

COURSE OF STUDY GUIDE



G.W. HEWLETT
HIGH SCHOOL
2022-2023

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G. W. HEWLETT HIGH SCHOOL DIPLOMA REQUIREMENTS

COURSE REQUIREMENTS FOR GRADUATION

COURSE	ADVANCED REGENTS	REGENTS	LOCAL*
English	4	4	4
Social Studies	4	4	4
Mathematics	3	3	3
Science	3	3	3
World Languages	3***	1**	1**
Health	0.5	0.5	0.5
Art/Music/Theater	1	1	1
Physical Education	2	2	2
Computer Tech & Careers	.5*	.5*	.5*
Financial Literacy	0-1	0-1	0-1
Electives	1	3	3
MINIMUM TOTAL	22	22	22

***Students may substitute a designated five-credit sequence of courses in Art, Business, Music, Theater or Technology for the three-year sequence of courses in LOTE. Each student must have a minimum of one (1) credit in LOTE and must pass both level 1A and 1B and receive a passing grade on the regional Checkpoint A exam if exercising this option.

**Students with an IEP may be exempted from World Language requirement.

*Local Diploma Requirements.

Financial Literacy Requirement: This is a local graduation requirement that will provide students the skills and knowledge needed to be responsible for their personal finances and the understanding of the issues and strategies involved with maintaining successful fiscal health. This can be met at any time throughout their high school career. Below are some of the methods that meet this requirement.

METHOD/COURSE	DURATION	GRADE LEVEL
Career and Financial Management	Full year	9-12
College Money and Investments	Half year	10-12
College Virtual Enterprise	Full year	11,12
Financial Math	Full year	11,12
Introduction to Accounting	Full year	9-12
Self-directed Independent Study	*January/June on-line exam	10,11

Student has one (1) opportunity to pass on-line Independent Study exam.

ASSESSMENT REQUIREMENTS FOR GRADUATION:

Regents Diploma Required Regents Exams 5 Exams Required (Passing Score of 65 and Above)	Regents Diploma with Advanced Designation Required Regents Exams 9 Exams Required (Passing Score of 65 and Above)
English Language Arts Exam	English Language Arts Exam
One Mathematics Exam: Algebra or Geometry or Algebra 2	Three Mathematics Exams: Algebra and Geometry and Algebra 2
Global History Exam*	Global History Exam*
U.S. History Exam*	U.S. History Exam*
One Science Exam: Earth Science or Living Environment or Chemistry or Physics	Two Science Exams: 1. Living Environment 2. Earth Science or Chemistry or Physics
World Language Regional Assessment FLACS Checkpoint A Exam	World Language Regional Assessment FLACS Checkpoint B Exam

***Multiple Pathways to Graduation:** Students may substitute one Social Studies Regents Exam with an alternate assessment. To review alternate pathways, students are advised to see their school counselor.

Honors Distinction on Regents Diplomas:

Regents Diploma with Honors or *Regents Diploma with Advanced Designation with Honors* is awarded if overall average on required Regents exams is 90% or higher. In addition, students can receive Honors Distinction in Mathematics and/or Science by meeting the following criteria:

3 Mathematics Regents examinations with 85% or above on each exam

and/or

3 Science Regents examinations with 85% or above on each exam.

Pathways for Local Diploma for Students with Disabilities:

Non-Diploma Exiting Credentials:

Low Pass Safety Net	Compensatory Safety Net
· Meets assessment requirements for a local diploma by achieving a score between 55 and 64 on one or more required Regents exams. -May also appeal up to two Regents exam scores between 52-54	-Meets assessment requirements for a local diploma by compensating Regents exams scores between 45-54 (on any required Regents exam except for ELA and Math) with a score of 65 or higher on another required Regents exam.

Career Development and Occupational Studies Credential (CDOS)	Skills and Achievement Commencement Credential
• Students with disabilities qualify for this supplement to diploma OR can be used as exiting credential for those who are unable to meet above requirements. ⇒ Recognizes work readiness skill through a combination of CTE courses and/or work-based experiences.	• Students with severe disabilities assessed using NYSSA.

Empowering the Next Generation for Success in Life

Our Vision

Empowering the next generation for success in life.

Our Mission

Hewlett-Woodmere Public Schools provides an engaging curriculum in a caring, student-centered learning environment that is designed to maximize individual potential, cultivate character, and celebrate success.

Our Beliefs/Values

We believe that student learning occurs best in a *safe, supportive, and nurturing environment where diversity and inclusion are valued.*

We aim to create *equitable learning and work environments* that encourage compassion and respect for ourselves, one another, and our individual differences.

We value *innovation in teaching and learning* that supports and promotes student wellness: social, emotional, and intellectual well-being.

We honor our commitment to the Hewlett-Woodmere community to *create opportunities for students to fulfill their potential* and achieve personal success.

We believe that *meaningful collaboration* with parents, community members, staff, and students builds strong relationships and increases parental involvement.



Our Goals

1. Ensure high quality and innovative curriculum, instruction, and learning.
2. Provide a network of student support to meet the needs of the whole child.
3. Strengthen family, school, and community partnerships to support student growth.
4. Provide efficient and cost-effective operations, systems, and services.

PROGRAMS, PROCEDURES AND GRADING POLICIES:

NINTH and TENTH GRADE TEAMS

The Teams at Hewlett High School are Regents level academic programs that focuses on the whole child in order to facilitate learning and academic success for students. Our program's goal is to foster academic independence and initiative. Featuring four academic areas (English, math, science, and social studies), students are placed into appropriate courses that are paired with support labs. The Teams have additional support classes, so that students receive instruction where needed. During this time, students may meet with their four content area teachers for tutorial assistance. We address learning styles, differentiate instruction and assist students in developing organizational skills. We foster a team approach in which the student, teachers and parents communicate and develop mutual goals.

ACADEMIC INTERVENTION SERVICES (AIS)

Academic Intervention Services are designed to help students achieve the learning standards in English Language Arts, Mathematics, Social Studies and Science. Students entering ninth grade with teacher recommendation and/or achievement levels on Grade 8 New York State assessments, which indicate the need for academic intervention, will be assigned specific programs of assistance. As students are assessed using district approved performance indicators, they will be evaluated for AIS. Students in all grades who failed NYS Regents Exams required for graduation may be assigned AIS services. Services may include extended-time classes (labs), support period(s), reading instruction, writing lab and/or counselor monitoring. Parents will be notified of the mandated services, the progress of the student's achievement, and the recommendation to continue or to terminate AIS.

OPERATION SUCCESS

Operation Success is an extra help program designed to provide additional academic support in a specific subject area. Operation Success sessions are one hour in duration and are held either before (7 am) or after (3 pm) school. The sessions are open to all interested students currently enrolled in the course. However, students who are struggling (average of 70 or below for the course) are most at risk and will have letters sent home mandating that they attend the Operation Success program.

TWILIGHT PROGRAM

The High School Twilight Program is a partnership between Nassau BOCES and Hewlett Woodmere Schools to provide an alternative setting in the late afternoon for district high school students. The students who attend this Regents-based program receive strong educational support, as classes are small and largely focused on academic intervention. Twilight is a multifaceted program as it serves many functions. Twilight is used for credit recovery, an alternative learning environment, and for supportive learning for our most at-risk students. For further information, please contact your school counselor or the program's administrator.

NUMBER OF SUBJECTS TO BE CARRIED

All students are required to carry a **minimum** of five academic credits plus physical education. Reading, Learning Skills and lab periods are not counted in this total. The maximum number of credits a student may carry will be determined by individual student needs and space availability.

Fifth-year students will be programmed only for courses needed to fulfill graduation requirements.

COURSE LEVELS

Classes are taught at various levels at Hewlett High School. The designations, as described in this book, are recorded on the report card and transcript as:

AP	=	Advanced Placement
College	=	College Level is indicated in course title
H	=	Honors
R	=	Regents/College Prep

There are specific entry requirements for each level of instruction. Please note the prerequisites and enrollment guidelines listed for each course.

SELF-SELECTION

Teacher recommendations will be used as a guideline during the scheduling process. Students will not need to complete an override form to select higher-level courses but are encouraged to discuss course placement with current-year teacher and school counselor. A letter will be sent home notifying parents of the override.

ADD/DROP OF CLASSES

It is important to note that withdrawing from courses that were selected by student, confirmed by parent, and recommended and approved by faculty and/or school counselor is discouraged. Unless there has been an error in scheduling, students will not be permitted to withdraw from any courses until five (5) full days of attendance has passed.

- ♦ *Add New Course*
 - Semester course: No entry after 15 school days from start of course.
 - Full-year course: No entry after 20 school days from start of course.
 - After deadline, a review of extenuating circumstances will be held with counselor/teacher/chairperson to determine placement.
- ♦ *Drop Course*
 - Semester course: Five days after progress report is posted to portal. After that date, WP or WF will be documented on student transcript.
 - Full-year course: Five days after first quarter grade is posted to portal. After that date, WP or WF will be documented on student transcript.
- ♦ *Senior Students* who have a change in scheduling for any reason will have an updated official transcript sent to all applied colleges.

LEVEL CHANGES

There are specific entry requirements for each level of instruction. Please note the prerequisites and enrollment guidelines listed for each course.

- ♦ *Level-change Up within parallel curriculum:*
 - Semester course: No new entry after first 15 school days of start of class.
 - Full-year course: No new entry after first 20 school days of start of class.
 - After deadline, a review of extenuating circumstances will be held with counselor/teacher/chairperson to determine placement. If a level change is granted after deadline, grades will follow with applicable weighting.
- ♦ *Level-change Down within parallel curriculum:*
 - Semester course: Within 5 school days of first quarter progress report posting to parent portal, grade will not follow to new course. After that date, grade will follow student to new course with applicable weighting.
 - Full-year course: Within 5 school days of the first quarter grade posted to parent portal, grade will not follow to new course. After that date, grade will follow student to new course with applicable weighting.
- ♦ *Senior Students* who have a change in scheduling for any reason will have an updated official transcript sent to all applied colleges.

Please note: Should a student change course levels prior to deadline, a 'NG' (no grade) will appear on report card. First quarter grade will be calculated by the average of the remaining three quarter grades. *Senior students:* The 'NG' will be replaced by the second quarter grade.

PASS/FAIL OPTION

A Pass/Fail option is offered to juniors and seniors who wish to take a course beyond the required five credits plus physical education, but who wish not to receive a numerical grade for that course. Courses not eligible from this option include; LC classes, reading, speech, AP courses, courses taken for college credit, honors courses, courses culminating in a Regents exam, and any course required for graduation. A student who elects to enroll in a sixth course for Pass/Fail should discuss option with their school counselor. Student must fill out and submit the "Pass/Fail Request Form" approved by the Department Chairperson and the PPS Chairperson by deadlines stated above for *Add New Course/Level-change up with parallel curriculum*. Forms are available in the PPS office.

GRADING

The high school weighted average is computed at the end of the junior year. All courses taken for credit are used to determine the three-year average. Honors and Advanced Placement courses are designated as such on a student's high school transcript. Courses taken on a pass/fail basis will not receive a numerical grade.

Grade System:

90 –100%	Superior	A	4.0
80-89%	Above Average	B	3.0
70-79%	Average	C	2.0
65-69%	Passing	D	1.0
0-64%	Failing	F	0.0

Grade Weighting:

AP/College Courses	1.10
Honors Courses and Pre AP Courses	1.05

SUMMER SCHOOL

Students who fail a full-year course but maintain attendance qualify for summer school. Students who have withdrawn from a course may not repeat the course in summer school. Only in extenuating circumstances will the Administration make an exception to the below regulation:

- Both the Hewlett High School grade and the summer school grade will be entered on the student's permanent record and high school transcript.
- Both the Hewlett High School grade and the summer school grade will be used to compute the student's high school G.P.A.

ADVANCED PLACEMENT

Advanced Placement (AP) courses are college level courses designed to prepare students to take the AP exams given by College Board. Students are rated on a scale of 1 through 5, five being the highest grade. Students who scored a 3, 4 or 5 on AP exam may receive advanced standing or credit by select colleges. However, it is at the discretion of the college to award credit or advanced standing.

[Art History](#)

[Biology](#)

[Calculus AB](#)

[Calculus BC](#)

[Capstone Research](#)

[Capstone Seminar](#)

[Chemistry](#)

[Chinese Language and Culture](#)

[Comparative Government](#)

[Computer Science A*](#)

[Computer Science Principles*](#)

[English Language & Composition](#)

[English Literature](#)

[European History](#)

[Environmental Science*](#)

[French Language and Culture](#)

[Macroeconomics](#)

[Microeconomics](#)

[Music Theory*](#)

[Physics 1](#)

[Physics 2](#)

[Physics C Elec/Magnetism](#)

[Spanish Language and Culture](#)

[Statistics](#)

[Studio Art: Drawing](#)

[Studio Art: 2D Design](#)

[United States History](#)

[U.S. Government and Politics](#)

[World History](#)

*Offered on alternate years

- All students taking an Advanced Placement course **must** take the AP Exam in May.
- The 'AP' designation will be removed from official high school transcript if student does not fulfill the exam requirement.
- The College Board sets the fee for these exams at a rate of \$96 per exam/\$144 for Capstone.
- A 'drop fee' of \$40 is enforced by College Board if an AP course is dropped after November 15th
- Advanced Placement grades carry a weight of 1.10 in a student's grade point average.
- Should a student fail an AP course, no additional weighting will be applied.

COLLEGE CREDITS

Students may obtain college credit while in high school in several ways. It is the student's responsibility to consult the college of choice to be aware of its policy and procedures for granting credit and/or advanced standing. Each college and/or university has unique admissions and placement requirements. *Hewlett HS cannot guarantee that any particular college will grant college credit or advanced standing.*

Students may elect to take the courses listed below for college credit in addition to high school credit. Teachers of each course register students who wish to obtain college credit during the first week of the semester.

College-level courses carry a weight of 1.10 in a student's grade point average. All college credit courses require a fee for enrollment from the affiliated institutions. Students taking a college credit course are expected to take the course for college credit. If a student fails a college course, no additional weighting will be applied.

See page 11 for full list of college-level courses taught at Hewlett HS.

INFINITE CAMPUS PARENT PORTAL: Progress Reports, Grade Book and Report Cards

Hewlett-Woodmere Public Schools is committed to providing parents with timely information about their children's work and achievement. The Parent Portal is a way to provide you with access to comprehensive data. The District has provided secure and individualized access to this Parent Portal through our Infinite Campus Student Management System. You can readily establish your account within the Parent Portal. Once activated, you will have a unique user name and secure password, enabling you to access your children's achievement, attendance, and assessment information as it is posted. Realizing that some parents may not have access to a computer at home or work, the public library provides computer access at no charge. You can also contact your child's principal to make alternate arrangements to access your account. To set up your account please call 516-792-4852.

EARLY GRADUATION

If you qualify and choose to graduate in less than the traditional four-year high school experience, you should discuss this decision with your school counselor. If you elect this option, a "Request for Early Graduation" form must be filed with the Principal and your counselor. These forms may be obtained from your counselor and are due in the PPS office **no later than the end of your sophomore year.**

Dual Degree Courses Offered at Hewlett High School

Hewlett Course Name	College	College Course Name	College Course #	College Credit Value
BUSINESS				
College Business Law	LIU/Post	Legal Environment of Business	LAW 13	3
College Marketing	LIU/Post	Marketing Principles and Practices	MKT 11	3
College Accounting	Syracuse	Intro to Financial Accounting	ACC 151	4
College Virtual Enterprise	LIU/Post	Intro to Business Foundation of Entrepreneurship	BUSN 10 ENT 101	3 3
College Artificial Intelligence	LIU/Post	Artificial Intelligence		3
College Game Design	LIU/Post	Introduction to Game Design		3
College Money & Investments	LIU/Post	Personal Finance	FIN 23	3
College International Business Economics	SUNY Farmingdale	International Business	BUS 280	3
ENGLISH				
College Reading	Syracuse	Gender and Literary Tests	ETS 192	3
College Writing	Syracuse	Practices of Academic Writing	WRT 105	3
College Modern Drama	Molloy	Modern and Contemporary Drama	ENG 244	3
College Journalism	Molloy	Introduction to Newswriting	ENG 233	3
College Theatre 3 & 4	Adelphi	Introduction to Scene Study	0192-150	3
College Theatre 5 & 6	Adelphi	Rudiments of Direction	0192-340	3
SCIENCE				
College Forensics	Syracuse	Forensics	CHE 113	4
College Anatomy and Physiology	LIU/POST	Human Anatomy and Physiology1 Human Anatomy and Physiology 2	BIO 7 BIO 8	4 4
College Exploration of Space	SUNY Albany	Exploration of Space	PHY 103	3
SOCIAL STUDIES				
College Economics	Syracuse	Economics Ideas and Issues	ENC 203	3
College Public Affairs	Syracuse	Intro to Analysis of Public Policy	PAF 101	3
College Psychology	Syracuse	Psychology: Foundations of Human Behavior	PSY 205	3
College Sociology	Syracuse	Intro to Sociology	SOC101	3
WORLD LANGUAGE				
College Spanish	Syracuse	Spanish III (Intermediate Spanish)	SPA 201	4

NCAA Approved Hewlett High School Courses

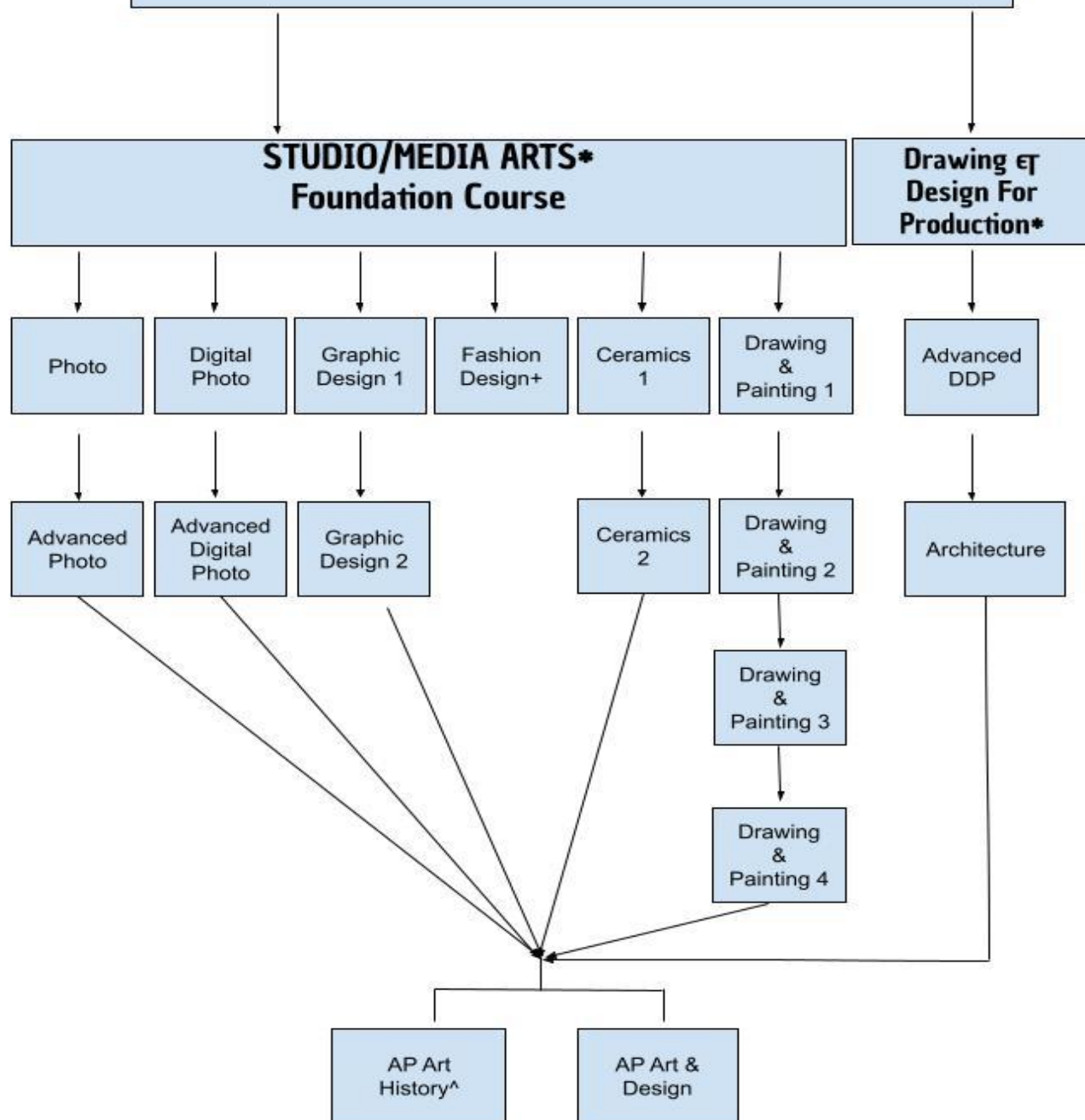
English	Math	Social Studies	Science	Language
English 9R	Algebra 1R	Global History 1R	Earth Science R	American Sign Language 1
English 9H	Algebra 1H	World History 9H	Earth Science H	American Sign Language 2
English 10R	Geometry R	Global History 2R	Living Environment R	French 1R
English 10H	Geometry H	Global History 2H	Living Environment H	French 2R
AP Seminar				
English 10	Algebra 2R	US History 11R	Chemistry R	French 3R
English 11R	Algebra 2H	US History 11H	Chemistry H	French 4H
English 11H	Topics Pre-Calculus	Economics	Physics R	French 5H
AP English 11 Language and Composition	Pre-Calculus	College Economics	College Anatomy & Physiology	AP French
English 12R	Pre-Calculus H	College Inter. Business & Economics	College Exploration of Space	Italian 1R
College Writing	Calculus H	Government & Economics	College Forensic Science	Italian 2R
College Critical Reading	AP Calculus AB	Participation in Government	Astronomy	Italian 3R
AP English 12 Literature	AP Calculus BC	College Public Affairs	Biotechnology H	Italian 4H
College Journalism	AP Statistics	Child Developmental Psychology	Biotechnology Research	Mandarin 1
Contemporary Literature		Criminology and Criminal Law	Environmental Science	Mandarin 2
Creative Writing		Psychology	Hewlett Science Research	Mandarin 3
Essentials in Writing		College Psychology	Intro Science Research	Mandarin 4H
Journalism		College Sociology	Marine Biology	AP Chinese
Science Fiction Literature		Social Science Research	AP Environmental Science	Spanish 1R
AP Capstone Research		College Business Law*	AP Biology	Spanish 2R
		AP World History	AP Chemistry	Spanish 3R
		AP European History	AP Physics 1	Spanish 4H
		AP United States History	AP Physics 2	Spanish Pre-AP
		AP Micro Economics	AP Physics C	College Spanish
		AP Macro Economics		AP Spanish
		AP Comparative Government		
		AP US Government & Politics		



ART DEPARTMENT
Dr. Andrew Fund, District Director

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G.W. Hewlett High School Art Department Course Offerings Grades 9-12



*Meets NYS Art/Music
Graduation
Requirement

+No Prerequisite
Required

^Open to 10,11,&
12th grade students

FOUNDATION COURSES IN ART

A minimum of one year of art, music or theater is a New York State high school graduation requirement. To comply with this mandate, a student selecting art must take a full year of a foundation course. Hewlett H.S. offers two different full-year foundation courses: Studio /Media Arts and Drawing and Design for Production. (Students who have successfully completed Accelerated Art at Woodmere Middle School have already successfully completed this requirement and can begin to take elective courses in the art department.)

