and slime. As we explore the chemistry of cosmetics we will make soap, bath bombs and candles. This course also explores the science behind tie dye and the chemistry of food.

SCIENCE DEPARTMENT COURSES

ELECTIVES

COLLEGE ENGINEERING – 1 Credit (SAME COURSE AS FORMER INTRODUCTION TO ENGINEERING)

Prerequisite: Geometry

This course will introduce students to the field of engineering through hands-on, as well as theoretical problem-solving. This course will allow the students to understand that engineering is the practical application of science and mathematics. College Engineering will be a problem-solving/application oriented class with a strong emphasis on understanding the scientific principles used in the problem-solving component and in the technology that is used to develop solutions in engineering applications. College credit is available through Farmingdale State College.

INTRODUCTION TO ROBOTICS – ½ Credit

Grades 9 – 12

Robotics is a hands-on course that combines the principles of engineering, math, computer programming and technology together. Students will use LEGO MindStorm kits to gain engineering and design experience in problem solving. The design construction and programming of these table top robots will make use of sensors such as, encoders, gyros, potentiometers and LED intensity sensors. Once given criteria and performance objectives, students will be expected to design a functional robot utilizing the appropriate sensors.

In conjunction with the LEGO MindStorm kits, students will also use LabView. LabView is icon driven programming software that is capable of designing and testing complex electronic software/hardware. This software is used by electrical engineers in industry and is currently being used by the Plainedge High School Robotic Team to program autonomous/remotely operated 130 lb. robot for the USFIRST Robotics Competition.

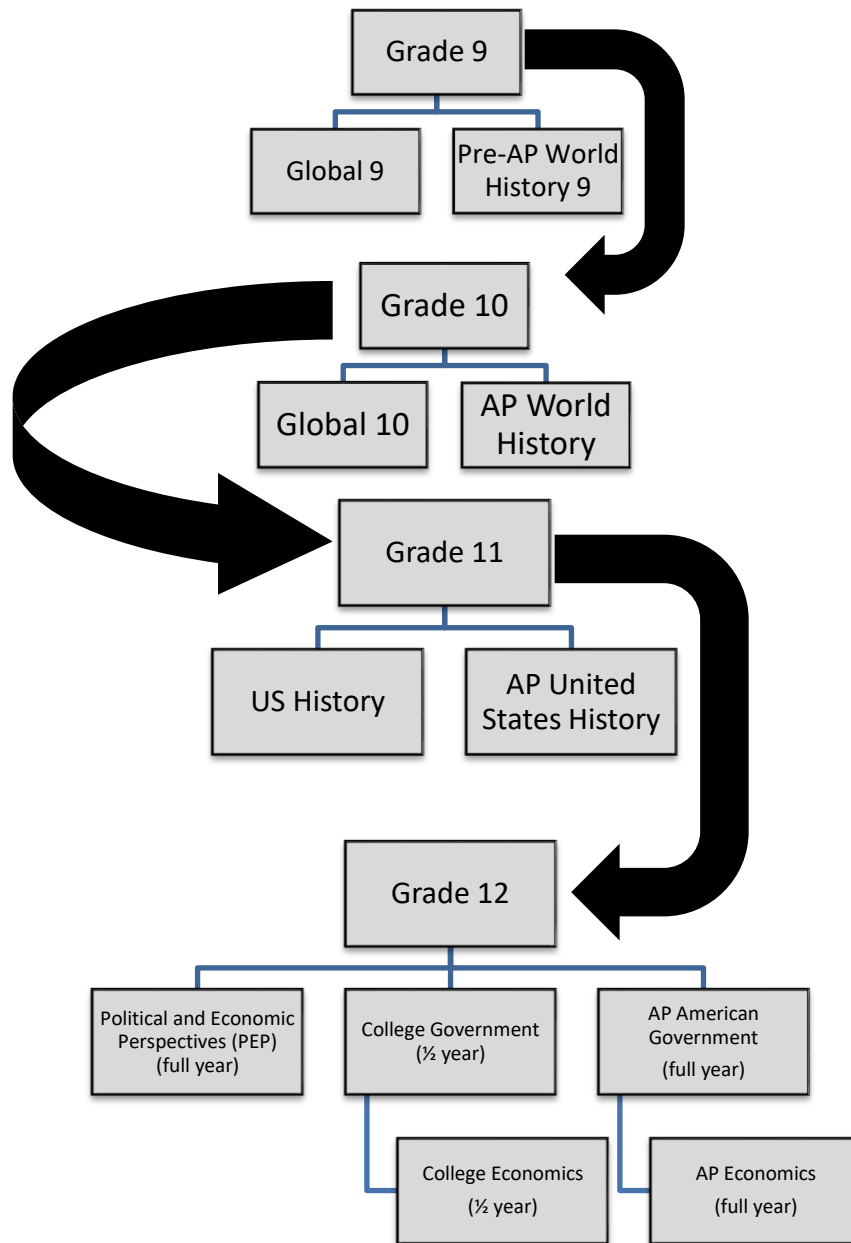
During the course, students will study the history of robotics and impact on society. This course will provide a glimpse of engineering as a career and will help students see the application of math and science in a real world application.

MARINE BIOLOGY and OCEANOGRAPHY– 1 Credit

Prerequisite: Living Environment

In this elective, students will learn about the ocean and the animals that live there through a multitude of hands-on activities, demonstrations and simulations. Students will learn about whales, dolphins and sharks as well as hurricanes, tsunamis, tides and the ocean floor. Students will participate in an interactive presentation of live invertebrates. A field trip to the Great South Bay will be an opportunity for students to become amateur marine scientists for the day.

SOCIAL STUDIES DEPARTMENT



Social Studies Electives

AP Psychology (11-12)
 AP Seminar (10-12) see page 42
 AP Research (11-12) see page 42
 College Psychology (11-12)
 College Sociology (11-12)

Criminal Justice (9-12)
 Crisis and Conflict to 1815 (9-12)
 Crisis and Conflict in Modern Times (9-12)
 Exploring Psychology/Sociology (10-12)
 Global History Through Film (9-12)
 US History Through Film (9-12)

SOCIAL STUDIES DEPARTMENT

OVERVIEW

Social Studies utilizes the facts, concepts, generalizations, and skills of history and the social sciences (anthropology, economics, geography, political science, government, sociology, and social psychology) to promote active citizenship. Social Studies may be defined as an integration of experience and knowledge from history and human relationships. Social Studies encourages critical thinking, problem-solving, and a commitment to human dignity. This definition suggests that social, economic, and political actions are an important consequence of civic understanding and decision-making.

The New York State K-12 Social Studies Framework is designed to prepare students for college, careers, and civic life with courses that are rigorous and aligned to the New York State Learning Standards for Social Studies. The 9-12 Framework consists of the following social studies practices:

- Gathering, Interpreting, and Using Evidence
- Chronological Reasoning and Causation
- Comparison and Contextualization
- Geographic Reasoning
- Economics and Economics Systems
- Civic Participation

Evaluation:

Student performance in social studies courses is evaluated on the basis of:

- Completion of homework and classwork assignments;
- Participation in class lessons and discussions;
- Preparation and achievement on class assessments, including tests and quizzes;
- Development of notetaking skills and the ability to organize notes;
- Completion of research projects and presentations.

Note: All students will be REQUIRED to take the Regents Exam in Global History and Geography and the United States History and Government Regents examination. Therefore, there will be extensive preparation in all classes that end with these examinations.

AP Expectations:

The following denotes what is incorporated within AP and college level social studies courses:

- Take the AP exam in May
- Meet or exceed New York State and AP standards in social studies
- Communicate ideas effectively through writing; college level writing and reading recommended
- Participate actively in class discussions
- Demonstrate an expansive knowledge of the major periods and issues in History
- Submit assignments on time
- Read quickly and with understanding both primary sources and analytical, secondary sources
- Read and take notes independently

SOCIAL STUDIES DEPARTMENT COURSES

GLOBAL HISTORY 9 – 1 Credit

Prerequisite: Social Studies 8

This course covers content and skills ranging from pre-history through the year 1750. Students will use a variety of intellectual skills such as document analysis and writing analysis to demonstrate their understanding of major ideas, eras, themes, developments, and turning points in world history and examine the broad sweep of history from a variety of perspectives. All students must pass the course to advance to Global History 10.

PRE-AP WORLD HISTORY 9 – 1 Credit

Prerequisite: Social Studies 8 and teacher recommendation

This course is the required first year of a two-year AP World History program which culminates in the AP World History Modern exam at the end of tenth grade. It is strongly recommended that students who register for this course have a 95 overall average in eighth grade social studies and exhibit advanced reading, writing, and critical thinking skills. This course covers the large scale patterns in world history from prehistoric times through the sixteenth century including the era 1200-1450 which serves as the official beginning of AP World History: Modern. Special emphasis is given to developing AP History “Historical Thinking Skill and Reasoning Processes.” As the introduction to an AP course, the individual workload is demanding and students will be required to use a college-level textbook. Several required summer reading assignments will be offered to introduce students to various skills used in the course.

GLOBAL HISTORY 10 – 1 Credit

Prerequisite: Global History 9

This course covers content and skills beginning in the year 1750 and continues up to the present day. Students will use a variety of intellectual skills such as document analysis and writing assessments to demonstrate their understanding of major ideas, eras, themes, developments, and turning points in World History and to examine the broad sweep of history from a variety of perspectives. Global History 10 includes an extensive review in preparation for the Regents exam at the end of the course.

AP WORLD HISTORY: Modern 10 – 1 Credit

Prerequisite: Pre-AP World History

This full year course is for 10th grade students of very high ability and motivation. Students are expected to have successfully completed the Pre-AP World History 9 course with an average of 85 or better. This course continues the overall pattern of World History from 1200 C.E. to the present. The final challenge to the student is the National Exam in Advanced Placement World History. All students enrolled in this course must take the AP exam in May which can earn them 3 college credits. The course also includes an extensive review in preparation for the Regents Exam at the end of the course.

Note: Many students take this course in 10th grade after completing 9th grade Pre-AP World. However, this course can also be taken as a Junior or Senior for elective credit.

UNITED STATES HISTORY AND GOVERNMENT 11 – 1 Credit

Prerequisite: Global History 9 & 10

This course deals with the thematic and chronological study of American History from 1763 to the present. Special emphasis is placed on the themes of power and government, leadership, conflict, and equality/justice. This course will also focus on building skills such as gathering, interpreting and using evidence, document analysis, essay writing and critical thinking. All students are required to take a Regents exam at the end of this year. Extensive review will be provided for the Regents exam at the end of the course.

SOCIAL STUDIES DEPARTMENT COURSES

AP UNITED STATES HISTORY 11 – 1 Credit

Prerequisite: AP World History and/or teacher recommendation

A full year course for students of very high ability that deals with American History taught from a chronological approach. It is strongly recommended that students have an 85 and above overall average in AP World History or 95 and above overall average in Global History 10 Regents with a teacher recommendation to take this course. Primary sources are studied, as well as conflicting views and interpretations of events and movements in our national history. All students enrolled in this course take the AP exam in May making them eligible for college credits, and the US History Regents in June. A summer reading assignment is required for all students.