STUDIO MEDIA ART

6216

1 YEAR

1 CREDIT

This is a full-year course that satisfies the graduation requirement for the arts, and can also serve as a prerequisite for some of the art electives offered at HHS. During this full year of artistic exploration, students will have the opportunity to combine traditional and contemporary mediums to create unique artistic expressions. They will enhance their creativity, problem-solving and visual thinking capacities; have an understanding of the tools of modern visual communication; and be prepared to pursue a fine art, digital art, or combination sequence that will enable them to succeed in post-secondary art study.

The **Studio-focused** component provides students with the basic concepts underlying all art forms. Students will experiment with different mediums (charcoal, watercolor, pastels, colored pencils, etc.) styles and techniques. Emphasis is on the **elements and principles of art**, and an awareness of art history.

The **Media-focused** component is the study of modern communication and art production using digital mediums including 3-dimensional printing. Students will have the opportunity to study and use various technological applications (Photoshop, Flash, Tinkercad) to create their own unique messages. The course will cover **basic to advanced techniques, with an emphasis on career exploration** in this ever-growing field.

An in-class final project is assigned at the end of each semester of Studio/Media Art.

DRAWING and DESIGN FOR PRODUCTION

6221

1 YEAR

1 CREDIT

This is a full year course that satisfies the graduation requirement and serves as a prerequisite for the DDP elective sequence offered at HHS. Drawing and Design for Production is the foundation course for any student interested in product or interior design, engineering, architecture, or robotics. Students are introduced to the world of mechanical drawing, and the universal graphic language of drafting. Technical drawings are explored from basic to increasing complexity. Students gain a greater understanding of measurements and mathematical applications in art. Computer Assisted Design technology is introduced. An in-class, open-drawer midterm and final assessments will be assigned.

ELECTIVE COURSE OFFERINGS IN ART

PHOTOGRAPHY

6251

1/2 YEAR

.5 CREDIT

This is a workshop course in the theory and practice of basic photography skills for the beginning student covering 35mm cameras, equipment, negative development, enlarging, hand-coloring, spotting, and mounting prints. Students will learn about the history of photography and will be taught basic elements of photographic composition. Emphasis will be on creativity and self-expression through personalized assignments and critiques.

An in-class final project will be assigned. This course can be used to fulfill a half-credit in an art sequence.

ADVANCED PHOTOGRAPHY

6253

1/2 YEAR

.5 CREDIT

This is an advanced workshop course in the theory and practice of darkroom photography for the student who wants to further enhance their skills in Basic Photography. Sophisticated and challenging projects will be assigned, along with advanced darkroom techniques. Furthermore history of photography will be explored with an emphasis on creativity and self-expression through personalized assignments and critiques. An in-class final project will be assigned. This course can be used to fulfill a half-credit in an art sequence.

Prerequisite: Successful completion of Photography

DIGITAL PHOTOGRAPHY

6252

1/2 YEAR

.5 CREDIT

This course will help students become well rounded in the fundamentals of digital photography with an emphasis on Photoshop techniques. Four areas of instruction will be emphasized: how a camera works, rules of composition, lighting techniques, and how to edit a photo. Students will receive basic instruction, demonstration, and view professional and past student examples. A basic introduction into the use of the digital camera to create videos will be explored. Emphasis will be on creativity through personalized assignments and critiques. An in-class final project will be given. This course can be used to fulfill a half-credit in an art sequence.

ADVANCED DIGITAL PHOTOGRAPHY

6254

1/2 YEAR

.5 CREDIT

This course is a continuation of Digital Photography for those students who want to further enhance and explore their abilities in creating powerful images. Assignments will become more sophisticated and challenging. The students will explore further development of using digital camera to create videos. Students will be encouraged to develop a body of work/portfolio for presentation and in preparation for AP Studio-2D. An in-class final project will be given. This course can be used to fulfill a half-credit in an art sequence.

Prerequisite: Successful completion of Digital Photography and the Video

CERAMICS/SCULPTURE 1 & 2

6231/6232

1/2 YEAR

.5 CREDIT EACH

This course will examine the many different methods of creating work in three dimensions, and focus on form and space. In addition to a variety of materials that incorporate additive and subtractive processes, students will have the opportunity to learn various ceramic techniques. The class can be taken as a full or half-year course in any sequence. Different topics will be introduced each semester. An in-class final project will be assigned each semester. Each section of this class can be used to fulfill a half credit in an art sequence.

GRAPHIC DESIGN 1

6858

1/2 YEAR
.5 CREDIT

This course is designed to familiarize students with industry standard graphic design software including Adobe Illustrator, Adobe Photoshop, Adobe InDesign, Adobe Light room, and Procreate with the use of the iPad Pros. Students will have the opportunity to create digital works of art and design ranging from digital illustration to basic logos, advertisements, presentations and posters. Students will develop design skills by creating real-world inspired projects, participating in multiple in-class practice assignments, as well as guided-learning lessons and engaging in thoughtful and purposeful critiques. Students will also work to make meaningful artistic choices and be able to verbally explain their decisions by “pitching” their work. An in-class final will be assigned.

GRAPHIC DESIGN 2

6859

1/2 YEAR
.5 CREDIT

A continuation of Graphic Design 1, this course focuses on a deeper understanding of the elements and principles of digital graphics and its impact. iPad Pros will be used in great depth with the following software; Adobe Illustrator, Adobe Photoshop, Adobe InDesign, Adobe Light room, and Procreate. Students will have the opportunity to create digital works of art and design ranging from digital illustration to multidimensional logos, advertisements, presentations, and posters. Students will also work to make meaningful artistic choices and be able to verbally explain their decisions by “pitching” their work. An in-class final will be assigned.

Prerequisite: Successful completion of Graphic Design 1

ADVANCED DRAWING and DESIGN FOR PRODUCTION

6223

1 YEAR
1 CREDIT

This full year course is the second year in the DDP sequence. This course concentrates on honing all skills learned the previous year while introducing new skills and their applications. Sophisticated technical drawings are integrated throughout the year and an emphasis is placed on 3-D construction. That’s right, we now move from the 2-D drawing board to three-dimensional space! If you can draw it, we can build it. Computer Assisted Design technology continues to be looked at with an introduction to 3-D printing. An in-class, open-drawer midterm and final assessment will be assigned.

Prerequisite: Successful completion of Drawing and Design for Production

ARCHITECTURAL DRAWING H

6431

1 YEAR
1 CREDIT

This course is the culmination of the Drawing and Design for Production sequence. Architectural Drawing employs the same general principles as technical drawing. Students engage in drawing practices specific to the discipline, as well as model making. Historical and contemporary architecture are main points of focus throughout the year. Computer Assisted Design technology is also included in various projects. An in-class final project is assigned.

Prerequisite: Successful completion of Advancing Drawing and Design for Production

DRAWING & PAINTING 1

6241

1/2 YEAR
.5 CREDIT

Basic principles of composition, color and rendering are emphasized in this course. Projects are designed to allow students to use a variety of mediums to solve artistic problems. It is highly recommended that students who plan to apply to art school for their post-secondary study in any visual art discipline take this course. It is required for students intending to take Advanced Placement Studio Art Drawing Portfolio. The study of various artists will be the basis for investigation, analysis and comparison. Portfolio development is an integral component of this class. An in-class final project will be assigned. This course can be used to fulfill a half credit in an art sequence.

Prerequisite: Successful completion of Studio Media Art, accelerated 8th grade Studio Art or teacher approval

DRAWING & PAINTING 2

6242

1/2 YEAR

.5 CREDIT

A continuation of Drawing and Painting 1, this course focuses on a deeper understanding of the elements and principles of art and how they can be seamlessly integrated into unique artistic expression. Perspective, drawing from observation, and the exploration of more sophisticated mediums are emphasized. Increased attention to portfolio development and the building of a body of work is further emphasized. An in-class final project will be assigned. This course can be used to fulfill a half credit in an art sequence.

Prerequisite: Successful completion of Studio Media Art, accelerated 8th grade Studio Art or teacher approval

DRAWING & PAINTING 3H

6245

1/2 CREDIT

.5 CREDIT

Drawing and Painting 3H will advance the individual student's skills with an emphasis on developing conceptual threads, composition, and execution of ideas. Students will demonstrate technique, ideation, and problem-solving through a multitude of media which may include a variety of paints, drawing and printmaking materials, and digital/computer images. Although the focus of this course will be to prepare students to participate in the Advanced Placement Studio Art portfolio, the class is not limited to only students interested in achieving this goal.

Prerequisite: Successful completion of Drawing and Painting 1 & 2 or teacher approval

DRAWING & PAINTING 4H

6246

1/2 CREDIT

.5 CREDIT

This course is the fourth sequence of Drawing and Painting 1, 2, and 3. Drawing and Painting 4H will advance the individual student's skills with an emphasis on developing conceptual threads, composition, and execution of ideas. This class is designed for the student who is creating a portfolio for either Advanced Placement Art, a college admissions portfolio, and/or as a supplement for their college resume. Students will produce a varied portfolio that demonstrates technical skills, as well as creativity and conceptual skills. Learning to prepare and present their artwork by means of photographing and editing for a digital portfolio will be part of the class. Class is geared toward specific college portfolio requirements including sketchbook development exercises, short writing exercises about the art making process that will prepare students for the possible writing component of the college application.

Prerequisite: Successful completion of Drawing and Painting 1, 2, and 3 or teacher approval

FASHION DESIGN & MERCHANDISING

7855

1 YEAR

1 CREDIT

Fashion Design & Merchandising is a full year course designed for students interested in fashion, fashion design and apparel, and the marketing and event planning aspects of the fashion industry. The course will integrate the aspects of design, product development, and merchandising of apparel products. The purpose of the course is to advance students' knowledge of fashion design through the elements and principles of design as it pertains to fashion as well as terminology for apparel and recognition of design styles, textiles, clothing and accessory design. Students will explore career options in fashion design, marketing, management and buying. Students will be required to demonstrate creative use of inspiration and design experimentation through various projects. Students will acquire knowledge and skill in areas, such as the business of fashion, fashion economics, fashion promotion events, merchandising and buying. Students will work collaboratively on projects integrating skills in both the design and merchandising aspects of fashion.

Enrollment requirement: Freshmen, Sophomore, Junior, or Senior status

AP ART HISTORY

6442A

1 YEAR

1 CREDIT

This course is designed to give students the opportunity to explore a comprehensive survey of man's creative endeavors in the visual arts through the ages. PowerPoint presentations, videos and museum trips will augment and build students' appreciation and knowledge. It is highly recommended that students who intend to study art at the post-secondary level enroll in this course, and may qualify students for college credit depending on their AP score and policy of the college. The course is also recommended for students of history who are interested in exploring a different perspective. As per district policy, students who enroll in the course will be required to take the AP Examination. A summer assignment will be assigned. A midterm examination will be given in class and a final project will be assigned after the successful completion of the course. This course can be used to fulfill a full-credit in an art sequence.

Enrollment requirement: Sophomore, Junior, or Senior status

AP ART & DESIGN

6441A

1 YEAR

1 CREDIT

This course encompasses three separate AP studio classes; AP Drawing, 2-D Art and Design, and 3-D Art and design. (3-D Sculpture can be taken on special request from the student with approval from faculty). The AP drawing portfolio focuses more on traditional drawing concepts such as tonal values, mark making perspective, and surface manipulation. The 2-D (design) Portfolio focuses mainly on composition and can include any two-dimensional work, graphic design, computer graphics, dark room photography and/or digital photography. In both sections, the focus is on the development of a comprehensive portfolio that is submitted for Advanced Placement scoring. In accordance with District policy, students who enroll in the course will be required to submit the AP Portfolio. A summer assignment will be given to help students prepare for this class. Midterm and final projects will be assigned.

Prerequisite: Successful completion of a foundational art course and two/four semesters of art electives

INDEPENDENT STUDY IN ART

6272

.5 CREDIT/1CREDIT

The Independent Study is designed for the advanced art student who has exhausted all courses in their sequence of study, but would like to continue their development in the Arts. The student must be co-seated in classroom/course in which they can be mentored by an appropriate Art teacher. It is expected that the student have regular attendance in the assigned class. The Independent Study must be approved by the art teacher.

APPLICANTS FOR AP ART COURSES SHOULD NOTE THE FOLLOWING:

- Students who take AP courses **are required** to take the Advanced Placement Exam given in May;
- The 'AP' designation will be removed from official high school transcript if student does not fulfill the exam requirement;
- Hewlett High School cannot guarantee that students will receive advanced placement or credit at the college of their choice, regardless of how well they do on the AP exam or in the course since each college has its own requirements and procedures;
- Students should consult with college websites or check directly with the college for information concerning the policies and practices of each college.

BUSINESS EDUCATION DEPARTMENT
Mr. Robert Machado, Chairperson

rmachado@hewlett-woodmere.net
516-792-4028 (HS)



“The Competitive Edge”

Business Education Department

Gain a Competitive Edge

FINANCE

Career & Financial Management
Financial Math *
College Money & Investments

* May serve as a Math credit
All courses above satisfy HS financial literacy requirement for graduation

ECONOMICS, LAW & ACCOUNTING

Introduction to Accounting *
College Accounting *
College Business Law
College International Business Economics **

+ Satisfies financial literacy requirement
* May serve as a Math credit
** Satisfies Economics Requirement

MARKETING

Advertising
Fashion Design & Merchandising
Sports & Entertainment Marketing
College Marketing

COMPUTER SCIENCE & TECHNOLOGY

Computer Technology & Careers ++
Computer Programming I & II ***
College Game Design
College Artificial Intelligence
AP Computer Science A
AP Computer Science Principles++
CISCO IT Essentials H***

*** May serve as Math or Science Credit
++Satisfies Computer Technology Requirement

BUSINESS & MARKETING HONOR SOCIETY

Sophomore & Junior Eligibility:

2 earned Business Credits

Senior Eligibility:

3 earned Business Credits

Additional requirements for all students:

85+ overall unweighted G.P.A. and 90+ unweighted G.P.A. in all business courses;
plus strong character and community service documentation

(1/2 year courses = 1/2 business credit; full year course = 1 business credit)

ENTREPRENEURSHIP

College Virtual Enterprise**
** Satisfies Economics requirement

**NEW YORK STATE BUSINESS AND MARKETING EDUCATION
DEPARTMENT OF THE YEAR– 2005 & 2011**

The Business Education Department at Hewlett High School offers a comprehensive program of study for college and career readiness. In keeping with the HWPS district goals, we provide students with the necessary skills for a successful future. In addition, our courses may be used for credit in math, science and social studies, as well as, satisfy the financial literacy and computer literacy graduation requirement.

NEW YORK STATE EDUCATION DEPARTMENT STANDARDS

Career Development and Occupational Studies (CDOS):

1. Career Development
2. Integrated Learning
3. Universal Foundation Skills
4. Career Majors

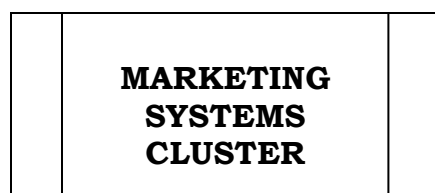
New York State CTE Endorsement

Career and Technical Education (CTE) options for graduation

- Minimum of 3.5 credits required and an Internship
- ***(CTC) Computer Technology & Careers (no test-out option)***
 - Small Business Management: Virtual Enterprise
 - Full year Accounting, Marketing, Technology or Law Course
 - .5 credit of course that fulfills financial literacy requirement

New York State Advanced Designation Diploma

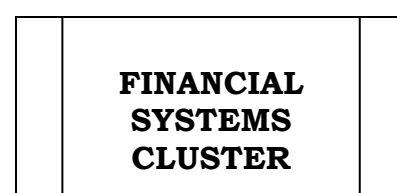
- In lieu of 3 years of World Language, students can qualify for advanced diploma by completing a 5 credit sequence in Business
- Sequence must include CTC and Career and Financial Management



College Marketing
Advertising
Fashion Design and Merchandising
Sports & Entertainment Marketing



Computer
Programming I & II
College Game Design
College Artificial Intelligence
AP Computer Science A
AP Computer Science
Principles
CISCO IT Essentials H



Introduction to Accounting
College Accounting
College Business Law
College International Business
Economics
College Money & Investments
Financial Math

College Virtual Enterprise
(2 credits)

BUSINESS EDUCATION COURSE SUMMARY

Introduction Course/Financial Literacy	9	10	11	12	SEMESTER
Career & Financial Management^^	X	X	X	X	Full Year
Financial Math (Math Credit)^^			X	X	Full Year
ACCOUNTING, FINANCE AND LAW					
Introduction to Accounting (Math credit) ^^	X	X	X	X	Full Year
College Accounting (Math credit) (SUPA/Syracuse)			X	X	Full Year
College Business Law (LIU Post)		X	X	X	Full Year
College International Business Economics (Economics credit) (SUNY Farmingdale)			X	X	Fall & Spring
College Money & Investments (LIU Post)^^		X	X	X	Fall & Spring
MARKETING					
Advertising	X	X	X	X	Fall & Spring
Fashion Design & Merchandising (.5 Business/ .5 Art credits)		X	X	X	Full Year
College Marketing (LIU Post)			X	X	Full Year
Sports & Entertainment Marketing		X	X	X	Fall & Spring
ENTREPRENEURSHIP					
College Virtual Enterprise (Economics credit) (LIU Post)			X	X	Full Year
COMPUTER SCIENCE AND TECHNOLOGY					
Computer Technology & Careers ^		X	X	X	Fall & Spring
College Artificial Intelligence (LIU Post)**		X	X	X	Fall
College Game Design (LIU Post)**		X	X	X	Spring
Computer Programming I & II +	X	X	X	X	Fall & Spring
CISCO IT Essentials (H)*+		X	X	X	Full Year
AP Computer Science A*		X	X	X	Full Year
AP Computer Science Principles ^		X	X	X	Full Year

*Offered alternate years, next offered in 2023—2024 ** Offered alternate years, next offered in 2022—2023

^Satisfies Computer Technology requirement ^^Satisfies Financial Literacy requirement

+ May serve as a Math and/ or Science credit

CAREER AND FINANCIAL MANAGEMENT

1 YEAR

7421 (*Satisfies Financial Literacy requirement*)

1 CREDIT

Career and Financial Management is designed to provide students with the opportunity to learn what it takes to become financially successful by teaching financial literacy and workplace skills. By exploring our economy, a variety of careers, learning the skills and competencies needed for success in the workplace and personal life, students will be ready to take on the challenges of life after high school. This course is required for all those who plan to pursue a five year sequence in business. It is highly recommended for all students who plan to major in business in college.

Enrollment requirement: Freshmen, Sophomore, Junior or Senior Status

FINANCIAL MATH

1 YEAR

7431 (*Satisfies Financial Literacy requirement/ May serve as a Math credit*)

1 CREDIT

This full year course is designed to prepare students for both college level business and math programs and to understand the complex financial world they will encounter during their lives. Topics include credit, loans, interest, financial instruments and investing, financial statement analysis and statistics. Students work on multi-step word problems, apply algebraic concepts and math skills to real life problems. Tools used will include Microsoft Excel and the internet. Students will create Excel spreadsheets to develop formulas for financial records, solve financial problems, and prepare graphs and tables to present financial information.

Enrollment requirement: Junior or Senior Status

ACCOUNTING, FINANCE AND LAW

INTRODUCTION TO ACCOUNTING

1 YEAR

7414 (*Satisfies Financial Literacy requirement/ May serve as a Math credit*)

1 CREDIT

Introduction to Accounting is a full year course designed to give students a basic understanding of accounting. Students will learn how to account for the transactions of a small business. Topics include: analyzing transactions, financial statement preparation with units covering payroll, taxes and basic bookkeeping. Students will complete projects where they will create their own business as well as use accounting software. This course is strongly recommended for students interested in studying business who want exposure to accounting concepts prior to college level accounting.

Enrollment requirement: Freshmen, Sophomore, Junior or Senior status

COLLEGE ACCOUNTING

1 YEAR/1 CREDIT

7451C (*May serve as a Math credit*)

4 COLLEGE CREDITS

This course, offered in conjunction with Syracuse University's Project Advance, will introduce students to the fundamentals of accounting and its relevant applications in business and everyday life. Accounting is a required course for all business majors. The understanding of basic accounting concepts and its role in the business world are essential for success for all professions and occupations, regardless of a future career path in the Accounting field. This course focuses on financial accounting concepts that aid entrepreneurs, managers, investors and creditors in planning, operating and analyzing a business.

Enrollment requirement: Junior or Senior status

COLLEGE BUSINESS LAW

1 YEAR/1 CREDIT

7463C

3 COLLEGE CREDITS

This college-level course, offered in conjunction with Long Island University, is equivalent to the first semester of Business Law at most colleges and universities. Business Law deals with the fundamental principles of law which govern our daily lives as well as the impact of law on business decisions. This course examines the origins of law, foundations and workings of our court system, business ethics, personal and business related torts, contracts, agencies and forms of business entities. In addition, topics relevant to the student's everyday lives such as insurance, the writing of

a will, the purchase of real estate and consumer protection laws are examined. Students are eligible to earn up to three college credits (sponsored through Long Island University) with successful course completion.