POLITICAL AND ECONOMIC PERSPECTIVES (PEP) – 1 Credit

Prerequisites: Global History 9 & 10 and U.S. History

New York State requires all seniors to complete a course in government and economics in order to graduate from high school. This course is designed to introduce students to several basic concepts and understandings needed to function effectively and intelligently as participants in the global economy and political process. Students will explore political parties and reflect on their own beliefs on current issues facing the nation. Students will also explore our capitalistic society and entrepreneurship. Students are expected to complete all requirements including projects, papers and exams.

COLLEGE GOVERNMENT – ½ Credit

Prerequisites: Global History 9 & 10 and US History and/or teacher recommendation

This half year course is designed for college-bound students who have demonstrated mastery of basic social studies skills and would like to obtain three college credits in American Politics from LIU Post. Topics include types of government, political ideology and civic responsibility. Current events will be discussed. Students will create political parties and simulate the lawmaking process. Students are expected to complete high quality work and will be graded on a college level. It is recommended that students have an 85 and above overall average in U.S. History to take this course.

Note: You must have an overall GPA of 80 to be accepted in the LIU Post High School Scholars Program.

COLLEGE ECONOMICS – ½ Credit

Prerequisites: Global History 9 & 10 and US History and/or teacher recommendation

This half-year course is designed for college-bound students who would like to obtain three college credits from LIU Post. Writing, research, analysis, theory and current economic problems will be stressed in this course. Students are expected to produce high-quality work and will be graded on a college level. It is recommended that students have an 85 and above overall average in US History to take this course.

Note: You must have an overall GPA of 80 to be accepted in the LIU Post High School Scholars Program.

SOCIAL STUDIES DEPARTMENT COURSES

AP UNITED STATES GOVERNMENT & POLITICS – 1 Credit

Prerequisites: Global History 9 & 10 and AP US History and/or teacher recommendation

This is a full year course for students of very high ability and motivation that covers U.S. Government from a contemporary approach. This course is similar to the first two semesters of College Political Science. Primary sources, speeches, polls, and trends in modern government, both American and foreign, will be analyzed. Varying points of view will be compared and contrasted for a more complete understanding of U.S. government and politics. All students enrolled in this course must take the AP exam in May.

AP ECONOMICS – 1 Credit

Prerequisites: Global History 9 & 10 and AP US History and/or teacher recommendation

This is a full year course for students of very high ability and motivation that covers macroeconomics, the monetary system and a study of economics in the broad marketplace. All students will be graded on an advanced placement level. Students will be able to apply the concepts covered in the course to analyze modern day economic problems and current events. All students enrolled in this course must take the AP exam in May.

SOCIAL STUDIES ELECTIVES

The Social Studies Department believes that every student should have the freedom to pursue individual interests, and offers a variety of electives designed to tap special talents.

AP Psychology

AP Seminar

College Psychology

College Sociology

Criminal Justice

Crisis and Conflict to 1815 and Crisis and Conflict in Modern Times

Exploring Psychology & Sociology

Global History Through Film

US History Through Film

AP PSYCHOLOGY – 1 Credit

Grades 11 and 12

AP Psychology is an exciting exploration of your brain in unprecedented detail. This course combines neuroscience, psychopathology (mental illness) and treatment (counseling, medicine), personality theory and research methodology. Participation in this course will prepare you for the AP Psychology Exam in May and provide grounding for several college PSY101 courses for those with a real passion for learning about the mind, as well as those considering careers in medicine, psychology, and counseling. It is strongly recommended that students have a GPA of 80 and above in previous Psychology courses to take this course. All students enrolled in this course **must** take the AP exam in May.

SOCIAL STUDIES DEPARTMENT COURSES

COLLEGE PSYCHOLOGY – ½ Credit

Grades 11 and 12

College Psychology is offered to Plainedge High School students with the opportunity to earn three college credits from LIU Post. This course introduces students to the scientific study of behavior and the mental processes of human beings. Students will explore fundamental topics in psychology such as memory, perception, the major psychological theories, psychological disorders and treatment. Class discussions will focus on current topics, real life experiences and applications of psychological theories. Students are expected to produce high-quality work and will be graded on a college level. It is strongly recommended that students have a GPA of 85 and above to take this course.

Note: You must have an overall GPA of 80 to be accepted into the LIU Post High School Scholars Program.

COLLEGE SOCIOLOGY – ½ Credit

Grades 11 and 12

College Sociology is intended for college bound juniors and seniors with an interest in sociology and sociological research. By reading current works in the field of sociology, students will investigate such sociological phenomenon as the formation of social structures and the social inequalities of gender, race, and class that exist in our world. Heavy emphasis is placed on evaluating commonly held assumptions of society through readings, class discussions, and individual research projects. Sample topics include teen suicide, clique dynamics, mass media, gender as a socially constructed identity, and “The Disneyfication of Children’s Culture.” All students enrolled in this course are eligible and encouraged to earn three college credits. It is strongly recommended that students have a GPA of 85 and above to take this course.

CRIMINAL JUSTICE – ½ Credit

Grades 9-12

This course will focus on providing a practical understanding of law and the legal system that will be of use in everyday life. It will work to improve understanding of the fundamental principles and values underlying the Constitution, laws, and the legal system. Topics that will be covered include rights and responsibilities, crime, law enforcement, the validity and effectiveness of our legal and correctional systems, and an Introduction to Criminal Procedure from the time of arrest through the trial process. Through projects, film analysis, debates and guest speakers this course will attempt to promote awareness of current issues and controversies relating to law and the legal system. This course complements Forensic Science

SOCIAL STUDIES DEPARTMENT COURSES

CRISIS AND CONFLICT TO 1815 – ½ Credit – (opportunity for Honors credit)

Grades 9-12

Explore the drama, the horrors, and the heroism of some of the most dramatic events in pre-modern times. For an entire marking period, detailed lessons on one topic are mixed with exciting Hollywood movies and complex simulation games played in class (we have been doing the Roman Civil Wars lately). For the remainder of the class, we'll touch on many topics, each chosen by the class. We learn about the topic briefly and then watch a relevant movie to bring it to life. Favorites include the Crusades, Japanese samurai, the Mongol invasions, the Hundred Years' War, the French and Indian War, and the American Revolution. Don't just read about history; discuss it, watch it, and play it! You'll learn more on these topics than ever before, and in a fun and exciting way. The course is designed primarily for students with an interest in history and drama. Really motivated students (good readers and writers) can register for honors, meaning that they will complete additional assignments and projects for honors credit and weighting.

CRISIS AND CONFLICT IN MODERN TIMES – ½ Credit – (opportunity for Honors credit)

Grades 9-12

Explore the drama, the horrors, and the heroism of some of the most dramatic events in modern times. For an entire marking period, detailed lessons on one topic are mixed with exciting movies and complex simulation games played in class. Student choices in recent years have included the American Civil War, the Vietnam War, Hitler's Third Reich, World War II, The Cold War and Islamic Terrorism. For the remainder of the class, we touch on many topics, each chosen by the class. We learn about the topic briefly and then watch a relevant movie to bring it to life. Don't just read about history; discuss it, watch it, and play it! You'll learn more on these topics than ever before, and in a fun and exciting way. The course is designed for students with an interest in history and drama. Really motivated students (good readers and writers) can register for honors credit, meaning that they will complete additional assignments and projects for honors credit and weighting.

EXPLORING PSYCHOLOGY & SOCIOLOGY – ½ Credit

Grades 10-12

In this introductory course, the social sciences of psychology and sociology will be used to explain why we do what we do, and how society affects behavior. In sociology, students will examine relationships among cultures and social institutions, such as family and class structure. Psychology offers explanations for how people learn, grow, behave and interact. By exploring society and the human mind, social scientists can gain insight into current issues such as poverty, crime, deviance, disorders, and conflict.

SOCIAL STUDIES DEPARTMENT COURSES

***GLOBAL HISTORY THROUGH FILM – ½ Credit**

Grades 9-12 (recommended for students taking Global 10)

This course will examine major time periods of Global History through the lens of films and movies. Films offer a glimpse into the past with stories of courage, leadership, innovation, triumph, war, injustice and deceit. Students will use film as historical evidence in determining the accuracy of the film, the point of view of the filmmakers and the impact of the film on society. Students will be required to study the time period with primary and secondary sources, and analyze the film through discussions, journal writing and projects. Approximately 12 films will be viewed and analyzed during the semester. Films shown may include: Gandhi, 1917, Man in the Iron Mask, Defiance, Unbroken, The Courier, Miracle, Mandela: A Long Walk to Freedom.

***US HISTORY THROUGH FILM – ½ Credit**

Grades 9-12 (Recommended for students taking US History)

This course will examine major time periods of United States History through the lens of film and movies. Films offer a glimpse into the past with stories of courage, leadership, innovation, triumph, war, injustice and deceit. Students will use film as historical evidence in determining the accuracy of the film, the point of view of the filmmakers and the impact of the film on society. Students will be required to study the time period with primary and secondary sources, and analyze the film through discussions, journal writing and projects. Approximately 12 films will be viewed and analyzed during the semester. Films shown may include: 12 Years a Slave, Far and Away, There will be Blood, Iron Jawed Angels, Saving Private Ryan, Hidden Figures, The Green Book, Born on the 4th of July, American Sniper, Forest Gump.

*The film courses supplement the US and Global History curriculums. They offer students the opportunity to enhance their content knowledge and historical thinking skills in preparation for the NYS Regents exams.

VOCATIONAL EDUCATION

Vocational Education is available through Nassau BOCES. Accepted vocational students spend half of the school day at Plainedge High School taking their academic courses, and the other half at their vocational program. Most programs span two years and require a two-year commitment from the interested student.

Space is limited and students must meet certain criteria before being considered for these programs. These criteria include:

- Attendance record at Plainedge High School
- Grade level graduation progress
- Connection between program and post-high school goals
- Review of Discipline Records
- A complete application including a personal statement

***Programs Available**

- Automotive Technology
- Business/Information Services
- Cosmetology
- Culinary Arts
- Electrical Technology
- Engineering Technologies
- Health Services
- Human Services
- Landscape Design and Management
- Medical Assisting/Healthcare
- Natural and Agricultural Sciences
- Police Science/EMT

First year students (juniors) must take a morning program at the technical centers (Barry Tech- Westbury 7:27 am to 10:00 am) and (GC Tech- Levittown 7:05 am to 9:35 am), while second year students (seniors) take an afternoon program at (Barry Tech 11:45 am to 2:15 pm) and (GC Tech 11:00 am to 1:30 pm).

*Please note the district may not support all programs

APPLICATION PROCESS

1. Meet with your counselor to express interest in attending a vocational program.
2. Submit a completed Plainedge Interest Vocational Application to Guidance no later than January 18, 2023. Applications are available in guidance office.
3. All applications will be evaluated by committee based on the criteria listed above.
4. If approved by committee, student and parent must meet with counselor, visit program, and complete the Nassau BOCES application process.