Enrollment requirement: Sophomore, Junior or Senior status

COLLEGE MONEY AND INVESTMENTS

7263C

1/2 YEAR/.5 CREDIT

3 COLLEGE CREDITS

(Satisfies Financial Literacy requirement)

The purpose of this college-level course, offered in conjunction with LIU/POST, is to acquaint students with investments that can be used to build financial wealth and security. This course will focus on investing in stocks, stock options, bonds, mutual funds, real estate, credit cards, and insurance. Projects are used to track a portfolio and to research potential investments. Special emphasis will be placed on "The World of Wall Street." Students will learn how to evaluate their investments, how to follow their progress, and which investments might be best at each stage of their lives. In addition, the course will discuss how to pick the best bank, how to choose the best credit card and how to develop a savings plan even at an early age. Since money management is a lifetime pursuit, the course will provide money-making and money-saving advice for people of all ages. Several stock competitions take place in class, including the Stock Market Game. A trip to a major Stock Exchange, Federal Reserve and Wall Street is usually planned. This course is recommended for anyone who enjoys money and wants to find out how to get more of it.

Enrollment requirement: Sophomore, Junior or Senior status

COLLEGE INTERNATIONAL BUSINESS ECONOMICS

7241C *(May serve as an Economics credit)*

1/2 YEAR/.5 CREDIT

3 COLLEGE CREDITS

This college-level course, offered in conjunction with SUNY Farmingdale, is a project based course comparing different economic systems and their interaction in the global market place. Topics will include the supply and demand theory, import/export markets, foreign exchange, and current international economic issues. Additional emphasis is placed on understanding the impact of an increasing global market and its effect on individual countries. This course also includes types of business ownerships, aspects of successful management and real world business analysis techniques. Students interested in the global perspective of the business world will find this course a must. Good computer skills and web searching skills are a plus in pursuing your interest in the high tech world.

Enrollment requirement: Junior or Senior status

MARKETING

ADVERTISING

7214

1/2 YEAR

.5 CREDIT

Advertising is recommended for students who have an interest in this exciting field. After an overview of the theories and planning of advertising, display, and consumer motivation, this course will deal with the mechanics of ad creation and visual merchandising. Students will create ads, learn about branding, ethics and regulations and prepare ads for various activities such as Homecoming, holiday events and special events. The students will also learn to create flyers, newspapers, magazine ads and billboards electronically.

Enrollment requirement: Freshmen, Sophomore, Junior or Senior Status

FASHION DESIGN & MERCHANDISING

7855 (.5 Business & .5 Art credits)

1 YEAR

1 CREDIT

Fashion Design & Merchandising is a full year course designed for students interested in fashion, fashion design and apparel, and the marketing and event planning aspects of the fashion industry. The course will integrate the aspects of design, product development, and merchandising of apparel products. The purpose of the course is to advance students' knowledge of fashion design through

the elements and principles of design as it pertains to fashion as well as terminology for apparel and recognition of design styles, textiles, clothing and accessory design. Students will explore career options in fashion design, marketing, management and buying. Students will be required to demonstrate creative use of inspiration and design experimentation through various projects. Students will acquire knowledge and skill in the areas such as the business of fashion, fashion economics, fashion promotion events, merchandising and buying. Students will work collaboratively on projects integrating skills in both the design and merchandising aspects of fashion.

Enrollment requirement: Freshmen, Sophomore, Junior, or Senior status

COLLEGE MARKETING

7442C

1 YEAR/1 CREDIT
3 COLLEGE CREDITS

This is an exciting college-level course, offered in conjunction with LIU/POST, that deals with all aspects of buying and selling a product. Topics covered include consumer behavior, selling techniques, market research, retailing, advertising, marketing ethics and product information. The current business world, entertainment industry, food and TV industry are all part of class discussions and assignments. Although not a requirement, Sports and Entertainment Marketing and/or Advertising classes would be beneficial. The course is equivalent to what is taught at most colleges and universities; therefore, a serious interest in the subject matter is recommended. A class trip is usually planned to a business, ad agency, or related marketing field.

Enrollment requirement: Junior or Senior status

SPORTS AND ENTERTAINMENT MARKETING

7215

1/2 YEAR

This course is specialized for students with a career interest in the fields of sports and/or entertainment. In addition to a marketing overview, the course is designed to provide students with learning applications in the areas of sponsorship, promotion, advertising, sales, event marketing and communications. Students will also obtain an understanding of the career options available to them, and will have the opportunity to explore current events in the sports/Entertainment field. Students must have the skills to be able to work in groups as well as independently on projects. A class trip is usually taken to a sports/entertainment venue such as Madison Square Garden and Radio City for a behind the scenes tour.

Enrollment requirement: Sophomore, Junior or Senior status

COLLEGE VIRTUAL ENTERPRISE

7434C (*May serve as an Economics credit*)

1 YEAR/2 CREDITS
6 COLLEGE CREDITS

This **two-period** course, offered in conjunction with LIU/POST, is recommended for students considering a business major in college. This capstone course is a business simulation that turns the traditional classroom into a vibrant real-world office. Students create and manage a virtual business from the ground up selling their products/services to other virtual firms around the world. Students will also create and run a trade show booth at the Virtual Enterprise International Trade Show in New York City and compete in business-oriented competitions. Students are involved in every aspect of the business including human resources, accounting, product development, production, distribution, marketing, and sales. This course provides students with hands-on-skills for life-long employability, up-to-date technical and supportive resources, and inclusion of technology into all business courses. There will be opportunities for real world application of student's skills, and integration with other academic areas. The students will receive a New York Stated Career and Technical endorsement on their diploma upon successful completion of the course and passing the Precision exam.

Prerequisite: Junior or senior status, successful completion of Computer Technology and Careers and one additional full year business class in marketing, finance, law and/or technology (the completion of only Career and Financial Management does not meet this prerequisite).

Enrollment requirement: Acceptance is based on a point system using academic performance in business classes, submission of a cover letter, resume and an interview.

SCHOOL-TO-CAREERS

SENIOR-YEAR PROJECT

7474

NO CREDIT

The Senior-Year Project is designed to actively engage seniors in a “real life” experience during their senior year. Senior Year Project, a component of The Senior Year Capstone program, has the potential to foster compassion, creativity, citizenship and confidence in students as they enter the workforce, college and society. Students assume adult responsibilities and obligations as they progress through the program. The Senior-Year Project consists of a 25-hour independent project *as a graduation requirement*. Students may select from an Internship or a Career Based Project. The project is coordinated with activities in English 12 classes. There will be no release time given to complete the project. All hours are to be completed during a student’s free time.

COMPUTER SCIENCE AND TECHNOLOGY

COMPUTER TECHNOLOGY & CAREERS

1/2 YEAR

7210(Satisfies Computer Technology requirement)

.5 CREDIT

This one-semester **accelerated** course is designed to develop 21st Century technology skills needed to succeed in college, careers and personal endeavors. Students will learn important computer skills through the use of software such as Microsoft Office: Word, Excel and PowerPoint, Naviance College and Career website, and *Scratch* software development tool. The students will compose and format documents; manage their computer data and files; utilize their computer to calculate and present information; learn Internet safety, college research techniques and investigate careers through self-assessment and exploration. In accordance with New York State

Education Department Standards, and in conjunction with the Pupil Personnel Department, the students will maintain an electronic career plan. Students will create resumes and participate in mock interviews with local business professionals. In addition, students will explore the building blocks of logic using a graphical creative development tool.

Enrollment requirement: Sophomore, Junior, or Senior status

NOTE: Students who feel they have acquired an extensive knowledge of computer concepts, the use of Microsoft Word, PowerPoint, and Excel and can demonstrate some knowledge of programming logic, may choose to take one of the following options. Students need to discuss this with their school counselor when they meet to create their schedule. Students must be in good academic standing.

OPTION 1: Students may take AP Computer Science Principles. Students who choose this option are required to complete an Independent Career Project and participate in Interview Day.

OPTION 2: Students may test out of the Computer Technology component if they feel they have prior knowledge of the computer skills taught. Students will be given access to online resource materials and will be required to pass an assessment of their computer skills. This testing out option requires students to complete an Independent Career Project and participate in Interview Day and develop a small application using the Scratch software program (this requirement will be waived if the student took Computer Programming I).

Students interested in either of the above options must obtain and complete a “Test-Out” packet and successfully meet the requirements as stated above prior to June 1st of their Junior year. “Test-Out” signup sheets are available in the PPS or Business Education Department office.

Enrollment requirement: Sophomore, Junior or Senior status

COMPUTER PROGRAMMING 1

7211

1/2 YEAR

.5 CREDIT

This course is designed to provide students with a foundation in computer programming which is a very desirable skill for the 21st century. Students will learn structured programming techniques such as variables, input/output, computation, decision structures, functions, and simple data structures. Students will be introduced to the newer paradigm of event-driven programming and will implement real world programming problems with simple examples, building to more complex systems. Students will create programs for a variety of applications, including gaming techniques and animation. This course is a prerequisite for students interested in taking Computer Programming II and AP Computer Science A.

Enrollment requirement: Freshmen, Sophomore, Junior or Senior Status

COMPUTER PROGRAMMING 27212 (*Completion of both courses may serve as a Math or Science credit*)

1/2 YEAR

.5 CREDIT

The course will teach students to use the JAVA language's objected oriented technologies to solve a variety of applications. Students will learn the language fundamentals and to use classes and objects. The students will also be introduced to the different programming environments used such as applets and graphical user interfaces. Students will gain a general understanding of the stages of software development life cycle and good program design. This course will be required as a prerequisite to AP Computer Science A. Students who enjoy working with computers find this course interesting and challenging.

Prerequisite: Successful completion of Computer Programming I

Enrollment requirement: Freshmen, Sophomore, Junior or Senior Status

COLLEGE ARTIFICIAL INTELLIGENCE

7414C

1/2 YEAR

.5 CREDIT

This course, offered in conjunction with LIU/POST, covers the basic principles of artificial intelligence. Students will learn several basic AI techniques, the problems for which they are applicable, and their limitations. The course content is organized roughly around the three central pillars of AI: search, logic, and learning. Topics covered include basic search, heuristic search, game search, knowledge representation, logic and inference, probabilistic modeling, and machine learning algorithms. This course will also cover important concepts related to computational thinking, machine learning, deep learning, and neural networks. Students will also study AI in action through several exploratory lab projects.

Enrollment Guidelines: Sophomore, junior, or senior status.

COLLEGE GAME DESIGN

7413C

1/2 YEAR

.5 CREDIT

This course, offered in conjunction with LIU/POST, presents the software development life cycle from the perspective of game design. Topics include rule-based scenarios, story boarding, virtual environments, interaction design, and prototyping. Upon completion of this course, the students will be able to design 2D and 3D game interfaces, script game object interactions, program games of intermediate complexity, and design and code game programs applying correct and efficient language constructs.

Prerequisite: Computer Programming 2 or permission from Department Chairperson.

Enrollment Guidelines: Sophomore, Junior, or Senior status.

CISCO IT ESSENTIALS H7411H(*May serve as a Science Credit*)

1 YEAR

1 CREDIT

Hewlett High School is a certified CISCO Academy and students interested in technology would benefit from taking this industry-level course. Imagine building a computer then connecting it securely to a network. This course will cover installing, configuring and troubleshooting computers and mobile devices and identifying networking threats such as phishing and spoofing. Students will learn by practicing on real computer equipment and by using simulation tools. This course will

prepare for the CompTIA A+ Certification.

Students who enjoy working with computers will find this course interesting and challenging.

Enrollment requirement: Sophomore, Junior or Senior status

Course offered in alternate years. Next offering in 2023—2024.

AP COMPUTER SCIENCE A

1 YEAR

7413A (*May serve as a Science Credit*)

1 CREDIT

This course is the equivalent of the freshman Computer Science course given at most colleges. AP Computer Science emphasizes programming methods using the JAVA programming language. The course includes an in-depth study of algorithms, object oriented programming concepts, data structures such as arrays and array lists, text manipulation, recursion and sorting and searching algorithms. There is an emphasis on evaluating code and also developing programming logic to solve problems. Students will be expected to take the AP Computer Science A exam in May.

Enrollment requirement: Successful completion of College Computer Programming I & II

Course offered in alternate years. Next offering in 2023—2024.

AP COMPUTER SCIENCE PRINCIPLES

1 YEAR

7415A (*May serve as a Math or Science credit/Satisfies Computer Technology requirement*) 1 CREDIT

Computer Science experience has become imperative for today's students and the workforce of tomorrow. This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. This course is not centered on a particular programming language and is not just about syntax or logic. This rigorous course promotes deep learning of computational thinking skills and engages in the creative aspects of the field. Students will use a variety of computational tools to develop a portfolio of artifacts in the areas of large data sets, data abstraction, algorithms and programming, the Internet and the global impact that computing has on the world in which we live. Students will develop effective communication and collaboration skills in addition to critical thinking skills in solving problems. This class can be used to satisfy the computer technology requirement. Please note: Students taking this class in lieu of Computer Technology and Careers must complete the Career Plan and Interview Day Prep assignments on their own.

Enrollment guidelines: Sophomore, Junior or Senior status.

ENGLISH DEPARTMENT

Mrs. Michele Hochhauser, District Chairperson

mhochhauser@hewlett-woodmere.net

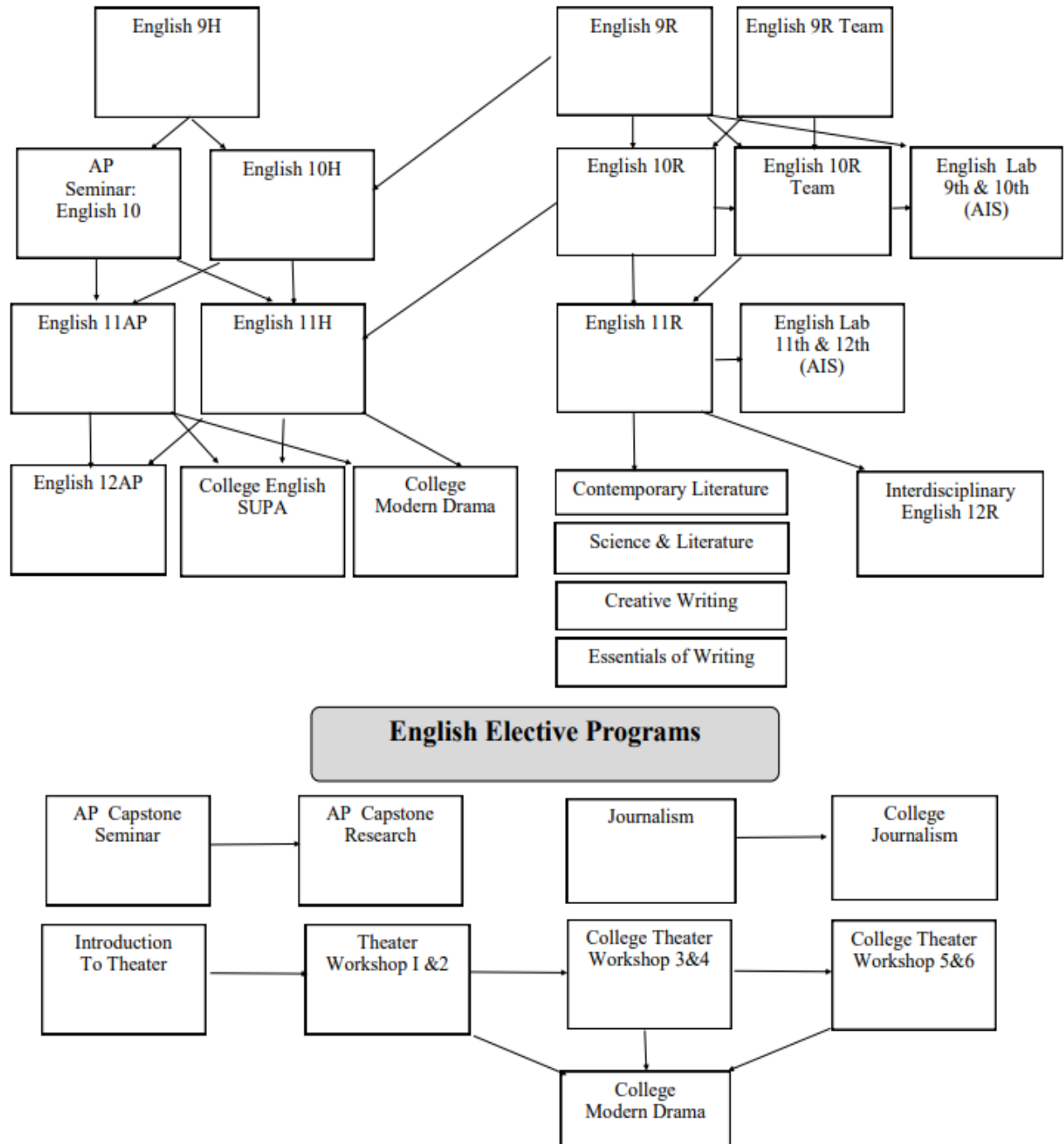
516-792-4382 (MS)

516-792-4028 (HS)



G.W. HEWLETT HIGH SCHOOL

ENGLISH DEPARTMENT



ENGLISH 9R

1409

1 YEAR

1 CREDIT

The English 9R program stresses careful study of different genres of fiction and non-fiction; instruction and practice in argument, informational, and narrative writing; along with explicit vocabulary and grammar instruction. Students in this course will be expected to read an independent text each marking period along with the texts studied in class. In addition, students will engage in project-based learning activities, literary criticism, debate, inquiry, and research. Assessment in this course will include: tests, quizzes, essays, projects, and class participation.

English 9/10 Support

1409L

ALT. DAY

NO CREDIT

This course provides an additional place and time for students to continue honing their reading and writing skills in order to be successful in all academic areas. This course meets every other day throughout the year and will focus on specific skills in reading and writing based on the ongoing assessment and progress monitoring of the students in the class. In this course, students will receive targeted instruction based on their individual needs. Lower teacher-student ratio will allow for students to receive regular feedback on their literacy growth.

Prerequisite: Teacher recommendation and/or not meeting proficiency levels on the NYS ELA tests.

TEAM ENGLISH 9R + Lab

1409T (Linked with Global History 1R Lab)

1 YEAR

1 CREDIT

This course involves the study of different genres of fiction and non-fiction; instruction and practice in argument, informational, and narrative writing; along with explicit vocabulary and grammar instruction. Students in this course will receive additional instruction in the ELA skills necessary for success in high school. Students will be required to read independently and to complete a research project designed to strengthen reading, writing, and researching skills. All students enrolled in the Team English class will also participate in a writing lab every other day to refine the necessary skills needed for success on the New York State English Language Arts Regents, which they will take in their junior year.

ENGLISH 9H

1409H

1 YEAR

1 CREDIT

English 9H is an advanced course which builds the foundation for AP success. The program will instruct and engage students in reading and comprehending complex literary and informational texts independently and proficiently. Student will participate in regular close readings to determine what texts say explicitly and to make logical inferences from these texts in order to determine central ideas and themes. A focus on figurative meanings, structures of texts, and various points of view will assure students' literacy skills are aligned with the demands of the high school curricula. The writing in this course will instruct students on sophisticated techniques for argument writing and students will write routinely in this class to improve this skill. Regular units of study on specific grammar topics and vocabulary are also a part of this course as well as independent reading for which students will be held accountable. Students selecting this course should be avid readers and strong writers who are committed to multiple revisions of writing. Students who are successful in 9H are expected to participate in AP Capstone Seminar, English 11AP Language and Composition, or English 10 Honors. Assessments for this course will include: tests, quizzes, essays, projects, and class participation.

Enrollment Guideline: An average of 90% or higher in English 8 and teacher recommendation.

ENGLISH 10R

1410

1 YEAR

1 CREDIT

English 10R aims to further the skills acquired in 9th grade English and provide specific instruction in argument to advance the student's ability to produce cogent arguments on literary works and for inquiry-based research papers. The program will continue to engage students in reading and comprehending complex literary and informational texts independently and proficiently. Student will participate in regular close readings allowing for students to develop evaluative questions for further exploration of the topic(s). Continued focus on literary and rhetorical devices, structures of texts, and various points of view will assure students' literacy skills are aligned with the demands of the NYS English Language Arts Regents exam in 11th grade. Regular units of study on specific grammar topics and vocabulary are also a part of this course as well as independent reading for which students will be held accountable. Assessments for this course will include: tests, quizzes, essays, projects, and class participation.

TEAM ENGLISH 10R + Lab

1410T

1 YEAR

1 CREDIT

This course aims to further the skills acquired in 9th grade English and provide specific instruction in argument to advance the students' ability to produce cogent arguments on literary works and for inquiry-based research papers. This program will continue to engage students in reading and comprehending literary and informational texts independently and proficiently. Students in this course will receive additional instruction in the ELA skills necessary for success in high school. All students enrolled in the Team English class will also participate in a writing lab every other day to refine their skills. Continued focus on literary and rhetorical devices, structures of texts, and various points of view will assure students' literacy skills are aligned with the demands of the NYS English Regents exam in the 11th grade. Regular units of study on specific grammar topics and vocabulary are also a part of this course as well as independent reading for which students will be held accountable. Assessments for this course will include: tests, quizzes, essays, projects and class participation. This course is linked with Team Global History 2R.

ENGLISH 10H

1410H

1 YEAR

1 CREDIT

This course is designed for English students who possess the ability and the desire to do challenging work. Students are expected to study texts through making inferences and advanced analytical skills. They will be required to read a variety of seminal literary and non-fiction texts and conduct in-depth analyses of the literary/ rhetorical devices authors use to develop their pieces. Students will be required to work independently and in groups to engage in substantive research practices and think critically about current issues. The goals of this course are to prepare students for the reading and writing required on the NYS English Language Arts Regents; the rigor of this course is designed to prepare students for advanced English language arts courses such as English 11AP: Language and Composition or English 11 Honors. The English 10 Honors course is designed to extend and reinforce the reading, analytical and language skills students mastered at the end of ninth grade and to encourage them to demonstrate these skills in increasingly rigorous and independent ways.

Enrollment Guideline: An average of 90% or higher in English 9 or 9H and/or teacher recommendation

AP SEMINAR: ENGLISH 10

1410A

1 YEAR

1 CREDIT

This foundational course provides students with opportunities to think critically and creatively, research, explore, pose solutions, develop arguments, collaborate, and communicate using various media. Students explore real-world issues through a cross-curricular lens and consider multiple points of view to develop deep understanding of complex issues as they make connections between these issues and their own lives. This course is aligned with the NYS ELA Standards, and upon

successful completion of the course, students will be awarded AP credit and are qualified to take the AP Research course in 11th grade. Students who earn scores of three or higher in: AP Seminar, AP Research, and four other AP courses will be awarded an AP Capstone Diploma from College Board.

Enrollment Guideline: An average of 90% or higher in English 9H and/or teacher recommendation

ENGLISH 11R

1411

1 YEAR

1 CREDIT

This course will prepare students for the NYS English Language Arts Regents exam which will require students to: closely read, analyze, and evaluate complex texts, both fiction and non-fiction; delineate arguments and write a cogent argument; and read and respond to literary texts. The course will include reading a variety of genres and refine students' grammar and language skills. All students in 11th grade will complete an inquiry-based research project which will culminate in a research paper. In this course, students will be expected to read outside of the classroom and will be held accountable for their outside, independent reading. Assessments in this course will include: tests, quizzes, essays, projects, and class participation.

English 11/12 Support

1411L

ALT. DAY

NO CREDIT

This course provides an additional place and time for students to continue honing the specific reading and writing skills necessary to achieve success on the NYS English Language Arts Regents and the SAT and/or ACT. This course meets every other day throughout the year and provides an additional period in the student's day to receive individual and small group instruction and support on reading and writing assignments in other content areas. With a lower teacher-student ratio, students will receive regular feedback on their literacy growth.

Enrollment Guideline: Teacher recommendation and/or not meeting proficiency levels on the summative English assessments.

ENGLISH 11H

1411H

1 YEAR

1 CREDIT

This course adds enrichment to the 11R curriculum by challenging students who are avid readers with strong writing skills who wish to participate in the annual Book Trials, a project-based learning activity which places a controversial book on trial for a mock school board to decide if it should be adopted into the curriculum. During this project, students work in legal teams conducting close-reading, research, producing cogent arguments for or against the book. Students in this course will be prepared for the NYS English Language Arts Regents which will require students to: closely read, analyze, and evaluate complex texts, both fiction and non-fiction; delineate arguments and write a cogent argument; and read and respond to literary texts.

Enrollment Guideline: An average of 90% or higher in English 10 or 10H and/or teacher recommendation

AP ENGLISH 11: LANGUAGE AND COMPOSITION

1411A

1 YEAR

1 CREDIT

This course prepares the students for the Advanced Placement Exam in English Language and Composition; it will focus on the chronological development of American Literature, but will also include specific study of and writing about analytic and persuasive essays on nonliterary topics. Students will become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. The Language and Composition course assumes that its students have mastered Standard English grammar. Additionally, all students who are enrolled in this course are required to take the English Language and Composition AP Examination in May. This course may not be taken concurrently with English 11R or 11H.

Enrollment Guideline: A final average of 90% in AP Seminar or English 10H and/or teacher recommendation

SENIOR-YEAR PROJECT (SYP)

7475

1 YEAR
NO CREDIT

The Senior-Year Project program is designed to actively engage seniors in real-life experiences during their senior year. Senior Year Project, a component of the senior year, has the potential to foster compassion, creativity, citizenship and confidence in students as they enter the workforce, college, and society. Students assume adult responsibilities and obligations as they proceed through the program. The project consists of a 25-hour independent project as a graduation requirement. Students may select from an internship or career-based project. Seniors will be required to write a résumé, a proposal, secure an internship, and maintain a journal of their hours. This project is coordinated with activities in English 12 classes and advisement is provided by the business department. All hours are to be completed during a student's free time; release time from school will not be granted.

INTERDISCIPLINARY ENGLISH 12R

1412IN

1 YEAR
1 CREDIT

English 12R Interdisciplinary is a course coordinated with 12R Interdisciplinary Participation in Government and Economics. Students in this course will engage in various project-based learning activities and will examine contemporary issues in government, from our local government to our national government; it expects students to be reflective learners as plays, novels, and essays are closely read and reflect a development of these issues over time. During the English portion of the course, students will work to enhance their understanding of the world at large and the world at home. This understanding will come as a result of close reading, class debates, individual responses and group presentations, and after reading non-fiction and literature reflective of the issues covered in Government and Economics. Students enrolled in this course are required to complete the Senior-Year Project.

College-Level English Courses

With a payment of a fee to the specific university or college, students can earn college credits from that particular institution. We do not guarantee the credits earned from these institutions will be accepted at other colleges; it is the responsibility of the student to find out if the college(s) of his/her choice will accept the credits earned.

COLLEGE WRITING

1413C (Fall Term)

1/2 YEAR
.5 CREDIT
3 COLLEGE CREDITS

This college level course, offered in conjunction with Syracuse University, is the equivalent to the freshmen writing course taught at many colleges. Students who earn a "C" or higher in this course can earn three credits from Syracuse University. This rigorous semester course pays particular attention to writing as a means of learning and a way to encourage active intellectual engagement. Learning to write formal academic analysis and argument begins with learning to think reflectively in a variety of contexts, a skill in which students will engage regularly while in this class. To ensure this process and exploration, students will be required to write a number of short papers and three (3) major, six to seven page paper papers. This course is capped, as per Syracuse University, at twenty (20) students.

Enrollment Guideline: An average of 90 or higher in English 11AP or English 11H

COLLEGE READING: GENDER AND LITERACY TEXTS

1414C (Spring Term)

1/2 YEAR
.5 CREDIT
3 COLLEGE CREDITS

This college level course, offered in conjunction with Syracuse University, is a writing-intensive course. It is intended to familiarize students with the thought processes, structures, and styles associated with writing in the liberal arts. Students who earn a "C" or higher in this course can earn three credits from Syracuse University. This college level course may also fulfill a writing-intensive

requirement at other postsecondary institutions. Syracuse University describes this course as one in which students “explore the construction and representation of gender, especially as it affects the production and reception of literary and other cultural texts.” Students will read works dating back to the 15th up through the 20th centuries in order “to examine what gender comes to mean in such literary texts and its effects.” This course is capped, as per Syracuse University, at twenty (25) students.

Enrollment Guideline: An average of 90 or higher in English 11AP or English 11H

COLLEGE MODERN DRAMA

1431C

1 YEAR

1 CREDIT

3 COLLEGE CREDITS

This college-level course, offered in conjunction with Molloy College, will satisfy the fourth year of English credit. College Modern Drama is an English/Theater course that focuses on modern literature that is written for performance intended for students with a strong, continued interest in theater arts. This class will investigate elements of dramatic literature and the various forms of drama that have evolved to include: modern realism, comedy of manners, theater of the absurd, and farce. Students will focus on the exploration of drama, humor, gender, and identity through various forms of modern theater. Dramatic literature will be studied comparatively within the fields of literature, theater history, stage production, theater criticism, and cinematic adaptation. Students will immerse themselves in the various topics and produce original works in one or more of these genres. Students will also be required to complete the Senior-Year Project.

Prerequisite: Successful completion of Introduction to Theater or permission from the instructor

AP ENGLISH 12: LITERATURE

1412A

1 YEAR

1 CREDIT

English Literature Advanced Placement is based on a survey of excellent literature from many different cultures. The course prepares the student for the Advanced Placement exam in English Literature and Composition. It is designed for those students who are prepared to move into areas of post-secondary studies in literature and composition. The class requires extensive outside reading along with critical, literary analyses of this reading. The study of literature offers a wide variety of reading in novels, plays, and poetry of merit including Greek tragedies, Shakespeare's tragedies, American classics, and poetry dating back to the 19th century. All students enrolled in this course are required to take a midterm examination in January and the AP examination in Literature and Composition in June. The Senior-Year Project, with some modifications, is required of all students.

Enrollment Guideline: An average of 90% or higher in 11H or 11AP and/or teacher recommendation.

SENIOR SELECTIVES

Senior Selectives are semester courses that can be taken to fulfill the fourth year of English and one must be taken in each semester providing a full-year of English. While the topics of study are different in each of the four “selectives,” each course is aligned with the Common Core Learning Standards intending to prepare students for the literacy demands of college and career. Each course will include activities and assessments that instruct and engage students in: reading, writing, grammar, vocabulary, and presentations.

ESSENTIALS OF WRITING

1424 (Fall Term)

1/2 YEAR

.5 CREDIT

This course will survey the various types of writing expected in college and in careers including: reaction papers, article reviews, cover letters, résumés, proposals, and policy papers. A focus on preciseness, proper grammar, and formats will be included in this course.

CREATIVE WRITING

1425 (Fall Term)

1/2 YEAR

.5 CREDIT

The course offers students an opportunity to explore and increase their creative writing and critical thinking skills as they work to produce short stories, personal essays, and poems, while closely studying the work of writing masters.

CONTEMPORARY LITERATURE

1422 (Spring Term)

1/2 YEAR

.5 CREDIT

This course will allow students to read a variety of genres including; novels, plays, poems, and short stories, written within the past fifty years. Project-based learning will permit students to analyze and discuss these works in an authentic manner while honing their critical thinking skills and responding to the literature creatively.

SCIENCE FICTION LITERATURE

1423 (Spring Term)

1/2 YEAR

.5 CREDIT

This course will explore the volumes of science-fiction stories written in the past one-hundred years. Topics will include: monsters in literature, computer science in literature, and fantasy. Students will analyze the role science plays in literature and will convey their understating of this role in their own writing, presentations, and projects.

ELECTIVE COURSES**AP CAPSTONE SEMINAR**

1410A

1 YEAR

1 CREDIT

This course is now being offered as an elective for students in grades eleven and twelve who have not previously taken AP Seminar. It provides students with opportunities to think critically and creatively, research, explore, pose solutions, develop arguments, collaborate, and communicate using various media explore real-world issues through a cross-curricular lens and consider multiple points of view to develop deep understanding of complex issues as they make connections between these issues and their own lives course is aligned with the Common Core State Standards, and upon successful completion of the course, students will be awarded AP credit and are qualified to take the AP Research course who scores of three or in: AP Seminar, AP Research, and four other AP courses will be awarded an AP Capstone Diploma from College Board.

Enrollment Guideline: average of 90% or higher in English/or teacher recommendation

AP CAPSTONE RESEARCH

2270A

1 YEAR

1 CREDIT

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long mentored, research-based investigation to address a specific question. In this course, students further develop the skills acquired in the AP Seminar course by learning about and understanding research methods; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. The course culminates in an academic thesis paper, presentation, performance, or exhibition with an oral defense. Students who earn scores of three or higher in: AP Seminar, AP Research, and four other AP courses will be awarded an AP Capstone Diploma from College Board.

Prerequisite: Successful completion of AP Seminar.

INTRODUCTION TO THEATER:

1 YEAR

1230

1 CREDIT

Introduction to Theater is intended to provide a fundamental appreciation of the components of theater production. To begin to fully understand and appreciate theater, it is essential that one experiences the theater and participates in as many aspects as possible. Students in this course will be required to participate in ensemble exercises, improvisation, pantomime, scene study, theatrical performance, in-class discussions as well as attend and discuss live performances. Through improvisation and script writing, the class will write and produce an original class play at the end of the school year to be performed as a showcase.

*This course fulfills the one year art requirement.

THEATER WORKSHOP 1 & 2

1 YEAR

1231

1 CREDIT

Theater Workshop 1 & 2 is a course designed to enhance the fundamental appreciation of the components of theater learned in the introductory theater course. Students in this course will be required to participate in as many aspects as possible: ensemble exercises, improvisation, intermediate scene study, dramatic and comedic monologue study, acting on film, audition preparation, theatrical performance, in-class discussions, as well as attend and discuss live performances. In addition, the study of dramatic structure and theater history will be components of this course.

Prerequisite: Successful completion of Introduction to Theater and the recommendation of the instructor.

COLLEGE THEATER WORKSHOP 3 & 4

1 YEAR

1233C

1 CREDIT

This college level-course is offered in conjunction with Adelphi University. Theater Workshop 3 & 4 is an advanced theater course designed to enhance the fundamental appreciation of the components of theater learned in the prior theater courses. Students in this course will be required to participate in advanced ensemble exercises, improvisation, advanced scene study and monologue preparation in contemporary and Shakespearean theater, musical theater, in-class discussions, showcases, audition preparation, reader's theater, acting on film, directing, and to attend and discuss live performances. Students will also study theater criticism and theater history.

Prerequisite: Successful Completion of Theatre Workshop 1 and 2, and recommendation of the instructor.

COLLEGE THEATER WORKSHOP 5 & 6

1 YEAR

1235C

1 CREDIT

This college-level course is offered in conjunction with Adelphi University. Theater Workshop 5 and 6 is a two-part advanced theater course which constitutes the fourth level of theater studies for students who have already successfully completed the prior workshop courses. It is designed for the dedicated theater student who will continue to work on skills developed in the previous courses but will add projects in areas of particular interest to the student. Students will specialize in directing and will direct other students in original projects and scenes. Students will also specialize in a "Workshop" in which a particular genre of theater will be assigned and studied; monologues and scenes will be prepared in the style of that genre (for example, Moliere, Wilde, Shaw, Beckett, Williams, the Greek dramatists) that may be explored in this workshop. Furthermore, the theater sequence will culminate with the final Senior Theater Project that will be fully developed by each student using a topic of his/her choice and designing, performing, writing, casting and/or directing it in an independent showcase near the end of the school year.

Prerequisite: Successful completion of the three-year sequence and permission of the instructor.

JOURNALISM

1214 (Fall)

1/2 YEAR

.5 CREDIT

The focus of this course is the art of oral and written communication. Emphasis is placed on basic journalistic skills such as researching and acquiring information, interviewing, writing, preparing material for publication, copy reading and editing. Students will be studying and writing news, features, editorials and reviews. Journalistic ethics, issues and problems will be discussed. TV and radio broadcasting skills are optional areas of study. The course is open to students who are interested in gaining proficiency and sophistication in their written expression and who wish to explore a great variety of aspects and issues related to the realm of journalism. The student's work will be considered for publication in *Spectrum*, the Hewlett High School newspaper. It is advisable that those who wish to apply for newspaper editorship select this course. Students who are planning to work on *Patches*, the school yearbook, will also find many units applicable to yearbook journalistic styles, including the areas of layout, design, editing, etc.

Open to Freshmen, Sophomores, Juniors or Seniors.

Courses offered in alternate years; next offering 2023-2024.

COLLEGE JOURNALISM:

1214C (Spring)

1/2 YEAR

1/2 CREDIT

3 COLLEGE CREDITS

This college-level course, offered in conjunction with Molloy College, is designed to offer further enrichment to students who have taken Journalism or who have had equivalent experience. The course will review the fundamentals of news, feature and opinion writing; and will explore in more detail such areas as: journalistic writing style, feature writing, editing, organizing and planning a school newspaper, and broadcast journalism. Students will also study the ethical and legal issues involving the press and media. They will read and evaluate the writing of a variety of journalists, critics, essayists, and feature contributors to major metropolitan newspapers and magazines. Students enrolling in this course will be expected to participate in *Spectrum*, the school newspaper. Writing and submitting articles, columns, or editorials; copy editing, and/or advertising are all possible means of participation. This course is suggested for those students who wish to go beyond the curriculum offered in Journalism, who aspire to be school newspaper editors, who wish to major in journalism in college, or who want to increase their writing skills.

Open to Freshmen, Sophomores, Juniors or Seniors.

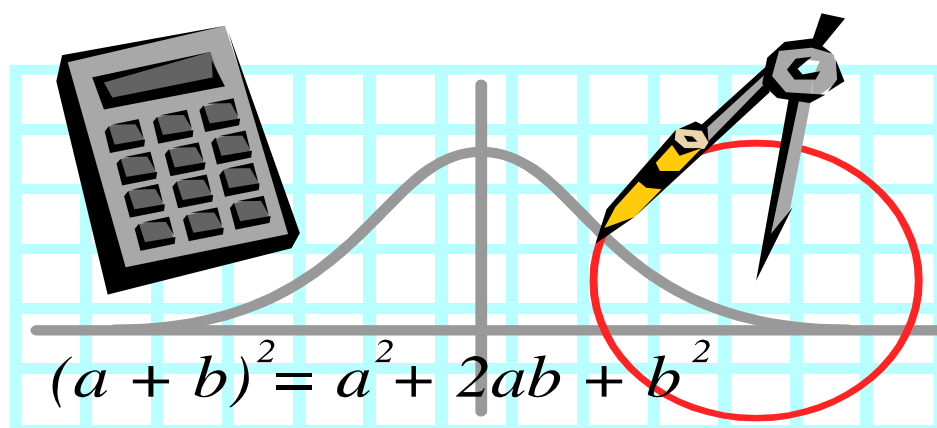
Courses offered in alternate years; next offering 2023-2024.

MATHEMATICS DEPARTMENT
Ms. Joanne Fennessy, District Chairperson

jfennessy@hewlett-woodmere.net

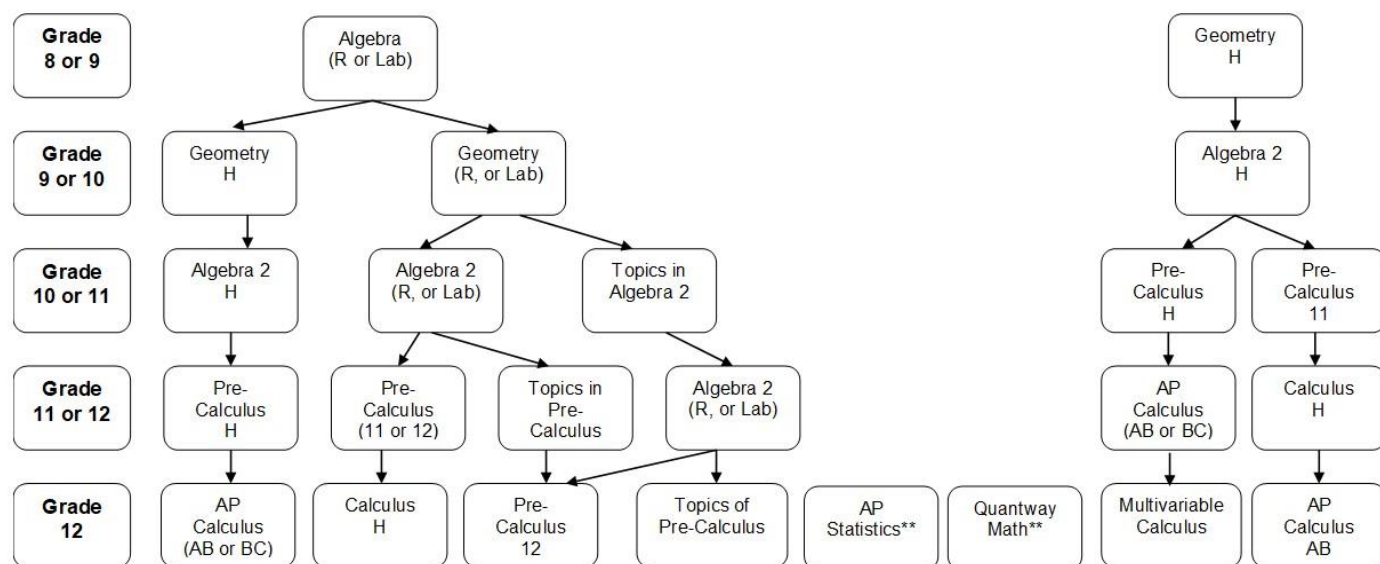
516-792-4053 (HS)

516-792-4379 (MS)



G.W. HEWLETT HIGH SCHOOL

MATHEMATICS DEPARTMENT



**Can be taken as a math elective after completion of Algebra 2

The following Business courses may be used as a third year of Math:

Financial Math
 Introduction to Accounting
 College Accounting
 Computer Programming 1 & 2
 AP Computer Science A/Principles
 (See Business Department offerings for more information)

ALGEBRA 1R

3409

1 YEAR

1 CREDIT

The Algebra 1 course begins with efficiently reviewing algebraic concepts while at the same time moving students forward into new ideas. Students contrast linear and exponential functions as they explore exponential models using the familiar tools of tables, graphs, and symbols. Finally, they apply these same tools to study quadratic functions. Throughout, the connection between functions and equations are emphasized to give students more ways to model and make sense of problems.

ALGEBRA 1R LAB

3409L

ALT DAY

NO CREDIT

Additional alternate day support class may be recommended for those students who need more time to master material in preparation for the Algebra I Regents examination in June.

TEAM ALGEBRA 1R + LAB

3409T

1 YEAR

1 CREDIT

This course is designed for those students who need more time and practice to master the mathematical skills and concepts, which are needed to successfully complete Algebra 1R. The content of Team Algebra 1R + Lab is the same as Algebra 1R, but there is an additional lab period assigned to students every other day to help achieve this goal. Additional labs per cycle: 3

Enrollment Guidelines: Teacher recommendation

GEOMETRY R

3410

1 YEAR

1 CREDIT

In this Geometry, course students expand their experiences with transformations and constructions to engage in formal proofs of geometric theorems. They use transformations in the plane as a foundation to prove congruence and similarity. From this foundation, students look to define trigonometric ratios and apply these concepts to solving problems involving right triangles. Students also apply geometric concepts such as solid geometry, coordinate geometry and circles to model situations.

Prerequisite: Successful completion of a course that culminates with the Algebra 1 Regents exam

GEOMETRY LAB

3410L

ALT DAY

NO CREDIT

Additional alternate day support class may be recommended for those students who need more time to master material in preparation for the Geometry Regents examination in June.

GEOMETRY H

3410H

1 YEAR

1 CREDIT

In this Geometry, course students expand their experiences with transformations and constructions to engage in formal proofs of geometric theorems. They use transformations in the plane as a foundation to prove congruence and similarity. From this foundation, students look to define trigonometric ratios and apply these concepts to solving problems involving right triangles. Students also apply geometric concepts such as solid geometry, coordinate geometry and circles to model situations. Geometry H is an honors level course, which challenges students with higher-order thinking beyond the level encountered in Geometry R.

Prerequisite: Successful completion of a course that culminates with the Algebra 1 Regents exam

Enrollment Guidelines: Minimum grade of 90 in Algebra 1/Teacher recommendation

TEAM GEOMETRY R+LAB

3410T

1 YEAR

1 CREDIT

This course is designed for those students who need more time and practice to master the mathematical skills and concepts, which are needed to successfully complete Geometry R. The

content of Team Geometry Lab is the same as Geometry R, but there is an additional lab period assigned to students every other day to help achieve this goal. Additional labs per cycle: 3

Enrollment Guidelines: Looping of grade 9 Team Algebra + Lab/Teacher recommendation

TOPICS IN ALGEBRA 2

3461

1 YEAR

1 CREDIT

This course covers topics such as real and imaginary numbers, polynomials, graphing of linear, quadratic and simultaneous equations. It also includes an introduction to trigonometry. Students are required to take a final exam at the conclusion of the course.