WORLD LANGUAGE DEPARTMENT

OVERVIEW

The goal of second language teaching and learning is the achievement of functional communication in the context of the target language and culture. There are four primary components of functional communication and they serve as the basis of our program's learning outcomes at all levels: Checkpoints A, B and C. These four components are:

1. **Function:** the purpose of communication; socializing, providing and obtaining information, expressing personal feelings, getting others to adopt a course of action.
2. **Situation:** the context in which the communication occurs; listening, listening/speaking, reading and writing.
3. **Topic:** the subject of communication; personal identification, house and home, services, family life, community, physical environment, meal taking, health and welfare, education, earning a living, leisure, shopping, travel, etc.
4. **Proficiency:** the degree of accuracy and the scope of the communication and the degree of control of the basic elements of language.

To reach the desired learner outcomes all language classes are conducted in the target language. The five goals (the 5 C's) of the World Language Standards are Communication, Cultures, Connections, Comparison, and Community. The goals are further broken into standards. For each standard, progress indicators are provided.

Evaluation

Student performance in World Language courses is evaluated on the basis of:

- Completion of homework and classwork assignments;
- Participation in class lessons and discussions;
- Preparation and achievement on class assessments, including tests and quizzes;
- Development of notetaking skills and the ability to organize notes;
- Completion of research projects and presentations.

AP Expectations:

- Take the AP exam in May
- Meet or exceed standards in World Language
- Develop core language skills (listening, speaking, reading and writing) through the use of authentic materials
- Participate in class lessons and discussions
- Complete and turn in work on time
- Read and organize material independently

WORLD LANGUAGE DEPARTMENT COURSES

ITALIAN I – 1 Credit

The purpose of this course is to introduce a student to the early stage of the Italian language. Emphasis will be placed on listening, speaking and extensive use of newly acquired vocabulary. Simple grammatical structures will be introduced so that students will develop basic reading and writing skills. Students will also begin to explore Italian culture and the contribution of this country to the world. This course corresponds to Checkpoint A of the NYS Learning Standards.

INTRO TO SPANISH I – 1 Credit

The purpose of this course is to introduce a student to the early stage of the Spanish language. Emphasis will be placed on listening, speaking and extensive use of newly acquired vocabulary. Simple grammatical structures will be introduced so that students will develop basic reading and writing skills. Students will also begin to explore Spanish culture and the contribution of the Spanish speaking countries to the world.

SPANISH I – 1 Credit

Prerequisite- Intro to Spanish 1 at Plainedge High School or limited study at Plainedge Middle School or middle school level.

The purpose of this class is to introduce students to the early stage of the Spanish Language, as well as provide a follow up to basic Spanish language learned in intro Spanish I. Emphasis will be placed on listening, speaking and extensive use of newly acquired vocabulary. Simple grammatical structures will be introduced/reinforced so that students develop basic reading and writing skills. Students will explore Spanish culture and the contribution of Spanish speaking countries to the world. This course corresponds to Checkpoint A of the NYS Learning Standards.

SPANISH II – 1 Credit / ITALIAN II – 1 Credit

Prerequisite Spanish I / Prerequisite Italian I

Teacher recommendation also permitted if student mastered another language. Recommended grade of 80 or better in Spanish 1 or Italian 1 at the MS Level.

Spanish II and Italian II are the first year of the Checkpoint B Learning Standards. The four components of the World Language, listening, speaking, reading and writing, are displayed through comprehension, communication, expression of personal needs and experiences through writing.

SPANISH III – 1 Credit / ITALIAN III - 1 Credit

Prerequisite Spanish II / Prerequisite Italian II

These courses finish the Checkpoint B Learning Standards. Students will be able to communicate as if they were traveling through a foreign speaking country, i.e. (order a meal, reserve a room, purchase a ticket and understand and give directions.

SPANISH IV COLLEGE LEVEL – 1 Credit

Honors Level Intermediate Spanish/Structure Review and Culture

Prerequisite – Spanish III

This course affords students the opportunity to demonstrate college level achievement. The purpose of this course is to facilitate students' proficiency in the areas of reading, grammar, writing and conversation from an intermediate to advanced level. It will also include selected readings and conversations on the culture and civilization of Spain and Latin America.

WORLD LANGUAGE DEPARTMENT COURSES

ITALIAN IV COLLEGE LEVEL – 1 Credit

Honors Level Intermediate Italian/Structure Review and Culture

Prerequisite – Italian III

This course affords students the opportunity to demonstrate college level achievement. The purpose of the course is to facilitate students' proficiency in the areas of reading, grammar, writing and conversation from an intermediate to advanced level. It will also include selected readings and conversations on Italian culture and civilization.

For Spanish IV and Italian IV (May be taken for College Credit)

See Page 6 for criteria—students may earn up to 6 credits from St. John's University.

AP SPANISH – 1 Credit

Prerequisite – Spanish IV and recommendation

Students will receive an in-depth study of Spanish language and culture, developing written and oral fluency. All students enrolled in this course **must** take the AP exam in May.

SPANISH V – 1 Credit

Experiences in the Culture and Language of the Spanish Speaking World

Prerequisite – Spanish IV and recommendation

This course will promote student fluency in the Spanish language. This course will emphasize the similarities and differences of the various Spanish-speaking countries as well as the way in which understanding another culture impacts one's own understanding of his or her cultural belief systems. This course will promote an attitude of acceptance of differences that ultimately should help students accept, respect and work productively with persons different from ourselves. Ultimately, it will help prepare students to live in a culturally complex society.