Prerequisite: Successful completion of a course that culminates with the Geometry Regents exam

Enrollment Guidelines: Teacher recommendation.

ALGEBRA 2R

3413

1 YEAR

1 CREDIT

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. Students will learn to make inferences and justify conclusions from sample surveys, experiments, and observational studies. Finally, students create probability models, compute, and interpret probabilities from these models.

Prerequisite: Successful completion of a course that culminates with the Geometry Regents exam

ALGEBRA 2+ LAB

3413L

1 YEAR

1 CREDIT

This course is designed for those students who need more time and practice to master the mathematical skills and concepts, which are needed to successfully complete Algebra 2R. The course content of Algebra 2 + Lab is the same as Algebra 2. Additional labs per cycle: 3

Prerequisite: Successful completion of a course that culminates with the Geometry Regents exam

ALGEBRA 2H

3413H

1 YEAR

1 CREDIT

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. Students will learn to make inferences and justify conclusions from sample surveys, experiments, and observational studies. Finally, students create probability models, compute, and interpret probabilities from these models. Algebra 2H is an honors level course, which challenges students with higher-order thinking beyond the level, encountered in Algebra 2R.

Prerequisite: Successful completion of a course that culminates with the Geometry Regents exam

Enrollment: Minimum grade of 90 in Geometry H/Teacher recommendation

QUANTWAY MATHEMATICS

3466

1 YEAR

1 CREDIT

Students will further develop their understanding of proportional reasoning, interest and loans, probability, functions, exponents, logarithms and statistics. Students are expected to work collaboratively in real-life applications of numeracy, the statistical analysis process, experimental designs and conclusions, Z-scores, P-values, multivariate models, piece-wise functions and data visualizations and interpretation.

Pre-requisite: Completion of a class that culminates with the Algebra 2 Regents examination.

TOPICS IN PRE-CALCULUS3435 1 YEAR
1 CREDIT

This course is designed for students planning to continue with four or more years of mathematics. It will help students improve their mathematical reasoning and problem solving skills and help prepare students for future math courses at the college level. Topics covered include sets, relations and functions, theory of equations of higher degree, matrices, complex numbers, derivatives, integration, Golden Ratio, Fibonacci numbers, and other applications of mathematics.

Prerequisite: Successful completion of a course that culminates with the Algebra 2 Regents exam

PRE-CALCULUS 113441-11 1 YEAR
1 CREDIT

This fourth-year course in the math program extends the curriculum of the first three years and gives the college-bound student a firm foundation for future math courses at the college level. Topics included will be polynomials, synthetic division, curve sketching, complex numbers, limits, derivatives and their applications to velocity, acceleration and maxima-minima problems, anti-derivatives, logarithmic and exponential functions.

Prerequisite: Successful completion of a course that culminates with the Algebra 2 Regents exam

Enrollment Guideline: Intended for juniors preparing for Calculus

PRE-CALCULUS 123441-12 1 YEAR
1 CREDIT

This fourth-year course in the math program extends the curriculum of the first three years and gives the college-bound student a firm foundation for future math courses at the college level. Topics included will be logarithmic and exponential functions, polynomials, synthetic division, curve sketching, complex numbers, limits, derivatives and their applications to velocity. Students are required to take a final exam at the end the course.

Prerequisite: Successful completion of a course that culminates with the Algebra 2 Regents exam

PRE-CALCULUS H3441H 1 YEAR
1 CREDIT

This is a rigorous pre-calculus course designed to give the student a sophisticated approach to modern mathematics. It integrates topics from modern algebra, analytic geometry, spatial geometry, trigonometry, and introductory calculus into a unified course from a modern point of view. Major areas covered include: set theory, relations, functions, mathematical systems, extension of coordinate geometry in two and three dimensions, matrices, polar coordinate systems, parametric equations, vectors, sequences, series, limits, complex numbers, and an introduction to differential and integral calculus. Students are required to take a final exam at the end the course.

Prerequisite: Successful completion of Algebra 2H

Enrollment Guidelines: Minimum grade of 90 in Algebra 2H and Teacher recommendation

CALCULUS H3445H 1 YEAR
1 CREDIT

This course is designed to give the student substantial training in the principles of differential and integral calculus, with emphasis on the applications of these principles. Topics included are limits, derivatives of algebraic, trigonometric, exponential and logarithmic functions along with integrals relating to these topics. Applications will include maxima-minima problems, related rates and other geometric and physical applications. Students are required to take a final exam at the end of the course.

Prerequisite: Successful completion of Pre-Calculus or Pre-Calculus H

AP CALCULUS AB

3443A

1 YEAR

1 CREDIT

This college-level first year calculus course is designed to give the student substantial training in the principles of differential and integral calculus, with emphasis on the applications of these principles. Topics included are limits, derivatives of algebraic, trigonometric, exponential and logarithmic functions along with integrals relating to these topics. Applications will include maxima-minima problems, related rates and other geometric and physical applications. Students will develop proficiency in the use of the graphing calculator. Students are required to take the AP Calculus AB exam in May.

Prerequisites: Successful completion of Pre-Calculus H

Enrollment Guideline: Minimum grade of 85 in Pre-Calculus H and teacher recommendation

AP CALCULUS BC

3444A

1 YEAR

1.5 CREDIT

Advanced Placement Calculus parallels the freshmen calculus course as it is now given in most colleges. The primary objective is to give substantial training in the differential and integral calculus with sufficient applications to make the subject matter meaningful. The subject matter is aimed at preparing the student to qualify for advanced placement in mathematics. Topics to be considered deal with limits, derivative, the integral and trigonometric, exponential, and logarithmic functions along with appropriate geometric and physical applications, sequences, series, and elementary differential equations, maxima-minima, and related rates. The graphing calculator is used extensively throughout the course. Students are required to take the AP Calculus BC exam in May. Additional labs per cycle: 3

Prerequisite: Successful completion of Pre-Calculus H

Enrollment Guideline: Minimum grade of 90 in Pre-Calculus H and teacher recommendation

AP STATISTICS

3451A

1 YEAR

1 CREDIT

This one-year course aims to give students an understanding of the main concepts and skills for collecting, analyzing and drawing conclusions from data. Students are given procedures for exploring data, planning a study, learning to anticipate patterns and making statistical inferences. Graphing calculators and computers will be used throughout the course in analyzing data and solving problems. Topics include normal distributions, correlation, sampling distributions, probability, estimating with confidence, significance tests and chi square procedures among others. Students are required to take the AP Statistics exam in May.

Prerequisite: Successful completion of a course that culminates with the Algebra 2 Regents exam

Enrollment guideline: Minimum grade of 85 in Algebra 2

MULTIVARIABLE CALCULUS H

3461H

ALT DAY

.5 CREDIT

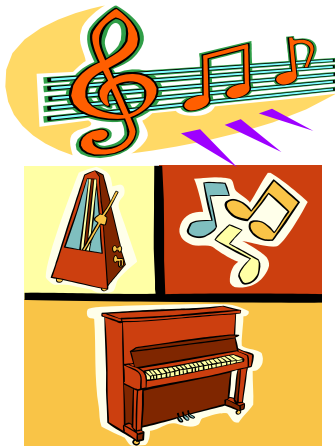
This alternate day course is the extension of calculus in one variable to calculus with functions of several variables. This course covers differential, integral and vector calculus for more than one variable. The primary audience for this course are students who wish to concentrate in either mathematics or applied mathematics in college.

Prerequisite: Successful completion of AP Calculus BC

Enrollment Guidelines: Teacher recommendation

MUSIC DEPARTMENT
Mr. Andrew Fund, District Director

afund@hewlett-woodmere.net
516-792-4808



The High School Music Department is a comprehensive music education program that encourages the development and growth of our students' musical skills. Music courses are open to all students grades 9-12; however, placement exams may be necessary to correctly assess the student's musical ability. To complete a 5 unit sequence, student must have two years of music theory and at least three years of music performance.

MUSIC IN OUR LIVES

1 YEAR

8453

1 CREDIT

This course is designed to meet the New York State Regents Requirement for one unit of art/music credit for those students who do not participate in a major performing ensemble. Students will develop skills in critical listening and elements of music theory via electronic keyboards. A rich history of rock music is a primary focus, along with discussion and analysis of current pop music and industry trends. No prior experience in music is necessary for enrollment in this course. Music in Our Lives is a full-year course that develops student skills in the language and practice of musical concepts in ways driven by student interest. Course content will be determined based on students' interests and skills. Both musical knowledge (academic) and musical skills (performance) will be included.

VOCAL PROGRAM

MIXED CHORUS

1 YEAR

8411

1 CREDIT

The G.W. Hewlett High School Mixed Chorus is the largest vocal ensemble in the High School. The course is open to all students who wish to develop sight reading skills as well as improve vocal technique and ensemble singing. Basic rudiments, ear training, ensemble critique and performance of literature that emphasizes the district choral curriculum tenets are some of the course objectives. All incoming freshmen students must be recommended by the eighth grade choral director. All new students to the choral department must meet basic criteria that will be determined by the high school choral director during a pre-evaluation. Pre-evaluation must be scheduled before students sign up for Mixed Chorus.

TREBLE CHOIR

1 YEAR

8422

1 CREDIT

The G.W. Hewlett High School Treble Choir is a select vocal ensemble consisting of the most talented young vocalists. All students must audition for the ensemble and/or must have a teacher recommendation for placement into the ensemble. All members must have superior musical skills including reading ability and vocal technique. Advanced sight reading as well as musical interpretation is part of the curriculum. Auditions take place in January for the following school year.

CONCERT CHORALE H

1 YEAR

8423H

1 CREDIT

This is an advanced music-performing ensemble. Concert Chorale is an auditioned vocal ensemble. Prospective members must exhibit superior sight reading skills as well as exceptional musicianship. The ensemble performs challenging acapella and accompanied choral music from various genres. Members should be able to perform with advanced technical and artistic ability. Students may audition for the ensemble in January for the following school year and should have been a member of the choral department since eighth grade.

Prerequisite: Students are placed in this course upon audition and recommendation of the Choral Director. All Concert Choral members will be required to have one lab session in every 6 day cycle.

- A statement of agreement must be signed by members and their parents. This statement list performance responsibilities and basic requirements for memberships

Prerequisite: Students are placed in this course upon audition and recommendation of the Choir Director. *Please Note:* Course will have honors weighting of 1.05

STRING PROGRAM

STRING ORCHESTRA

8433

1 YEAR
1 CREDIT

String Orchestra is open to those students with the ability to perform intermediate string orchestra repertoire on the violin, viola, cello and/or bass. The repertoire encompasses the music from the baroque to the contemporary era, with an emphasis on the style and period of the work as well as overall musicianship. Beginning level students may register for independent study leading to membership in the String Orchestra and Symphonic Orchestra program with permission from the instructor. The string orchestra student automatically becomes a member of the symphonic orchestra. Woodwind, brass and percussion players are selected by the Band Director. The Orchestra performs at community concerts, district-wide concerts, all-district programs, in the school musicals and with guest conductors and visiting artists. Small ensembles are organized for performing purposes. String students may be selected for All-State orchestra, Long Island String Festival orchestra, and All-County orchestra by virtue of their NYSSMA rating and a recommendation of their teacher.

- All String Orchestra members will be required to have one lab session in every six day cycle.
- A statement of agreement must be signed by string orchestra members and their parents. This statement lists performance responsibilities and basic requirements for membership.

Prerequisite: Membership in 8th grade Middle School orchestra program or permission District Director of Art and Music.

CHAMBER ORCHESTRA H

8433 H

1 YEAR
1 CREDIT

This is an advanced music-performing ensemble. Chamber Orchestra provides advanced level string players the opportunity to explore extended chamber music literature. Through regular rehearsal and concerts, members of the orchestra will broaden their technical, musical and ensemble performance skills. Members are expected to attend all rehearsals and performances and develop skills as needed. The grading policy and rubric will be that of an honors level course.

- All Chamber Orchestra members will be required to have one lab session in every 6 day cycle.
- A statement of agreement must be signed by members and their parents. This statement list performance responsibilities and basic requirements for memberships

Prerequisite: Students are placed in this course upon audition and recommendation of the Orchestra Director. *Please Note:* Course will have honors weighting of 1.05

BAND PROGRAM

CONCERT BAND

8441

1 YEAR
1 CREDIT

The purpose of this course is to provide appropriate wind band performance opportunities in an educational environment. Through regular rehearsals and concerts members will broaden their technical, musical and ensemble abilities, as well as explore well-known music for this medium. Members of this class are expected to attend all rehearsals and performances and develop skills as needed.

- Any student who is a member of any band is required to be a member of the combined marching band, must attend marching band performances, and attend one music lesson per six-day cycle.
- A statement of agreement must be signed by all band members and their parents. This statement lists performance responsibilities and basic requirements for membership.

Prerequisite: Membership in the 8th Grade Middle School Band Program or the permission of the District Director of Art and Music.

WIND ENSEMBLE H

8434H

1 YEAR
1 CREDIT

This honors level course is an advanced music-performing ensemble. Wind Ensemble provides an advanced level of wind band performance opportunities in an educational environment. Through regular rehearsals and concerts, members will broaden their technical, musical and ensemble abilities, as well as explore well-known music for this medium. Members of this class are expected to attend all rehearsals and performances and develop skills as needed. The grading policy and rubric will be that of an honors level course.

- Any student who is a member of any band is required to be a member of the combined Marching Band, must attend Marching Band performance, and attend one music lesson per cycle. s will be required to have one lab session in every 6 day cycle.
- A statement of agreement must be signed by all Band members and their parents. This statement list performance responsibilities and basic requirements for memberships

Prerequisite: Students are placed in this course upon audition and recommendation of the Band Director. *Please Note:* Course will have honors weighting of 1.05

MUSIC THEORY PROGRAM

MUSIC THEORY I

8451

YEAR
1 CREDIT

This course is designed for the serious music student. The sequence of instruction begins with the fundamentals of music, reading musical notation, construction of scales and rhythmic counting. It continues with interval and chord identification and harmonization of melodies.

Prerequisite: Recommendation of high school music teacher

Course offered in alternate years; offered 2022-2023.

AP MUSIC THEORY

8452

1 YEAR
1 CREDIT

This course is designed for the serious music student and includes the construction and identification of chords and the harmonization in four part writing. Music History, extensive dictation and ear training, along with harmonic analysis are also included. **This course fulfills the state requirement for a 5 unit sequence in music.**

Prerequisite: Successful completion of Theory I or equivalent, along with a teacher recommendation

Course offered in alternate years; offered 2023-2024.

APPLICANTS FOR AP MUSIC COURSES SHOULD NOTE THE FOLLOWING:

- Students who take AP courses **are required** to take the Advanced Placement Exam given in May;
- The 'AP' designation will be removed from official high school transcript if student does not fulfill the exam requirement;
- Hewlett High School cannot guarantee that students will receive advanced placement or credit at the college of their choice, regardless of how well they do on the AP exam or in the course since each college has its own requirements and procedures;
- Students should consult with college websites or check directly with the college for information concerning the policies and practices of each college.

BOCES CAREER AND TECHNICAL EDUCATION PROGRAM

Pupil Personnel Office
516-792-4123



OCCUPATIONAL EDUCATION PROGRAM

BOCES - Barry Tech programs provide students with the opportunity to combine academic coursework with hands-on career exploration and preparation. Barry Tech educates students with specific occupational and technical skills. Each year students earn four credits towards their Regents or Advanced Regents Diploma. Some programs include embedded credits that may also fulfill graduation requirements. In addition, many colleges grant Barry Tech graduates college credit or advanced standing.

Barry Tech can play an important part in shaping future plans. It's important to visit the facility, located in Westbury. Hewlett sponsors a fieldtrip for prospective students in mid-February. Please see your school counselor if interested in attending the trip.

An application is required, and course grades and attendance are part of the evaluation process. All Applications to BOCES Programs must be completed by **March 1st.** Applications submitted after March 1st will be considered only if space is available.

Animal Care
Animal Care Skills
Animation and Digital Media Design
Animation and Digital Media Design Skills
Audio Production
Auto Collision Technician
Auto Skills
Automotive Technology
Aviation Operations
Barbering Technician
Carpentry
Child Care Skills
Computer Game Design and Programming
Computer Game Design & Programming Skills
Computer Technology
Construction Electricity
Construction Trades
Construction Trades Skills
Cosmetology
Culinary Arts
Culinary Arts Skills

Dental Assisting
Early Childhood Education
Emergency Medical Technician
Fashion Design Technology
Fashion Skills Technology
Health Care Skills
Horse Science and Management
Horse Science and Management Skills
Medical Assisting
Network Cabling Technician/Home Technology
Nurse Assisting
Office Assistant Skills
Personal Training & Exercise Medicine
Physical Therapy Aide & Rehabilitation Medicine
HVAC/Plumbing
Police Science and Criminal Justice
Power Sports and Engine Repair
Retail Skills
Veterinary Science
Video Production and Digital Film Making
Welding

[Click here to view detailed course descriptions](#)

PHYSICAL EDUCATION AND HEALTH
Mr. David Viegas, District Director

dviegas@hewlett-woodmere.net
516-792-4021



TOPICS TO BE COVERED

Badminton	Golf	Pickleball	Swimming
Basketball	Handball	Ping Pong	Team Handball
Floor Hockey	Indoor Soccer	Self Defense	Tennis
Fitness	Jogging	Soccer	Touch Football
Fitness Lab	Lifesaving	Softball	Track and Field
		Speedball	Volleyball
			Weight Training
			Yoga

PE 9-10

9910

1 YEAR

.5 CREDIT

The physical education program offers instruction in individual, team, co-educational and lifetime activities. The emphasis of the program is the development of skills, knowledge and understanding of sports concepts. The students shall meet every other day of the six day cycle. They shall be provided with a lab experience in fitness & wellness. **Freshmen & Sophomore girls and boys are required to complete one unit of swim as a graduation prerequisite.**

SWIMMING

Ninth and tenth grade students are given a basic skills swimming evaluation to determine placement in swim class according to the following categories: beginner, intermediate and advanced swimming. Students in the beginner swim class will receive instruction at a level and pace suitable to their abilities.

In the intermediate and advanced swimming class, the following skills and techniques are addressed:

Competitive and survival strokes
Stroke efficiency
Correct breathing patterns

Elements of workout design
Technical swimming drills
Stroke targeting

The goal is to refine the strokes so participants are able to swim with ease, confidence, efficiency, power and smoothness, and over greater distances.

Water games held during the swim classes add to Hewlett High School's swim program. Students are encouraged to continue participation in our swim program throughout their high school years.

NOTE: *Swimming is a required component in Physical Education*

Swim Policy

This policy applies to students in grades 10 thru 12 who have not passed the complete required swim curriculum but **have attended one unit (semester) of swimming.**

POLICY: Students in grades 10-12 who have not completed the entire required swim curriculum but have attended one unit (semester) of swimming must participate in a swim class the following year(s) based upon scheduling availability in order to complete the required swimming curriculum.

Swim Policy for New Student Entrants:

- New 11/12 grade students entering Hewlett H.S. will be required to pass the Physical Education Department swim skills curriculum by attending at least one unit (semester) of swim.
- Incoming 9/10 grade students are required to complete one unit (semester) of swim in 9th grade and one unit (semester) of swim in 10th grade in order to meet their graduation requirements.
- **Information for 9th & 10th grade swim instruction classes outlining the procedures for testing out can be found on the school district website at: www.hwbulldogs.com.**

PE 11-12

9912

1 YEAR

.5 CREDIT

The physical education program consists of a wide range of activities geared to meet the varied needs, interests and skill levels of the student body. The students are expected to demonstrate an ability to interact athletically and socially within the class structure. The students shall meet every other day of the six day cycle. This rotation will give the students an increased opportunity for instruction. Written diagnostic tests, written culminating unit tests and physical skills tests will be required course work.

PHYSICAL EDUCATION ELECTIVES**YOGA AND WELLNESS 1**

9930

1 YEAR

5 CREDIT

This course is recommended for first time students to begin their journey into yoga. Emphasis will be placed on basic poses (asanas) that will be practiced in class as well as breathing practices (pranayama) and meditation techniques. Each class integrates arm strengthening, beginning arm balancing techniques, and core strengthening into a basic practice. A variety of yoga styles will be taught from Astanga to restorative yoga; guided breathing and visualization will be taught to enhance the depth and quality of relaxation and meditation. Along with yoga, topics of wellness will be introduced such as, sleep, nutrition, water, sugar, and gratitude. Educational material and class assignments will be given to increase students' knowledge of yoga and wellness and to improve overall quality of life. **Enrollment guideline:** Junior and Senior Status

YOGA AND WELLNESS 2

9931

1 YEAR

.5 CREDIT

This course promotes the psychological-physical integration of body and mind through yoga asanas and pranayama. Emphasis will be placed on proper body alignment, focus, and concentration while progressively building upon prior yoga postures and knowledge. Students will see improvements in themselves and their bodies including more flexibility, greater strength, improved posture, and an overall better sense of well-being and health. Creative, dynamic, and challenging yoga postures will be taught, including head stand, hand stand, and intermediate/advanced arm balances. Monthly topics to complement our yoga practice will be taught– sleep, real vs. myth in media, positive thinking, happiness, and designing your own fitness plan to include all fitness components: muscular strength, muscular endurance, flexibility, and body composition.

Prerequisite: Successful completion of Yoga and Wellness 1

L.I.F.T

9913

1 YEAR

.5 CREDIT

The LIFT (Lifetime Individual Fitness Training) course is an opportunity to teach our grade 11-12 students a basic exercise science curriculum. The aim of the course will be to promote individual well-being, apply solutions to health related physical inactivity, and how to expand capacity for enhanced sports and fitness performance.

Enrollment Guidelines: Junior or Senior Status

LIFESAVING

9940

1 YEAR

.5 CREDIT

This course provides students with the skills and knowledge necessary to keep patrons of aquatic facilities safe in and around the water. The primary purpose of this course is to give students the skills and knowledge to prevent, recognize, and respond to emergencies and to provide care for injuries and sudden illnesses until advanced medical personnel arrive. The program includes a lifeguard training course with first aid, CPR and AED certifications. This course is offered through the **American Red Cross (LGT) Lifeguard Training Program**, therefore adhering to the guidelines and policies set forth by the LGT program.

Suggested Grade Level: Juniors and Seniors Status

Requirement: Successfully pass a pretest which includes a 300 yard swim demonstrating breathing control and rhythmic breathing. Freestyle and breast stroke may be used to complete the 300 yards. You may not swim on your back or side. Tread water for 2 minutes using only your legs. Hands should be placed in armpits.