ITALIAN V – 1 Credit

Modern Italian Culture

Pre-requisite – Italian IV Intended For Seniors

Continuation of the Italian language, primarily focusing on culture and how it is represented in food, art architecture, history, geography, music and film. Class material will be authentic print and audio media with focus on historical and pop culture. May also be taken for St. John's University credits (3). The option to work toward AP examination readiness will be available based on individual student interest and desire.

INTERNATIONAL FILM STUDIES – ½ Credit

Prerequisite – Spanish III or Italian III

Students will learn about the influence of other cultures and languages around the world as related to food, art, music and film, and be able to relate it to their own culture. We will explore world history and cultural differences as shown through film in their original languages with English subtitles.

CO-CURRICULAR ACTIVITIES

Co-Curricular activities are an important extension of the academic program. Plainedge High School offers a wide variety of clubs and other activities after school, and students are encouraged to become involved in the school community by participating in events after school hours. Students should listen to the daily announcements and check the daily bulletin in PowerSchool for information about the various clubs and organizations available. A list of all co-curricular activities is available from the Guidance Office.

ART CLUB

The High School Art Club, which includes the National Art Honor Society, is an organization formed to allow students the opportunity to further an individual interest in art. It exists to benefit the school and the community. Students will be involved in volunteering their abilities for community displays throughout the district. Students may be involved in fundraising activities.

BEST BUDDIES

Want to make a friend? Want to become involved at Plainedge? Best Buddies matches students with intellectual disabilities with high school students from general education to create one-to-one friendships. Our mission at Best Buddies is to spread the message of inclusion and equality for individuals with disabilities. Come join Best Buddies Plainedge!

CHAMBER ORCHESTRA

The Chamber Orchestra is a group that performs a varied repertoire of musical styles and periods. The Orchestra is open to motivated string students performing on a NYSSMA level V and scoring an A or better. Chamber participants perform for school concerts and selected community events.

DRIVER EDUCATION

Driver Education is offered during the fall and spring semesters and in the summer. A contracted auto school provides the driving experience. Students must be 16 years old at the start of the session and possess a valid learner permit. Students must be in good academic standing.

DRAMA CLUB

The Drama Club members put on a play in the fall and a musical in the spring. Our most recent shows have been *Catch Me If You Can*, *Lend Me A Tenor*, and *Almost, Maine*. Actors, actresses, singers, dancers, and crew members are all essential participants in our shows. If you are interested in any of these, please consider joining. Students from all grades are welcome. No experience is necessary!

ENGLISH HONOR SOCIETY

English Honor Society is an organization composed of students who exhibit academic excellence and who are committed to community service. Students will perform various services for the community throughout the year. Students must have had an overall English grade of 90 or higher during the previous school year in order to become a member.

ETHICS BOWL (BENJAMIN FRANKLIN SOCIETY)

The Ethics Bowl (Benjamin Franklin Society) is a co-curricular activity for students who have an interest in exploring issues of social science and ethics. A primary focus of the Ethics Bowl (Benjamin Franklin Society) Team is to prepare for high school ethics bowl competitions.

CO-CURRICULAR ACTIVITIES

FORENSICS CLUB

The Forensics Club is an extracurricular group that allows students who are interested in science, law enforcement, and law to explore how these areas are intertwined and how they play a role in real life. This is done through workshops, guest lectures, movie/documentary viewings, and case-study discussions. Past workshops include areas such as fingerprinting, crime-scene processing, and bite-mark analysis. The group also organizes a CSI competition in which interested members and forensic science students can participate. The club's goal is to encourage and celebrate interest in the sciences.

FRESHMAN CLASS

The Freshman Class Student Council is an organization consisting of 9th grade student representatives, working to get all freshmen involved in the many social and academic areas of school life. The representatives are the voice of the Freshman Class, responsible for decision-making on behalf of their classmates, fundraising for future events, as well as community service projects throughout the school and community.

GAY/STRAIGHT ALLIANCE (GSA)

This club works to create a more accepting and tolerant environment for LGBT students and their straight allies in the high school and to protect all students from harassment, abuse and mistreatment.

INTERNATIONAL CLUB

The International Club is composed of students interested in becoming more aware of the cultural diversity around them. The International Club plays a major role in promoting World Language Week in March as well as "International Night," which is a celebration of the diversity in our school and community. Our mission is to touch the lives of others and appreciate the diverse cultures and heritages in our world.

JAZZ BAND

The Jazz Band meets throughout the school year after school once a week. Interested students are encouraged to enroll in band. This group gives advanced students some freedom to explore the more personal and creative aspects of their instrument and music. Charts to be played range from the big band sounds to updated jazz/rock arrangements. This club is open to students through audition. Performances also include a spring concert.

JAZZ CHOIR

The Plainedge Jazz Choir is a group of auditioned students that performs music from the popular and jazz repertoire. Jazz Choir performs in annual concerts, as well as for organizations and schools in the area that are looking for special entertainment. The Jazz Choir rehearses weekly after school. Interested students are encouraged to enroll in either Mixed Choir or Concert Choir during the school day.

CO-CURRICULAR ACTIVITIES

JUNIOR CLASS

The purpose of the Junior Class Council is to give the 11th grade class members an opportunity to express themselves through their elected officers. The officers of the Junior Class (one president, one vice president, one secretary, and one treasurer) meet on Wednesdays (more frequently when activities or fundraisers are in progress) to plan and discuss matters pertinent to the class as a whole. All 11th grade students are invited to attend these meetings.