Complete a timed swim event within 1 minute and 40 seconds which includes:

- Swim 20 yards, no goggles, surface dive to retrieve a 10 pound brick from 10 feet of water; return to surface and swim on your back to the starting point with both hands on the brick and face at or near surface of water.
- Exit the water without using a ladder or steps.

Participants must get the required book and materials for the course as well as pay the Red Cross fee for the certification.

ADAPTIVE PHYSICAL EDUCATION

9902A

An adaptive physical education program is provided for students with handicapping conditions, for those recuperating from injuries, accidents, or short term illnesses who are fit to attend school. Activities are selected and adapted to meet the needs, abilities and limitations of each student. Students who are medically excused may be given written assignments to complete. Written assignments will be determined by the Physical Education teacher. Students who cannot participate in their regular instructional program are required to attend this modified/adapted program.

PHYSICAL EDUCATION LEADERS CORPS

The Physical Education Leaders Corps is a service organization. The purpose of the Leaders is to provide assistance and develop leadership qualities within the Physical Education Program. Student members have the opportunity to assist:

- Physical Education teachers in the district with their regularly scheduled classes and programs.
- In the preparation and organization of the Hewlett High School Athletic Awards Night.
- In the district intramural and extra-mural programs.
- In school and community functions.

This assistance is credited towards their regularly scheduled physical education class. The Leaders are under the direction of the supervising Physical Education teacher as well as their advisor. Leaders will receive instruction in their area of responsibility. Responsibilities of these Leaders will include: Locker Room Management; Safety Procedures; Class Organization; Equipment; Instruction. Students within the Corps are required to attend announced meetings. At these meetings each Leader will have the opportunity to share experiences and expertise with the group. Specific instruction will be given in each Leader's area of participation.

Physical Education Leaders are expected to set an example of high standards of behavior in the school and community.

Prerequisite: Eleventh grade students with exemplary physical education credentials will be considered for membership. All applicants will be reviewed by the physical education staff under the direction of Mr. Viegas and the Leader Club faculty advisor.

HEALTH PROGRAM

HEALTH

9980

1/2 YEAR

.5 CREDIT

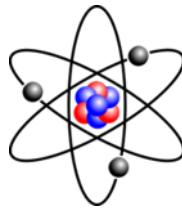
All students are required to take Health because you have only one body! Thus, this course is designed to help each student understand his/her body and good health components. Class time will be devoted to topics such as nutrition, drugs, mental health, alcohol, tobacco, sex education, AIDS, stress management, family life and human behavior. These topics are studied via readings, guest speakers, videos and class discussion.

Passing Health is a requirement for receipt of a high school diploma in New York State.

Suggested Grade Level: *Sophomore Status*

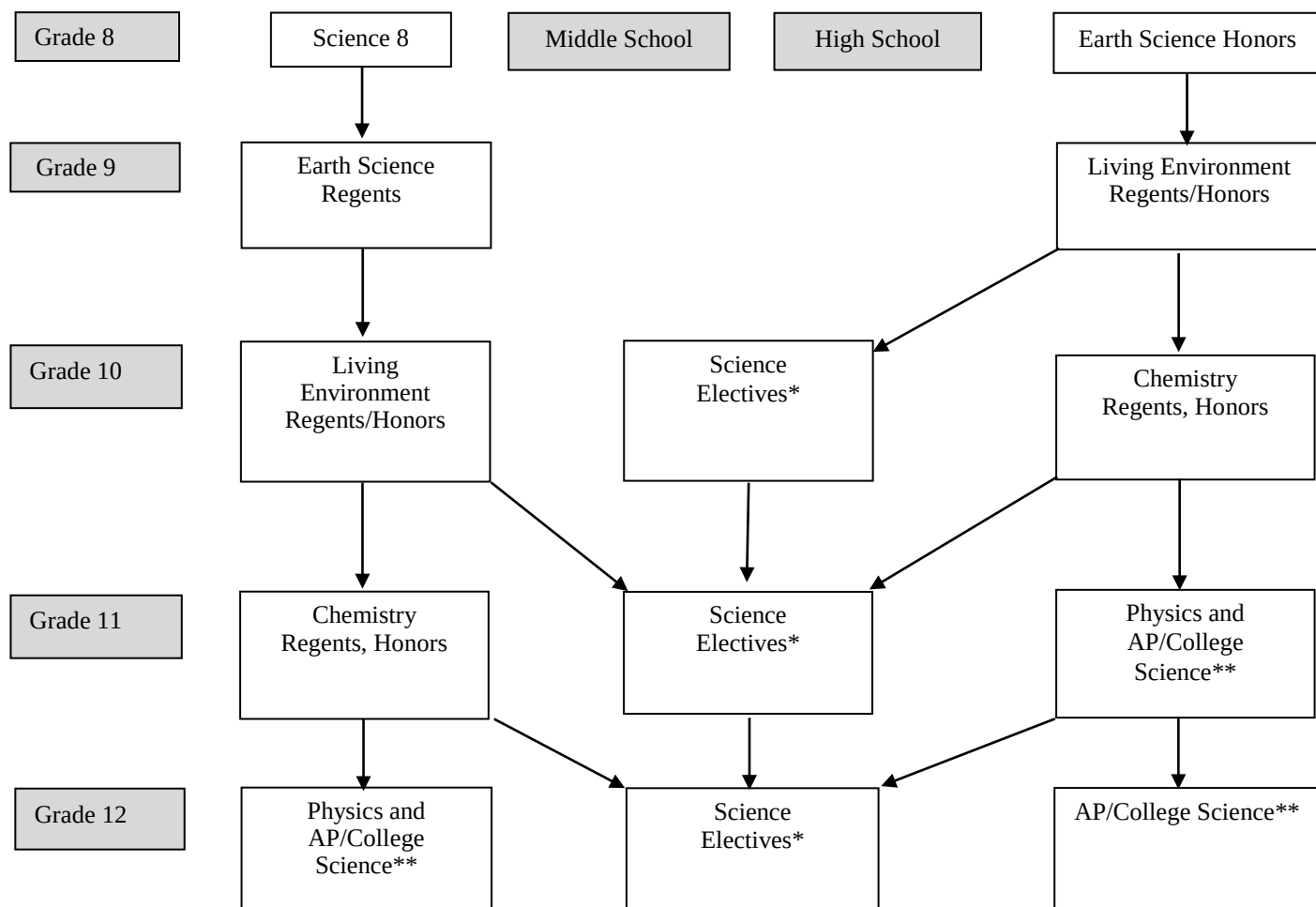
SCIENCE DEPARTMENT
Dr. Brian H. Terry, District Chairperson

bterry@hewlett-woodmere.net
516-792-4115 (HS)
516-792-4382 (MS)

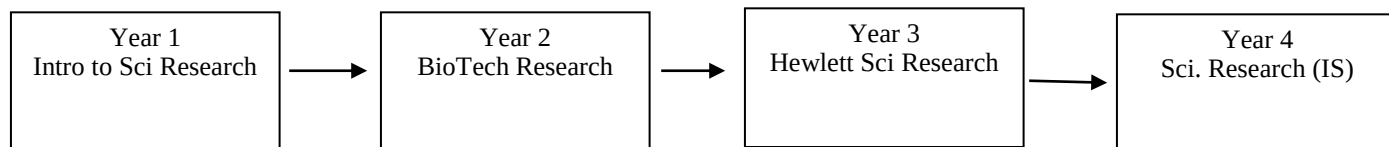


G.W. HEWLETT HIGH SCHOOL

SCIENCE DEPARTMENT



Science Research



***Science Electives:**

Astronomy, Environmental Science, Chemistry,
Marine Biology, Science in Society

****Advanced Placement Science Courses:**

Biology, Chemistry, Environmental Science, Physics 1, Physics 2,
Physics C

College Level Science Courses:

Forensic Science (Syracuse University Project Advance: SUPA)
Exploration of Space (State University of New York at Albany)
Human Anatomy and Physiology (Long Island University)

Science courses offered to George W. Hewlett High School students follow the New York State (NYS) Core Curriculum and provide students with the fundamental concepts and content knowledge in Earth science, biology, chemistry and physics. Students wishing to pursue a career in the sciences should speak with their science teacher before deciding on their science selections. As a general guideline, students should follow this recommended course sequence:

Physical Setting: Earth Science
Living Environment (Biology)
Physical Setting: Chemistry
Physical Setting: Physics
AP/College Science Course

Content of Honors Courses in Science

All honors-level science courses cover additional topics that are not in the NYS core curriculum. Parents and students should consider the demands of the Honors courses and the readiness level and commitment of the student. Any student who seeks the additional challenge of an Honors or AP class will have the opportunity to do so. However, the student must have taken the prerequisites for the course in which they wish to enroll. Please consult your current science teacher before making a decision.

LABORATORY REQUIREMENT (for courses that culminate in a Regents Exam)

For admission to a Regents examination in science, a student must complete the State-mandated laboratory requirement. The laboratory component must be provided in addition to the required classroom instruction associated with earning a unit of credit and must include 1200 minutes of hands-on laboratory with satisfactory laboratory reports. Laboratory reports must be kept on file for at least six months after the student takes a Regents examination in science (<http://www.p12.nysed.gov/part100/pages/policyqascience.html>)

EARTH SCIENCE R: THE PHYSICAL SETTING

4409

1 YEAR

1 CREDIT

Earth Science is a comprehensive problem solving course concerned with the manipulation of both materials and data. It is an integrated study of the Earth's history, composition, and structure, its atmosphere and oceans, and its environment in space. The course stresses problem solving, scientific thinking and basic skill building. The Regents Examination in Physical Setting: Earth Science will be administered in June.

TEAM 9 EARTH SCIENCE R

4409T/4409TL

1 YEAR

1 CREDIT

Team Earth Science is a Regents level course that provides a broad understanding of the fundamental principles of Earth Science. This course aligns with the Earth Science Core Curriculum (commencement level) outlined by the New York State Department of Education. Areas of exploration include: Earth's changing environment, measuring Earth, astronomy, energy in Earth processes, climate, weather, erosion, geology, meteorology, and landscape development. Regular lab work is a required part of the class. Throughout the course students will be exposed to the vocabulary needed to be successful on the Earth Science Regents. Improving reading and writing skills will be stressed throughout the course. The Regents Examination in Earth Science will be administered in June.

Enrollment Guideline: Teacher/counselor recommendation

TEAM 10 LIVING ENVIRONMENT R

4410T/4310TL

1 YEAR
1 CREDIT

Team Living Environment is a Regents level course that provides a broad understanding of the fundamental principles of biology. The curriculum consists of a basic core of twelve units. Areas of exploration include: human anatomy and physiology, botany, zoology, genetics, ecology, and evolution. Regular lab work is a required part of the class. Throughout the course, students will be exposed to the vocabulary needed to be successful on the Living Environment Regents. Improving reading and writing skills will be stressed throughout the course. The Regents Examination in Living Environment will be administered in June.

Enrollment Guideline: Teacher/counselor recommendation

LIVING ENVIRONMENT R

4410

1 YEAR
1 CREDIT

The course is designed to provide a broad understanding of the fundamental principles of biology with emphasis on the NYS core concepts. The basic core consists of eight units: introduction to inquiry and the scientific method; organization and maintenance; dynamic equilibrium; reproduction and development; genetics; evolution; and ecology and human impact. This is a laboratory-orientated course and culminates with the Regents examination.

Enrollment Guidelines: Successful completion of Algebra 1 and Earth Science

LIVING ENVIRONMENT H

4410H

1 YEAR
1 CREDIT

This course is designed to provide students with an in-depth understanding of fundamental biological principles and concepts. It consists of selected, extended areas of biology including biochemistry and genetics. The extended areas will stress independent and collaborative work involving laboratory activities and group discussions. Additional topics may include phylogeny, genetic expression and trait linkage, photosynthetic reactions, cellular metabolic pathways, and mechanisms of plant reproduction. Other possible assessments may include creative projects, position papers, book reviews, and independent laboratory experiments. These students will take the Living Environment Regents Examination in June.

Enrollment Guidelines: 90+ average in Algebra 1, English, Earth Science

CHEMISTRY

4411NR

1 YEAR
1 CREDIT

This introductory level course will expose the students to the basic principles of chemistry and their relationships to everyday life. Equal emphasis will be placed on the study of fundamental chemistry and on its applications to issues such as fossil fuels, food chemistry, the chemistry of batteries, nuclear energy, modern materials, and other topics as time permits. Suitable laboratory activities will be used to demonstrate both chemical principles and related applications.

NOTE: This course is not intended to prepare students for the Regents Examination in Physical Setting/Chemistry.

Prerequisite: Successful completion of Earth Science and Living Environment

CHEMISTRY R - THE PHYSICAL SETTING

4411

1 YEAR
CREDIT

This is a laboratory-oriented course developed in accordance with the New York State Core Curriculum using theory and fundamental mathematical skills. It deals with the interrelationships between matter and energy, with the emphasis on matter. Appropriate laboratory experiences are designed to enhance students' understanding of basic chemical principles. Core topics include: atomic concepts, Periodic Table, moles/stoichiometry, chemical bonding, physical behavior of matter, kinetics/equilibrium, organic chemistry, oxidation-reduction, acids and bases, and nuclear

chemistry. Many laboratory exercises are quantitative in nature and are designed to familiarize the student with the techniques and apparatus used in chemistry labs. The Regents Examination in Physical Setting: Chemistry will be administered in June.

Prerequisite: Successful completion of Algebra 1, Earth Science and Living Environment

Enrollment Guidelines: 80+ average in English, Algebra 1, Geometry and Science courses

CHEMISTRY H - THE PHYSICAL SETTING

1 YEAR

4411H

1 CREDIT

This course covers the material in the New York State Physical Setting: Chemistry Core and the extended units necessary to take the College Board SAT II exam and the AP Chemistry course. It stresses a laboratory approach. Laboratory experiments require broader skills and more extensive analyses that show their creative as well as their scientific skills. The course work stresses independent thought and work. Chemistry H deals with the structure and composition of matter and its properties. Topics include: atomic structure, chemical bonding, ionization, electrochemistry and an introduction to organic chemistry. Some additional concepts covered include Hund's Rule, Ideal Gas Law, VSPER Model, Hess' Law, and calculating pH values. Many laboratory exercises are quantitative in nature and are designed to familiarize the student with the techniques and apparatus used in chemistry labs. Students are encouraged to take the College Board SAT Chemistry Subject Test and will take the Regents exam in June.

Prerequisite: Successful completion of Algebra 1, Earth Science and Living Environment

Enrollment Guidelines: 92+ average in English, Algebra 1, Geometry, and Science courses

PHYSICS R - THE PHYSICAL SETTING

1 YEAR

4412

1 CREDIT

This course examines the laws of physics from the subatomic through the cosmic levels. Inherent in this course is an appreciation for the discoveries of past scientists including Galileo, Kepler, Newton, Faraday, Curie, and Einstein. The course covers five major topics: mechanics, energy, wave phenomena, electricity and magnetism, and modern physics. This course reviews all the math skills needed by the students to be successful in physics and enjoy the course. The course terminates with the Regents exam. The Regents Examination in Physical Setting: Physics will be administered in June.

Prerequisite: Successful completion of three years of Regents/Honors level Science, Algebra 1 and Geometry.

Enrollment Guidelines: 80+ average in English, Algebra 1, Geometry, and Science courses

ADVANCED PLACEMENT/COLLEGE LEVEL COURSE DESCRIPTIONS

Students should have successfully completed at least **three** Regents Level sciences. Some seniors may opt to take two science AP electives. It is strongly recommended that interested students should consult with a guidance counselor, a science teacher, and their parents before they enroll in any advanced placement course. The student must take the prerequisites prior to enrolling in any course offered. The curriculum for all AP Science Courses follows guidelines established by the AP College Board (www.collegeboard.com).

AP BIOLOGY

1 YEAR

4410A

1 CREDIT

The AP Biology course is designed to be taken by students after the successful completion of a first course in high school biology and one in high school chemistry. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. The ongoing information explosion in biology makes these goals even more challenging. Primary emphasis in an Advanced Placement Biology course should be on developing an understanding of concepts rather than on memorizing terms and technical details. Essential to this

conceptual understanding are the following: a grasp of science as a process rather than as an accumulation of facts; personal experience in scientific inquiry; recognition of unifying themes that integrate the major topics of biology; and application of biological knowledge and critical thinking to environmental and social concerns. All students must sit for the AP Exam in May.

Prerequisite: Successful completion of three years of Regent/Honors level science (one of the years must be Living Environment Regents or Honors) and at least two years of mathematics courses that culminate with a Regents exam.

Enrollment Guidelines: 90+ average in English, mathematics and science courses.

AP CHEMISTRY

4411A

1 YEAR

1 CREDIT

Advanced Placement Chemistry is offered to 11th & 12th grade students who have taken Regents or Honors Chemistry and who wish to continue for an additional year of advanced study. The course is designed as a first level college course in general chemistry. Students in such a course should attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course should contribute to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. The college course in general chemistry differs qualitatively from the usual first secondary school course in chemistry with respect to the kind of textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulation of principals, and the kind of laboratory work done by students. Quantitative differences appear in the number of topics treated, the time spent on the course by students, and the nature and the variety of experiments done in the laboratory. The importance of the theoretical aspects of chemistry has brought about an increasing emphasis on these aspects of the content of general chemistry courses. Topics such as the structure matter, kinetic theory of gases, chemical equilibria, chemical kinetics and the basic concepts of thermodynamics are now being presented in considerable depth. All students must sit for the AP Exam in May.

Prerequisite: Successful completion of three years of Regent/Honors level science (one of the years must be Chemistry Regents or Honors) and at least two years of mathematics courses that culminate with a Regents exam.

Enrollment Guidelines: 90+ average in English, mathematics and science courses (with the exception of Chemistry Honors/85+)

AP PHYSICS 1

4412A

1 YEAR

1 CREDIT

AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. Although the Physics 1 course includes basic use of trigonometric functions, this understanding can be gained either in the concurrent math course or in the AP Physics 1 course itself. All students must sit for the AP Physics 1 Exam in May.

Prerequisite: Successful completion of three years of Regents/Honors level science and at least two years of mathematics courses culminating in a Regents examination

Enrollment Guidelines: 85+ average in English, mathematics and science courses. This course might not be accepted for credit for the college freshmen level physics courses required for physics, chemistry or engineering majors.

AP PHYSICS 2

4413A

1 YEAR

1 CREDIT

AP Physics 2 is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and

probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Twenty-five percent of instructional time is devoted to hands-on laboratory work with an emphasis on inquiry-based investigations. Investigations will require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. All students must sit for AP Physics 2 exam in May.

Prerequisite: Successful completion of three years of Regents/Honors level science and at least two years of math courses that culminate in a Regents exam. *This course may not be accepted for credit for the college freshman level physics courses required for physics, chemistry or engineering majors*

AP PHYSICS C

4414A

1 YEAR

1 CREDIT

AP Physics C course is equivalent to a calculus-based, college-level physics course. It is especially appropriate for students planning to specialize or major in a physical science (physics, chemistry) or engineering. During the first semester, the course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. The second semester explores topics such as electrostatics; conductors, capacitors and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course. The Physics C course also includes a hands-on laboratory component and the students will spend a minimum of 20 percent of instructional time engaged in hands-on laboratory work. All students must sit for both Physics C AP Exams (Mechanics and Electricity & Magnetism) in May.

Prerequisite: Successful completion of Regents Physics or AP Physics 1. **Corequisite:** Calculus

Enrollment Guidelines: 90+ average in ELA, math, science courses and state assessments

AP ENVIRONMENTAL SCIENCE

4465A

1 YEAR

1 CREDIT

The AP Environmental Science course is an interdisciplinary experience which embraces a wide variety of topics from different areas of environmental study. This exciting course is for students interested in gaining an understanding of the scientific principles underlying the Earth's natural ecosystems and the implications of human impact on these ecosystems. This course includes a strong laboratory and field investigation component. Students learn about the environment through first hand observation. These diverse experiments provide students with important and enjoyable opportunities to test concepts and principles that are introduced in the classroom. Students acquire skills in techniques such as water sample analysis, investigating global temperature changes, and human population dynamics through data analysis. All students must sit for the AP Exam in May.

Enrollment Guidelines: Mastery of 3 Regents/Honors Science courses

COLLEGE FORENSICS

(Syracuse University Project Advance)

4430C

1 YEAR

1 CREDIT

4 COLLEGE CREDITS

This is the equivalent of a college level forensic science course offered at Syracuse University. This course is intended to provide an introduction to understanding the science behind crime detection. The course topics are drawn from the fields of Chemistry, Physical Science, and Biology with an emphasis on Chemistry. The laboratory exercises will include techniques commonly employed in forensic investigations. Examples of topics include fingerprinting, examining blood splatter, and hair/fiber comparisons. The course will be especially valid for those interested in a career in Law Enforcement or Criminal Justice. Credit may be earned from Syracuse University by paying tuition at the currently established rate.

Prerequisite: Successful completion of three years of Regent/Honors level science and at least two years of mathematics courses that culminate with a Regents exam

Enrollment Guidelines: 85+ average in English, Math and Science courses

COLLEGE EXPLORATION OF SPACE

4260C

1 YEAR

.5 CREDIT

ALT DAY

This college-level course, offered in conjunction with SUNY Albany, allows students to study the fundamental physical principles governing, and the history and possible future of, human activities in space. Specific topics to be studied will include the physics of space travel, The Apollo Era, The Shuttle Era, and unmanned exploration. Upon registration with the SUNY at Albany and payment of a \$150 course fee (subject to increase), students who pass Exploration of Space will receive a SUNY transcript showing 3 credits earned for Physics 103.

Prerequisite: Successful completion of three years of science courses (two at Regents/Honors level)

COLLEGE ANATOMY & PHYSIOLOGY

4261C

1 YEAR

1 CREDIT

This course, offered in conjunction with LIU Post, covers the structure and function of the human body, including basic biochemistry, cell structure, cell division, cell respiration, tissue composition, genetics, and the body's organ systems in detail including the musculoskeletal, cardiovascular, lymphatic, immune, respiratory, excretory, digestive, and reproductive systems. Relevant dissection, histological studies, and physiology are all featured in the laboratories. The course will be especially valid for those interested in a career in the health fields. Eight college credits may be earned from Long Island University (LIU) by paying tuition at the currently established rate.