KEY CLUB

The Key Club is a volunteer organization dedicated to helping others in the community. Annual projects, such as the Field of Honor and Blood Drive, are organized and run by the club. If you are looking to make a difference in the Plainedge community and beyond, come join us!

KICKLINE

Fall Season

Dancing, marching, and pom-pom work are combined to add a colorful pictorial effect at marching band performances. Performances are at home football games, parades and community events. Practice is three times a week during football season and as needed for parades.

Competition Season

Kicking and dancing are combined to create exciting routines to be performed at local and regional competitions. Practice is three times a week from November through March. Participation in the Fall Season is a prerequisite for participating on the kickline competition team through March.

LITERARY MAGAZINE (*Ventures*)

Published annually, *Ventures* magazine features the best writing, artwork and photography of Plainedge High School students. A student-run publication, *Ventures* provides staff members with valuable experiences in all aspects of editing and magazine production. The *Ventures* club meets twice a month. All students are invited to submit stories, poems, essays, and illustrations throughout the year.

MATHLETES

Mathletes is a club open to any student attending Plainedge High School who wishes to compete mathematically against other students from across New York State. Students sharpen their math skills in preparation for a monthly math competition by attending bi-monthly meetings. Cumulative scores are kept for each student so that students can compare their scores with students from other Long Island and New York State schools. Participants who score well are recognized locally and regionally.

MATHEMATICS HONOR SOCIETY

The Mathematics Honor Society is a club dedicated to acknowledging student success in the area of Mathematics and promoting civic engagement. Prospective candidates must hold a minimum mathematics average of 85. Members work through a system of participation in club-sponsored events and activities to remain active in the club. Events and activities include various fundraisers for charities, the annual Pi Day celebration, Math Battle, tutoring elementary school students, and others.

CO-CURRICULAR ACTIVITIES

NATIONAL HONOR SOCIETY

The National Honor Society, with chapters throughout the United States, is a leadership and service organization for 11th and 12th grade students. Membership in the National Honor Society is highly regarded by high schools, colleges and universities. In order to be considered eligible to join NHS, one must maintain an unweighted GPA of 90 or a weighted average of 92. All eligible sophomores and juniors will be invited to apply in the early spring of each year. These students must also be recommended by the faculty for service and leadership. All students who qualify are welcome to apply. The Plainedge chapter is involved in many aspects of high school and community life. Services range from sponsoring cultural events to ushering at dramatic and musical events, teacher conferences and career nights. Our members have volunteered at various walks and participated in numerous fundraising events. The National Honor Society Members also provide tutoring throughout the district in a variety of subjects.

NEWSPAPER (*Devil's Tale*)

The Newspaper Club is responsible for the publication of the *Devil's Tale*. Members of the club receive practical newspaper experience by writing features, news stories, sports stories, editorials and columns, learning about photojournalism and practicing layout design. The club meets weekly before or after school.

QUIZ BOWL

The Quiz Bowl Club is comprised of ninth through twelfth grade students who have the desire to compete by using their intellectual prowess in a variety of academic areas including history, English, math, science, music and art. Students will compete in the Regional Quiz Bowl Competition, as well as the Science Bowl.

ROBOTICS CLUB

The Robotics Club offers all students the unique opportunity to apply the concepts they are learning in school to a real-world application. Students working with teacher mentors will design, construct and test a radio controlled 120 lb. (max) robot capable of meeting specified design requirements. The team will then operate this robot in the USFIRST Robotics Competition, complete with referees, cheerleaders and time clocks. This National Engineering Contest which immerses high school students in the exciting world of engineering, scientific and mathematical principles, is designed to inspire students to choose a career in engineering, computer programming or another high-tech skilled position. The Robotics program is a team effort; every student that participates will walk away with a sense of accomplishment and success.

SADD (STUDENTS AGAINST DESTRUCTIVE DECISIONS)

SADD is a club that unites students around a passion for caring about others and a dedication to creating social change. SADD's positive influence on youth extends well beyond the issue of drinking and driving. Students work to eliminate underage drinking and other teenage destructive decisions by educating students of the dangers of negative decisions. Programs such as Red Ribbon Week, American Cancer Society's "Great American Smokeout" and the Prom Pledge are some of the various activities in which SADD participates.

CO-CURRICULAR ACTIVITIES

SCIENCE HONOR SOCIETY

The Science Honor Society is a club dedicated to supporting scientific activities and promoting scientific literacy throughout the science department, school, and community. Prospective candidates must have:

- Completed their freshman year of high school;
- A minimum weighted GPA of 85;
- A minimum weighted science average of 85;
- A minimum weighted math average of 80.

SENIOR CLASS

The purpose of the Senior Class Council is to give the 12th grade class members an opportunity to express themselves through their elected officers. The officers of the Senior Class (one president, one vice president, one secretary, and one treasurer) meet regularly (more frequently when activities or fundraisers are in progress) to plan and discuss matters pertinent to the class as a whole. The Senior Class Council engages in the planning and preparation of several memorable events, such as Homecoming, Pep Rally, Senior Prom and sports activities, all of which add to the spirit that makes a student proud to be a senior at Plainedge High School.

SOPHOMORE CLASS

The purpose of the Sophomore Class Council is to give the 10th grade class members an opportunity to express themselves through their elected officers. The officers of the Sophomore Class (one president, one vice president, one secretary, and one treasurer) meet regularly (more frequently when activities or fundraisers are in progress) to plan and discuss matters pertinent to the class as a whole. The elected officers of the Sophomore Class involve classmates in activities that exhibit their concern and interest in others.