Prerequisite: Successful completion of three years of Regent/Honors level science and at least two years of math courses that culminate in a Regents exam

Enrollment Guidelines: 85+ average in English, math and science courses

ELECTIVE COURSES

Students are required to take three credits of science and pass one science Regents examination in order to earn the minimum requirements for a Regents diploma. The Business Department offers some computer courses to substitute as a science credit.

ENVIRONMENTAL SCIENCE

4465

1 YEAR

1 CREDIT

This course is to investigate the role of humans in their environment. Students develop a knowledge base about their biological and physical environment. This information leads to exploration of human dependence on, technological control over, and interactions with the environment. Emphasis is placed on sustaining resources and making informed choices concerning environmental issues.

SCIENCE IN SOCIETY

4456

1 YEAR

1 CREDIT

Science in Society is designed to promote scientific literacy in relation to topics of general public interest including environmental issues, nuclear technology, food, nutrition, & health, consumer and medical issues. The course will incorporate hands-on technology in certain specific topics. Equal emphasis will be placed on both the study of course content and the development of writing, critical reading and research skills.

ASTRONOMY

4250

1/2 YEAR

.5 CREDIT

Astronomy is designed to increase students' awareness of Earth's place in the cosmos and of how the Earth and the universe came into being. Students will make scientific observations of the night sky. This course will also touch on the past, present, and future of man's exploration of space. Astronomy will make use of the vast amount of information available through the Internet such as NASA resources and pictures from the Hubble Space Telescope. It is anticipated that this course

will have the use of a portable planetarium system to make the course “come alive” to students.

Prerequisite: Successful completion of Earth Science R

MARINE BIOLOGY

4240

1/2 YEAR

.5 CREDIT

Marine Biology represents man’s last frontier on Earth. This course includes a study of the adaptations of marine organisms to major marine habitats. The habitats discussed include the rocky intertidal zone, our own estuarine system (L.I. Sound, the Coral Reef System, and salt marshes.) Laboratory work using live and preserved marine organisms and field trips will illustrate adaptations and provide a phylogenetic approach to the understanding of the evolution of these marine organisms. Students will be involved with the Willow Pond duck pond as an outdoor living laboratory. The course requires independent study, laboratory experiments, fieldwork, and a marine science project. Dissections are a significant part of this course. It is recommended that students who object to dissections pursue other courses.

Prerequisites: Successful completion of Living Environment R/H

Enrollment Guideline: 70+ average in all science courses

SCIENCE RESEARCH PROGRAM

The Science Research Program is a four-year program in which students choose a topic and carry out an original research project on that topic. This is usually extended through the end of their junior year. The time commitment required is during the summer months and / or after school throughout the years. The student does all that professional researchers do, from journal readings to finding a mentor, planning a project, and carrying it out to an appropriate research conclusion. As the work progresses, the student writes research papers, creates posters, and presents research findings at available competitions and symposia as determined by the instructor. *The following is the recommended sequence of Science Research course electives:*

INTRODUCTION TO SCIENCE RESEARCH –Year 1

4480

1 YEAR

1 CREDIT

This course will introduce students to some basic methodologies of research. This course is intended to prepare students for science research undertaken through high school or research internships outside of high school. Students will be required to read and analyze research journals, and design and conduct experiments. Students will compose research reports that can be submitted to various science competitions e.g. *Toshiba Exploravision*, *Nassau County Science Competition*, etc. This class meets daily and is open to approved freshmen and sophomores who have successfully completed or are currently enrolled in Living Environment H.

Co-requisite: Living Environment H.

Enrollment Guidelines: 90+ average in English, Math and Science courses

BIOTECHNOLOGY RESEARCH H – Year 2

4470H

1 YEAR

1 CREDIT

This class continues from the Introduction to Research. Class focuses primarily on biochemistry and molecular biology. Students will learn techniques such as micro pipetting, DNA and RNA isolation, agarose gel electrophoresis, restriction endonuclease digestion, bacterial transformation, Polymerase Chain Reaction (PCR), Enzyme-Linked Immuno Sorbent Assay (ELISA), etc. Students are required to read and analyze research journals, design and conduct experiments. Students will compose research reports that can be submitted to science competitions. Students can participate in *Nassau County Science Competition* or *Long Island Science Congress*.

Prerequisite: Successful completion of Living Environment Honors, Introduction to Science Research and recommendation of the Science Chairperson and/or the Research Coordinator

Co-requisite: Chemistry H

HEWLETT SCIENCE RESEARCH H—Year 3

4484H

1 YEAR

1 CREDIT

This class continues the Biotechnology class. Only selected students from the Biotechnology Class are permitted. Students are selected according to their performance in the Biotechnology Class and the availability or development of research projects. Students will continue to work on these projects that will be submitted to such competitions as Long Island Science Congress (LISC), Long Island Science and Engineering Fair (LISEF), and the Siemens Competition.

Prerequisites: Successful completion of Introduction to Research and Biotechnology. Students selected must meet with the research teacher to complete a research plan before the class begins (summer assignment). Moreover, these students are required to conduct a literature review of the assigned topic and write a research report

INDEPENDENT STUDY IN SCIENCE RESEARCH

4483, 4485

1 YEAR

.5 CREDIT

This course is developed for students who have completed research projects and are preparing their projects for submission to science competitions e.g. Intel STS, Intel ISEF, Siemens, Junior Science and Humanities Symposium (JSHS), Long Island Science Congress (LISC), etc. Students must have completed research studies (either in school or from outside placement) in order to enroll in this class. Students are required to work with the research teacher on a regular basis, prepare their research projects according to the requirements of the various competitions, and present their research projects to these major competitions.

Prerequisites: Successful completion of Introduction to Science Research (4480) and Biotechnology Research (4470H) or approval of the Science Chairperson

APPLICANTS FOR AP SCIENCE COURSES SHOULD NOTE THE FOLLOWING:

- Students who take AP courses **are required** to take the Advanced Placement Exam given in May;
- The 'AP' designation will be removed from official high school transcript if student does not fulfill the exam requirement;
- Hewlett High School cannot guarantee that students will receive advanced placement or credit at the college of their choice, regardless of how well they do on the AP exam or in the course since each college has its own requirements and procedures;
- Students should consult with college websites or check directly with the college for information concerning the policies and practices of each college.

The following Business courses may be used as a third credit of Science:

Computer Programming 1 & 2

Cisco IT Essentials H

See the Business Department section for full course descriptions

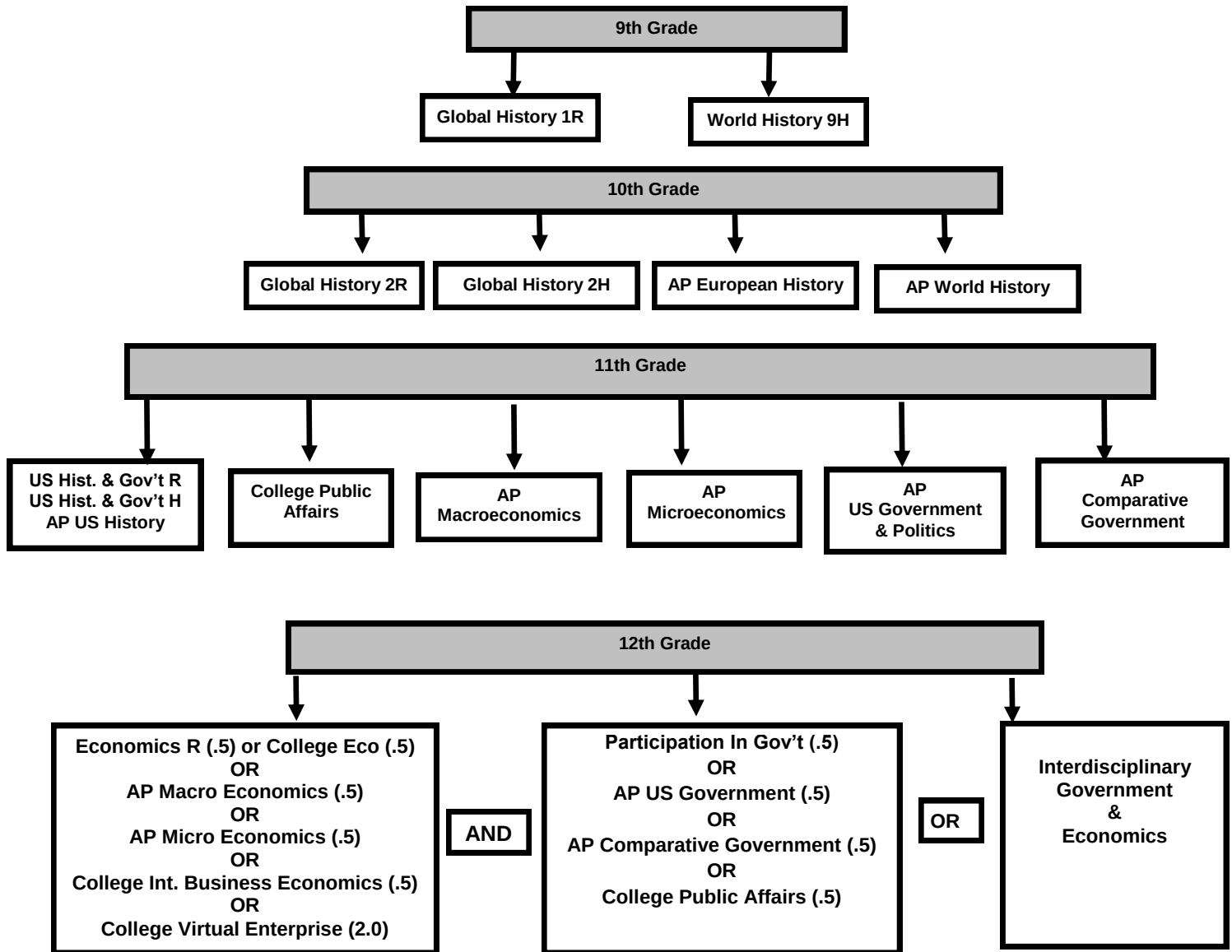
HISTORY AND THE
SOCIAL SCIENCES DEPARTMENT
Mr. John Wimmer, Chairperson

jwimmer@hewlett-woodmere.net
516-792-4052 (HS)
516-792-4382 (MS)



G.W. HEWLETT HIGH SCHOOL

SOCIAL STUDIES DEPARTMENT



ELECTIVE COURSES:

Sophomore status: Psychology

Junior/Senior Status: College Psychology, Child Developmental Psychology
College Sociology, Criminology, AP Capstone Research,
Social Science Research,
AP US Government, AP Comparative Government
AP Macro/Micro Economics

Social Studies is a broad-based field of knowledge that deals with human relationships. Whether studying history, economics or psychology, students gain an understanding of local, national and global issues. Through a process of inquiry, economic, social, geographic, historical and political conditions are explored through traditional and Internet research projects. Social Studies seeks to prepare students to think critically, become active citizens, develop an appreciation for their own culture and learn to function in an ever interdependent world.

GLOBAL HISTORY AND GEOGRAPHY 1R

2409

1 YEAR

1 CREDIT

This course is organized around the social studies standards of history, geography, economics and civics in a chronological fashion. Major units will include an introduction to the methods of social science, the study of ancient civilizations and the expanding zones of exchange and encounter. The course will help students see the connections between the regions of the world, past and current world events, and themes in a global context.

TEAM GLOBAL HISTORY AND GEOGRAPHY 1R + Lab

2409T/2409TL

1 YEAR

1 CREDIT

This course covers the same material as Global History 1R. Emphasis is placed on developing the skills necessary to prepare students to pass the Regents exam in Global History at the end of 10th grade. These skills include reading comprehension, essay writing, geographic literacy, computer skills, note taking, information gathering and working with documents, charts and graphs. Units of connected learning with English 9R/Lab will be part of this course. This course will have additional lab time provided to work on these skills.

WORLD HISTORY 9H

2408H

1 YEAR

1 CREDIT

This course is designed to prepare 9th grade students for the challenges of Global History 2H as well as AP programs in World History and European History. This course satisfies the NYS Global History and Geography 1 requirement and incorporates extensive reading and writing assignments. World History 9H will provide students with a thematic approach to the study of history by focusing on the time periods 10,000 BCE to 1750 C.E., examining the earliest humans through the Enlightenment. Students will learn to craft a historical argument from historical evidence and will develop skills in historical interpretation and synthesis.

Prerequisite: Successful completion of Grade 8 Social Studies and recommendation of eighth grade teachers

GLOBAL HISTORY AND GEOGRAPHY 2R

2410

1 YEAR

1 CREDIT

This required course is a continuation of the Global History 1R curriculum. It is organized around the social studies standards of history, geography, economics and civics and is presented in chronological fashion beginning in 1750. Major units will include the Industrial Revolution, the Age of Imperialism, the impact of nationalism, the World Wars of the 20th century and our globally interdependent world today. All students are expected to take and pass the New York State Regents Examination in Global History and Geography as a requisite for earning a high school diploma.

Prerequisite: Successful completion of Global History 1 or World History 9H

TEAM GLOBAL HISTORY AND GEOGRAPHY 2R + LAB

2310L

1 YEAR

1 CREDIT

This course aims to further develop skills that include reading comprehension, essay writing, geographic literacy, computer skills, note taking, information gathering and working with documents, charts and graphs. All students participate in a lab every other day to refine skills necessary to pass the New York State Regents Examination in Global History and Geography in tenth grade. Number of labs per cycle: 3

GLOBAL HISTORY AND GEOGRAPHY 2H

2410H

1 YEAR

1 CREDIT

This course covers the same material as Global History 2R. However, students will be expected to work independently and examine topics in greater depth. Students will be required to do various research projects and performance assessments. There will be opportunities to examine materials that are analytical in nature. All students are expected to take and pass the New York State Regents Examination in Global History and Geography as a requisite for earning a high school diploma. **Prerequisite:** Successful completion of Global History 1 or World History 9H

Suggested Guidelines: A minimum grade of 92 in 9th grade Social Studies; excellent skills in reading comprehension, analytical thinking and writing, plus teacher recommendation.

AP EUROPEAN HISTORY

2410A

1 YEAR

1 CREDIT

Advanced Placement European History is a college-level survey course that examines the political and diplomatic, intellectual and cultural, and social and economic history of Europe from the Renaissance to the present. Within a political framework, students will explore themes and concepts from the humanities and social sciences. Students will also assume the tasks of tracing change over time in their studies as well as contrasting the lives of elites and ordinary people. As an interdisciplinary study, students will pursue relevant readings in literature and use excerpts from standard literary classics to show how literature and art reflect dominant cultural values. A summer reading assignment is required. This course will have a midterm assessment. Students enrolled in Advanced Placement European History will be required to take the European History AP exam in May as well as the New York State Global History & Geography Regents Examination in June.

Prerequisite: Successful completion of Global History and Geography 1 or World History 9H

Suggested Guidelines: Teacher recommendation, excellent reading skills, and an enthusiastic approach to the study and challenges of history.

AP WORLD HISTORY

2408A

1 YEAR

1 CREDIT

Advanced Placement World History: Modern is a college-level survey course that focuses on developing students' ability to think conceptually about World History from 1200 CE to the present and apply historical thinking skills such as comparison, causation, and continuity and change. Students will focus on six major themes: humans and the environment, cultural development and interactions, governance, economic systems, social interactions and organization, and technology and innovation. AP World History: Modern encompasses the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania, with a special focus on historical developments and processes that cross multiple regions. A summer reading assignment is required. All Advanced Placement courses will be required to take the AP World History: Modern exam in May as well as the New York State Global History & Geography Regents Examination in June.

Prerequisite: Successful completion of Global or World History 1 or World History 9H

Suggested Guidelines: Teacher recommendation, excellent reading skills, and an enthusiastic approach to the study and challenges of history.

UNITED STATES HISTORY AND GOVERNMENT R

2411

1 YEAR

1 CREDIT

This course focuses on American history primarily after the Civil War. Emphasis is placed on geography, the writing of the Constitution and the framework of American government as well as American history. Major units include a survey of pre-Civil War history, American foreign policy, reform movements, social and economic change, and contemporary problems which confront the United States today. Students enrolled in United States History and Government R are required to take the New York State Regents Examination in U.S. History and Government as a requisite for graduation. **Prerequisite:** Successful completion of Global History and Geography 2

UNITED STATES HISTORY AND GOVERNMENT H

2411H

1 YEAR

1 CREDIT

This course covers the same material as United States History & Government R. However, students will be expected to work independently, do extensive research, and examine topics in greater depth and from multiple perspectives. There will be opportunities to examine materials that are more analytical in nature. Students enrolled in United States History and Government H are required to take the New York State Regents Examination in U.S. History and Government as a requisite for graduation. **Prerequisite:** Successful completion of Global History and Geography 2

Suggested Guidelines: A minimum grade of 92 in Global History 2, excellent skills in reading comprehension, analytical thinking and writing, plus teacher recommendation.

AP UNITED STATES HISTORY

2411A

1 YEAR

1 CREDIT

Advanced Placement US History is a college-level survey course in American political, economic and social history from colonial times to the present. Students are expected to read extensively in college-level texts, interpretative materials and primary sources. Classes are mainly conducted as seminars relating to significant topics in the reading assignments and from student independent study. Papers and examinations stress the techniques of analytical writing. A summer assignment will be part of this course. Advanced Placement US History fulfills the U.S. History & Government requirement. Students enrolled in Advanced Placement US History are required to take the US History AP exam in May as well as the New York State Regents Examination in US History and Government as a requisite for earning a high school diploma.

Prerequisite: Global History 2, AP European History or AP World History

Suggested Guidelines: Successful completion of AP European History or a minimum average of 92 in Global History 2, teacher recommendation, and superior skills in reading comprehension and writing.

NOTE: Both an **ECONOMICS** and **GOVERNMENT** course are required for graduation. Juniors are eligible to take AP Micro/Macro Economics and AP U.S. Government/Comparative Gov't.

ECONOMICS

2212

1/2 YEAR

.5 CREDIT

Economics is the study of how society solves the problems of scarcity and the distribution of goods and services. This course compares different economic systems including both macro (the economy as a whole) and micro (behavior of individual parts) concepts of capitalism. Specific topics examined include: the factors of production, social and economic goals of business, supply and demand theory, globalization, personal finance, instruments and institutions of investment, financial markets and investors, and the Federal Reserve Bank.

Prerequisite: Successful completion of Global History & Geography 1 & 2, and U.S. History & Government

AP MACROECONOMICS

2412A

1/2 YEAR

.5 CREDIT

This course will be taught as a college-level Macroeconomics course. Macroeconomics deals with the functions of individual markets. It examines the forces of supply and demand. Particular attention will be devoted to the impact of government policy on a nation's economic development and stability. Students will be expected to do extensive reading in college-level textbooks and periodicals and to be prepared to do sophisticated analysis of all distributed materials. Students will also be expected to create and analyze graphs. Evaluation will be based on tests, papers and simulations. Students will frequently work in groups on assigned projects. Students will be required to take the AP examination in Macroeconomics given in May. All Advanced Placement courses will have a midterm assessment and a final exam.

Suggested Guidelines: Superior reading comprehension and analysis skills; teacher recommendation; Junior or Senior Status.

AP MICROECONOMICS

2413A

1/2 YEAR

.5 CREDIT

AP Microeconomics provides students with a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. The course places emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. Students will be required to complete a wide range of readings, to analyze graphical and statistical information, to sketch graphs, and to take and outline detailed notes. Students will be required to take the AP examination in Microeconomics given in May. All Advanced Placement courses will have a midterm assessment and a final exam.

Suggested Guidelines: Superior reading comprehension and analysis skills; teacher recommendation; Junior or Senior Status.

COLLEGE ECONOMIC IDEAS AND ISSUES

(Syracuse University Project Advance)

2213C

1/2 YEAR

.5 CREDIT

3 COLLEGE CREDITS

This course, offered in conjunction with Syracuse University, begins with a presentation of the scientific method, which is then used to analyze the question: "How do individuals and societies make choices when they are faced with scarcity?" Beginning with the individual in the simplest of situations, a one-person society, the course moves step by step to develop a model of a complex society based on division of labor and exchange through markets. The process takes students from the microeconomic to the macroeconomic level, emphasizing the connection between these two perspectives. Students examine the benefits as well as the problems inherent in a market-oriented economy. The course prepares students to analyze and understand the on-going economic policy debate between interventionists and non-interventionists.

PARTICIPATION IN GOVERNMENT

2214

1/2 YEAR

.5 CREDIT

This course is designed to help prepare students to become active citizens and involved community members. Students will develop the ability to think critically and systemically in addressing the root causes of local and global issues. Various public policies will be examined with a special focus on sustainable communities. Attendance at two civic meetings is required for course credit.

A performance based group project related to a community issue is required of all students.

INTERDISCIPLINARY GOVERNMENT AND ECONOMICS

2444IN

1 YEAR

1 CREDIT

This course will be taught in collaboration with the English 12R Interdisciplinary Course and will focus on understanding basic economic and political principles that guide decision-making in society, with a focus on learning through action. Specific topics will include leadership qualities of individuals, roles of citizens in their communities, financial markets, supply and demand, personal finances, social and economic goals of businesses, and globalization of the economy.

A performance-based group project related to a community issue is required of all students.

COLLEGE PUBLIC AFFAIRS

(Syracuse University Project Advance)

2215C

/2 YEAR

.5 CREDIT

3 COLLEGE CREDITS

This course can be taken in place of Participation in American Government. Public Affairs is a course, offered in conjunction with Syracuse University, which introduces students to the analysis of public policy. It is designed to provide students with research, communication and decision making skills used in public policy analysis and to increase student knowledge of the role of interest groups, political ideology, budgeting, and various government players in the policy making process. Students will use two college-level textbooks, a wide variety of online sources, statistics and trend line graphs as they analyze the effectiveness and feasibility of various public policy

options. Students are expected to put forth their best effort on a daily basis by reading and analyzing college-level texts. Attendance at two civic meeting is required for course credit.

Prerequisite: Junior/Senior status

AP UNITED STATES GOVERNMENT AND POLITICS

1/2 YEAR

2414A

.5 CREDIT

This course is designed as a college-level, student-centered seminar course on the American political system. We will discuss political ideology, the development of our political system, and our key democratic institutions. Our in-class discussions will emphasize the changing political culture of our society and its effects on voting patterns, trends in government, and the processes of government. One major focus of this course will be to help you develop the ability to apply an understanding of our American political system to contemporary events, with the goal of helping you prepare for your role as an active and knowledgeable participant in our political system and culture. Attendance at two civic meetings is required for course credit. Students will be required to take the A.P. Examination in May.