TRI-M MUSIC HONOR SOCIETY

TRI-M is a nationally recognized Honor Society for musicians who have achieved the following minimum requirements:

- Grade 9: NYSSMA Solo Rating of IV E;
- Grades 10, 11 and 12: Level V 90, Level VI 85, or better.

This diverse group provides an added outlet for musical performance and community service. Students must have an 85 overall average and a 95 in music.

TV PRODUCTION

The TV Production club goes beyond the high school's TV production studio and engages students in a world of media. From learning how to manage lighting, sound, and displays during school productions, to working with various components to wirelessly capture and livestream high school events, the TV Production Club will expose students to old and new technologies and will further develop students' collaborative, management, and technical skills.

YEARBOOK

Yearbook is a senior-only activity. The staff has the responsibility of preparing the class yearbook. Club meetings begin in April of junior year. Students with interests in photography, copy writing, art layout, staff management, business and publishing will find participation on the yearbook staff challenging and rewarding.

INTERSCHOLASTIC ATHLETICS

Plainedge Unified and Challenger Teams

UNIFIED SPORTS

Unified Sports programs have been implemented in school districts nationwide. A partnership has been created with NYSPHSAA and the New York Special Olympics. The Unified Champion Schools® approach incorporates the three components of Special Olympics Unified Sports, inclusive youth leadership and whole school engagement activities to ensure that all students can be involved and meaningfully contribute to their school culture.

Fundamentally, the principle of meaningful involvement ensures that every player is given an opportunity to contribute to the success of his or her team through their unique skills and qualities. Unified sports are recognized by both New York State Public High School Athletic Association and BOCES Section VIII. It has playoffs and championships. This is for high school aged students. Unified basketball is a spring sport that begins in April and can extend to early June.

CHALLENGER PROGRAMS

The Challenger athletics program offers students with special needs the opportunity to be part of a school sports team and to compete against neighboring school districts. The current structure includes high school students with special needs that has both boys and girls on the same team. Games are modified to fit the needs of both teams competing. Time can be extended or shortened, “helpers” can be on the court or field unlike Unified. It is recognized by BOCES Section VIII but there are no playoffs. This is for high school aged students. We currently offer both challenger basketball and soccer. Soccer is usually in October where basketball takes place in February and March.

INTERSCHOLASTIC ATHLETICS

The mission of the Plainedge Public Schools Interscholastic Athletic Program is to provide students with the opportunity to positively represent their school and community in a wide range of quality interscholastic programs.

The program is governed by the regulations established by the Commissioner of Education's basic code for extra-class athletic activities, the New York State Public High School Athletic Association, the Nassau County Public High School Athletic Association, as well as by the Board of Education and school policies.

INTERSCHOLASTIC ATHLETIC INFORMATION

FALL

Football	Varsity, JV, MS 7/8
Boys Soccer	Varsity, JV, MS 7/8
Girls Soccer	Varsity, JV MS 7/8
Girls Volleyball	Varsity, JV
Cross Country	Varsity, MS 7/8
Golf	Varsity
Girls Tennis	Varsity
Cheerleading	Varsity, JV
Boys Volleyball	Varsity
Challenger Soccer	

WINTER

Boys Basketball	Varsity, JV, MS 7/8
Girls Basketball	Varsity, JV, MS 7/8
Girls Bowling	Varsity
Boys Bowling	Varsity
Indoor Track	Varsity
Wrestling	Varsity, JV, MS 7/8
Cheerleading	Varsity, JV
Boys Volleyball	MS 7/8
Girls Volleyball	MS 7, MS 8
Challenger Basketball	

SPRING

Baseball	Varsity, JV, MS 7/8
Softball	Varsity, JV, MS 7/8
Boys Lacrosse	Varsity, JV, MS 7/8
Girls Lacrosse	Varsity, JV, MS 7/8
Boys Track & Field	Varsity, MS 7/8
Girls Track & Field	Varsity, MS 7/8
Boys Tennis	Varsity
Unified Basketball	Varsity

WORKSHEET FOR SCHEDULE REQUESTS

You can make your online course requests in the PowerSchool Portal

Please be aware of the following:

- Which courses require pre and/or co-requisites and which courses are limited to certain grade levels, i.e. juniors and seniors only
- On page 9 of the curriculum guide there is a chart for “Recommended Course of Study”
- You **must** select alternative electives (courses you would not mind taking if your first choice does not work with your schedule)
- Lunch will automatically be programmed into your schedule - for all students
- Seniors **must** take 7 periods of classes.
- If you are taking a non-lab science please be sure to select an “Alt Day Elective” to go opposite your physical education class
- **Your requests must be completed in PowerSchool prior to meeting with your counselor**

Entering Your Course Requests

1. Log on to your PowerSchool account.
2. Select the class registration icon on the left and follow the course group instructions.
3. You will be able to view teacher course recommendations as you make your requests.

Use this section as a worksheet. Please note that lunch will be automatically scheduled for you – be sure to add lunch as one of your periods of the day

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

Alternative Electives

1. _____
2. _____
3. _____

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Title IX and SEC. 504 OF THE REHABILITATION ACT

No person in the United States shall, on the grounds of race, color or national origin, be excluded from participation in, be denied the benefit of, or be subjected to discrimination under any program or activity receiving Federal financial assistance, or be so treated on the basis of sex under most educational program, or activities receiving federal assistance.

The Rehabilitation Act prohibits any discrimination based on a person's handicapping condition. For questions or issues concerning Title IX, contact Guy LeVaillant, Ed.D., Deputy Superintendent at 516-992-7450, the District Title IX Coordinator.

For questions or issues concerning The Rehabilitation Act, contact Verdel A. Jones, Director of Guidance at 516- 992-7485.