AP COMPARATIVE GOVERNMENT

1/2 YEAR

2416A

.5 CREDIT

Comparative government and politics is an incredibly important field of study for students in our modern, interconnected world. Globalization and other events over the past several decades have drawn the countries of the world closer together than at any other point in history. Happenings around the globe now directly impact our lives. The course will prepare students, our future business and political leaders, to understand this dynamic and diverse international community. In this course, students will compare and contrast the government and politics of each of the countries that we study and analyze both commonalities and differences among modern political systems throughout the world. The six countries that we will study are: Great Britain, Iran, Russia, China, Mexico and Nigeria. Students are expected to give their best effort on a daily basis by reading and analyzing college-level texts. Attendance at two civic meetings is required for course credit. Student will be required to take the A.P. Examination in May.

SOCIAL STUDIES ELECTIVES

COLLEGE PSYCHOLOGY

1/2 YEAR

(Syracuse University Project Advance)

.5 CREDIT

2234C

3 COLLEGE CREDITS

College Psychology, offered in conjunction with Syracuse University, will acquaint students with the basic areas of study covered by the field of psychology including learning personality assessment, abnormal psychology, social psychology, and psychopathology. Study guide material developed by the faculty of Syracuse University will provide the course design. Students will be required to complete seven of nine textbook themes followed by an in-depth study of an area which the student may find to be of particular interest. An example of the textbook themes include: "Biological Basis of Behavior and Motivation," "Learning and Memory," and "Sensory Processes and Perception." Students interested in gaining insights into human behavior and familiarity with the latest development and thinking in the field of psychology will find this course very rewarding.

Prerequisite: Junior status

COLLEGE SOCIOLOGY

1/2 YEAR

(Syracuse University Project Advance)

.5 CREDIT

2244C

3 COLLEGE CREDITS

Sociology 101 is a first level college course, offered in conjunction with Syracuse University, studying the social perspectives of human behavior. Using active learning and a skills-oriented approach, students will use professional articles, on-line sources, and projects to produce and

analyze social data. This course will examine the nature of society and social interaction and focus on such issues as class, race and gender, the changing nature of the family, the impact of divorce and single parent families, and childhood and adolescence.

Prerequisite: Junior status

PSYCHOLOGY

2233

1/2 YEAR

.5 CREDIT

Psychology is the study of behavior with emphasis placed on the characteristics of the individual. This survey course acquaints students with basic psychological theories and tools of analysis. Psychology deals with such topics as: philosophical origins, nature of experimentation, personality development, motivation, body and behavior, learning, behavior modification, perception and emotion. This course should be of special interest to students who are inclined toward careers in the areas of mental health, education or related areas.

Prerequisite: Sophomore status

CHILD DEVELOPMENTAL PSYCHOLOGY

2232

1/2 YEAR

.5 CREDIT

This course is designed to give students an understanding of the responsibilities of parenthood as well as the early milestones and developmental processes of children through various stages. A thorough study of children's physical, intellectual, emotional and social development will be explored and discussed. Special topics will include mental disorders/abnormal psychology related to children, introductory theories on parenting and the influence of modern technology in 21st century child development. With an understanding of growth and development of children, students should be able to prepare for future parental roles, employment in child care industry, continue with education in the area of Child Development, and be able to make decisions that support the sound physical, mental emotional and intellectual development of children.

Prerequisite: Junior status

CRIMINOLOGY AND CRIMINAL LAW

2243

1/2 YEAR

.5 CREDIT

The semester Criminology and Criminal Law course deals primarily with three facets of our criminal justice system: the nature and causes of criminal behavior, criminal law in New York State, and a survey of the criminal justice process which includes police investigations, arrest, criminal trials and corrections (prisons). Students will gain insight into our legal system through the study of crime in our nation, criminal law, white-collar crime, the role of the police, rights of the accused as guaranteed by our Constitution, our court system, problems of correcting criminal behavior through our prison system, and possible alternatives. Throughout the course, we will deal with the problem of violence, endeavoring to understand the nature and causes of criminal behavior so we can better develop viable solutions. Course procedures will include lectures, PowerPoint presentations, guest speakers, research, readings, and simulations. Active participation in a mock criminal trial is mandatory, as this is a culminating activity for the course.

Prerequisite: Junior/Senior status

INTRODUCTION TO SOCIAL SCIENCE RESEARCH - Junior year

2250

1 CREDIT

This course will prepare students to engage in social science research. As a gateway course to advanced research for competitions such as the Regeneron Science Talent Search, this class will introduce and develop skills necessary to conduct research in the social sciences. Working with students' independent research, the teacher will guide students through the process of developing a research question. Students will learn how to use scholarly databases read scholarly research articles and connect with academic authorities in specific fields. During this period, students will develop a prospectus for a research project. Students who are interested in this course should possess good reading and writing skills. This course is one credit and is Pass/Fail.

INDEPENDENT SOCIAL SCIENCE RESEARCH - Senior year

1 CREDIT

2260

Students will compete in social science competitions such as the Regeneron Science Talent Search, the Junior Science and Humanities Symposium, the U.S. Institute of Peace and Profiles in Courage. In addition, students will enter papers in economic and psychology competitions as well as submit papers to scholarly publications. In this class, most students will have a developed prospectus, and be prepared to implement a research design. Students will develop instruments, and be trained to collect code and interpret data; SPSS training will be provided to each student. Students will complete a research paper and present their findings at the Social Science Symposium as well as at local and national competitions. Students who are interested in this course should possess good reading and writing skills. This course is one credit and is Pass/Fail.

AP CAPSTONE RESEARCH

1 YEAR

2270A

1 CREDIT

AP Capstone Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a yearlong mentored, research-based investigation to address a specific question. In this course, students further develop the skills acquired in the AP Seminar course (offered through the English Department) by learning about and understanding research methods, employing ethical research practices, and accessing, and analyzing, and synthesizing information as they address a research question. The course culminates in an academic thesis paper, presentation, performance, or exhibition, with an oral defense. Students who earn scores of three or higher in: AP Seminar, AP Research, and four other AP courses will be awarded an AP Capstone Diploma from College Board.

Prerequisite: AP Seminar

SPECIAL EDUCATION DEPARTMENT
Dr. Elizabeth Ruiz Quintana, Chairperson

equintana@hewlett-woodmere.net
516-792-4063



It is our ultimate goal to provide the opportunity for each student to maximize academic, social and emotional development in order to achieve his/her full potential. It is to this end that the Special Education program offers a variety of services to students who are classified by the Committee on Special Education. It is through their participation in the learning center and specialized programs that students are able to meet the NYS Learning Standards, integrate successfully into the mainstream of the high school, graduate and go on to higher education or to the world of work.

Special education teachers will provide support services for academic area classes. These will be capped classes designed for students who may need additional support to prepare for Regents exams in the specific academic areas. Placement in these classes will be based on CSE decisions and recommendations

The Special Education Department also provides work opportunities in the community with assistance provided by job coaches or BOCES placements with the assistance of the Transition Coordinator.

RESOURCE ROOM

1 YEAR
0 CREDIT

Learning Center teachers work with small groups of CSE designated students to provide a structured learning environment.

Various methods and materials are used in order to work on individual needs and learning styles:

1. Remediation of specific skills to help students function more effectively in academic classes (i.e. reading, writing and enrichment, listening, organizational and study skills).
2. Assistance in developing strategies to meet the Common Core Learning Standards in academic subjects and providing support to maintain and promote progress.
3. Communication with general education teachers to support student learning and assist teachers in the implementation of test modifications.
4. Implementation and monitoring of individual student I.E.P. goals/objectives.

INTEGRATED CO-TEACHING: Possible course offerings based on CSE Recommendations

Grade 9

ICT English 9
ICT Global Studies 1
ICT Algebra + Lab
ICT Living Environment
ICT Special Class Support

Grade 10

ICT English 10
ICT Global History 2R
ICT Geometry
ICT Earth Science + Lab
ICT Special Class Support

Grade 11

ICT English 11
ICT US History
ICT Algebra 2 + Lab
ICT Chemistry + Lab
ICT Special Class Support

Grade 12

ICT Essentials of Writing
ICT Contemporary Literature
ICT Participation in Government/Economics
ICT Physics + Lab
ICT Special Class Support
ICT Topics of Pre-Calculus

*Course descriptions are listed by department

SPECIAL EDUCATION COURSE OFFERINGS

SPECIAL CLASSES

These classes are open only to classified students based on the recommendation of the special education teacher and decision of the Committee on Special Education. The classes follow curriculum content as required by state regulations and utilize methods and materials adapted to meet the specific learning styles of the students. Special classes are designed to meet state academic learning standards and parallel mainstream academic classes. Students are required to take all of the New York State Regents Exams and building-level final exams in order to meet all of their graduation requirements.

9th Grade

English 9R
Global History 1R
Living Environment R
Algebra R & Lab

10th Grade

English 10
Global History 2R
Science (determined by CSE)
Math (determined by CSE)

11th Grade

English 11R
U.S. History R
Science (determined by CSE)
Topics of Algebra 2

12th Grade

Senior Seminar
English 12R
PIG/ECO
Science Elective
Math Elective

ENGLISH 9 R 91409

1 YEAR/1 CREDIT

ENGLISH 10R 91410

1 YEAR/1 CREDIT

These courses concentrate on the skills necessary to master the mainstream curriculum in English Language Arts. Emphasis will be placed on reading, writing, speaking, and listening, all while adhering to the NYS English Language Arts Learning Standards.

ENGLISH 11R

91411

1 YEAR

1 CREDIT

This class covers all of the topics of the English 11R course. The class follows the curriculum content as required by the NYS Learning Standards for English Language Arts and utilizes methods and materials adapted to meet the specific learning style of the students enrolled. This course culminates with the English Regents Examination in June.

ENGLISH 12

91412

1 YEAR

1 CREDIT

The English 12R program is a thematic survey course offering seniors an opportunity to become more knowledgeable about major works in literature while gaining some additional background about the time period from when these works were developed. The course examines literature through critical reading and discussion. Students will write analytical and creative responses to the texts. Senior Year Project (SYP), a project of choice for students not already engaged in a Senior Experience, is required during the fourth quarter in conjunction with an internship. Students are expected to have a competent level of reading and writing and should be willing to read independently as preparation for daily classes.

GLOBAL HISTORY AND GEOGRAPHY 1R 92409

1 YEAR/1 CREDIT

GLOBAL HISTORY AND GEOGRAPHY 2R 92410

1 YEAR/1 CREDIT

These classes parallel mainstream content and skills with an emphasis on multiple learning techniques. Students will be prepared to take the Global History Regents exam after the successful completion of the Global History 2 course.

U.S. HISTORY R

92411

1 YEAR
1 CREDIT

This class covers all of the topics of the U.S. History R course. The class follows the curriculum content as required by the New York State Standards and utilizes methods and materials adapted to meet the specific learning style of the students enrolled. This class meets one period every day.

ECONOMICS

92212

1/2 YEAR
.5 CREDIT

Economics is the study of how society solves the problems of scarcity and the distribution of goods and services. This course compares different economic systems including both macro (the economy as a whole) and micro (behavior of individual parts) concepts of capitalism. Specific topics examined include: the factors of production, social and economic goals of business, supply and demand theory, globalization, personal finance, instruments and institutions of investment, financial markets and investors, and the Federal Reserve Bank.

Prerequisite: Successful completion of Global History & Geography 1, & 2, and U.S. History & Government

PARTICIPATION IN GOVERNMENT

92214

1/2 YEAR
.5 CREDIT

This course is designed to help prepare students to become active citizens and involved community members. Students will develop the ability to think critically and systemically in addressing the root causes of local mapping, critical thinking, collaborating, citizenship, and creativity. This course is aligned with the NYS K-12 Social Studies Framework.

ALGEBRA 1R

93409

1 YEAR
1 CREDIT

This course covers the material of the Integrated Algebra course with an additional lab period. Labs are assigned to each student every other day. All the topics covered align with NYS Next Generation Learning Standards. The course is intended for students who have the motivation and desire to be in the Regents course but need the extra support of lab periods. Students will take the Regents exam in June. Labs are scheduled on alternating days for the full year.

Prerequisite: Successful completion of 8th grade mathematics.

TOPICS OF GEOMETRY

93415

1 YEAR
1 CREDIT

This course focuses on concepts of geometry, which include transformational geometry, graphing on the Cartesian plane, geometry of the circle, logic, and application of the Pythagorean Theorem. Students are required to take a final exam at the end of the course. This course serves as an introduction to Geometry.

Prerequisite: Successful completion of Algebra R

GEOMETRY

93410

1 YEAR
1 CREDIT

In this Geometry course students expand their experiences with transformations and engage in formal proofs of geometric theorems, using transformations in the plane as a foundation to prove congruence and similarity. From this foundation, students look to define trigonometric ratios and apply these concepts to solve problems involving right triangles.

Prerequisite: Successful Completion of Algebra R.

TOPICS OF ALGEBRA 2

93461

1 YEAR
1 CREDIT

This course covers topics such as real and imaginary numbers, polynomials, statistics, fractions, graphing and linear, quadratic and simultaneous equations. It also includes an introduction to trigonometry. Students are required to take a final exam at the conclusion of the course.

Prerequisite: Successful Completion of Foundations of Geometry or Geometry + Lab.

Enrollment Guidelines: Intended for seniors or for upper classmen seeking a terminal mathematics course.

FINANCIAL MATHEMATICS

97461 (May be used as a third unit Math credit)

1 YEAR
1 CREDIT

Financial Mathematics is a course that develops skills which will aid students in the following areas:

- (a) serving as a primer for advanced business courses
- (b) gaining insight into personal and consumer needs
- (c) seeking employment in the business world.

This course covers a review of basic mathematics, in depth study of money records (cash receipts, cash payments and checkbook maintenance), buying problems (sales slips, sales taxes and unit and average pricing), wages (gross and net salary), commissions, personal budgeting problems/borrowing and credit, savings accounts and online banking. Microsoft Excel is used as a personal tool for real-life applications of the mathematic skills taught.

Enrollment Guideline: Junior or Senior status

LIVING ENVIRONMENT R

94410

1 YEAR
1 CREDIT

This course is geared towards providing students the necessary foundation to be successful on the Living Environment Regents exam. Students have the time to study selected topics in a variety of teaching methodologies. Throughout the course students will be exposed to the reading-level vocabulary to be successful on the Living Environment Regents. This course culminates with the Regents exam in June.

Prerequisite: Successful completion of 8th grade science

EARTH SCIENCE R

94409

1 YEAR
1 CREDIT

Earth Science is a comprehensive problem-solving course concerned with the manipulation of both materials and data. It is an integrated study of the Earth's history, composition, and structure, its atmosphere and oceans, and its environment in space. The course stresses problem solving, scientific thinking and basic skill building. The Regents Examination in Physical Setting: Earth Science will be administered in June.

Suggested Co-requisite: Integrated Algebra

ENVIRONMENTAL SCIENCE

94465

1 YEAR
1 CREDIT

This elective course is offered for students who enjoy learning about the environment. Environmental Science will study factors that shape and challenge our environment. This course focuses on multiple and complex aspects of ecology and the human impact on the environment.

MARINE BIOLOGY

94240

1 YEAR
.5 CREDIT

Marine Biology represents man's last frontier on Earth. This course includes a study of the adaptations of marine organisms to major marine habitats. The habitats discussed include: the rocky intertidal zone, our own estuarine system (L.I. Sound, the Coral Reef System, and salt marshes.) Laboratory work using live and preserved marine organisms and field trips will illustrate

adaptations and provide a phylogenetic approach to the understanding of the evolution of these marine organisms. Students will be involved with the Willow Pond duck pond as an outdoor living laboratory. The course requires independent study, laboratory experiments, fieldwork, and a marine science project. Dissections are a significant part of this course. It is recommended that students who object to dissections pursue other courses.

Prerequisite: Successful completion of the Living Environment.

ASTRONOMY

94250

1 YEAR

.5 CREDIT

Astronomy is designed to increase students' awareness of Earth's place in the cosmos and of how the Earth and the universe came into being. Students will make scientific observations of the night sky. This course will also touch on the past, present, and future of man's exploration of space. "Astronomy" will make use of the vast amount of information available through the internet such as NASA resources and pictures from the Hubble Space Telescope. It is anticipated that this course will have the use of a portable planetarium system to make the course "come alive" to students.

Prerequisite: Successful completion of Earth Science R

SENIOR SEMINAR

99912

FULL YEAR

1 CREDIT

Senior Seminar is designed to help guide students through the college application process while addressing learning goals outlined on their individual IEPs. Senior Seminar takes an in-depth look at the necessary reading skills needed for successful college students. The course will provide direct instruction on specific metacognitive reading skills and other methodologies that successful readers utilize as part of their reading repertoire. The course will also provide comprehensive instruction in the writing process, in order to further prepare students for writing college level research papers. It will also prepare them to make a successful transition to college life by developing effective organizational, critical thinking, public speaking, and time management skills. The course will also promote student self-awareness, personal responsibility and self-advocacy skills while addressing many aspects of transition.

12:1:1 Program:

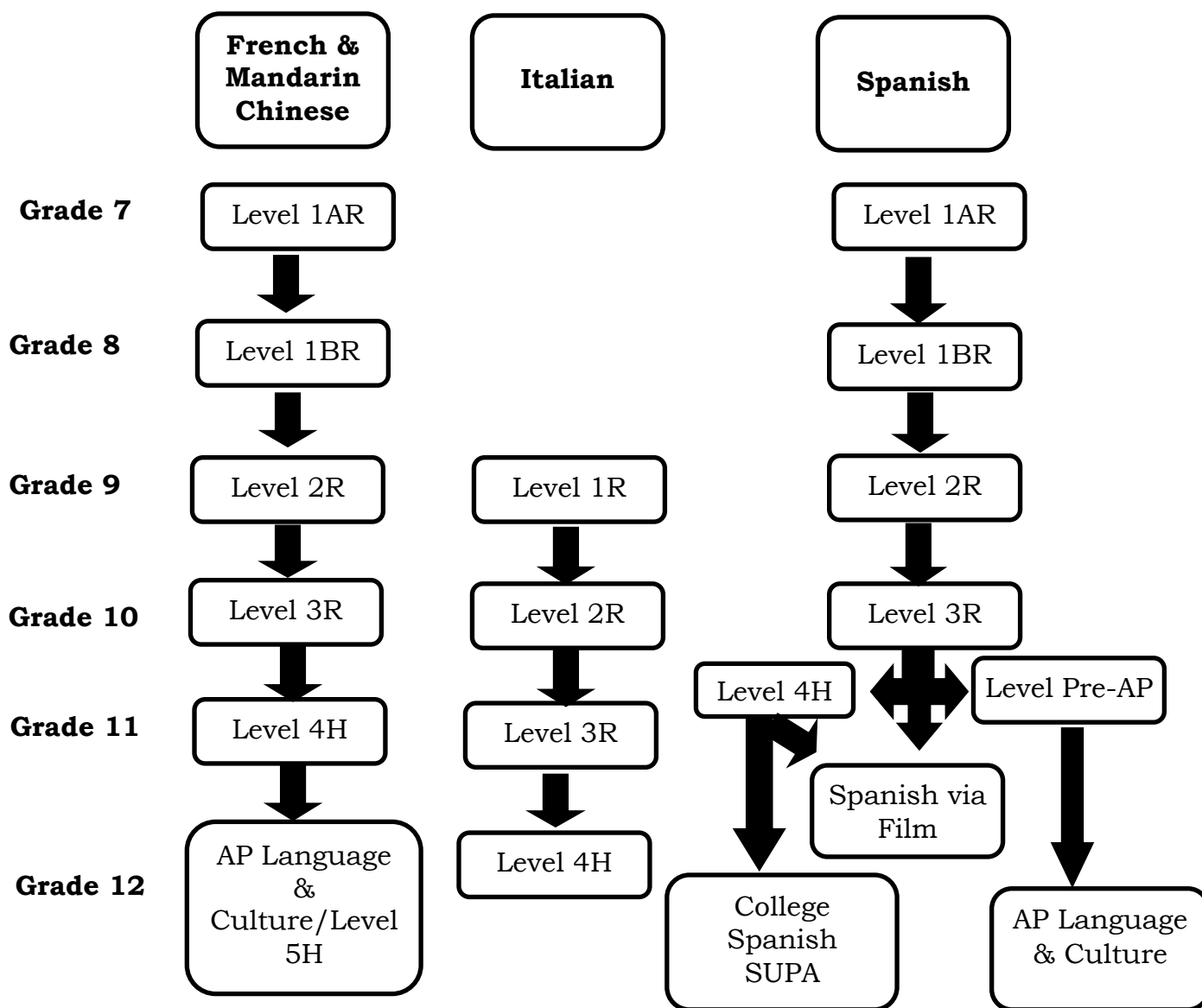
The 12:1:1 Program is designed for high school students with disabilities. The program is geared for students who function on the below average range of cognitive and academic functioning and require a more intensive and supportive learning environment within the least restrictive setting at a local high school. The program provides students with a plan that leads to the successful completion of a CDOS credential as an exit credential. In addition to a full complement of high school courses, students in this program will have an intensive career exploration program. The program may also expose students to various career settings with an array of opportunities ranging from job coaching, job shadowing and half-day programs at BOCES Barry Tech or at the Gerald R. Clapps Program at Levittown.

WORLD LANGUAGES & ENGLISH AS A NEW LANGUAGE (ENL)

Mrs. Alba Gallegos, Chairperson
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516-792-4027



G.W. HEWLETT HIGH SCHOOL
DEPARTMENT OF WORLD LANGUAGES



Please note that students wishing to complete a World Language sequence will most often fulfill that sequence in a major strand language.

Major Strand Languages: Chinese, French, Italian, Spanish

Students may choose to study an elective language in concert with, or after completion of a major strand language. Exceptions should be discussed with the department chairperson.

Elective Language: American Sign Language (ASL)

(Courses will be offered contingent upon hiring certified teaching staff)

FRENCH 1R

5421

1 YEAR

1 CREDIT

This is a beginning course in French language at the conclusion of which the student will take the Checkpoint A Regional Assessment in French (FLACS). The four basic skills are introduced: speaking, auditory comprehension, reading, and writing. Attention is given to vocabulary and idiom development, grammar study, oral expression, and the cultural aspects of the French-speaking world. Emphasis is placed on spoken communication as well as on the development of auditory comprehension and reading skills.

FRENCH 2R

5422

1 YEAR

1 CREDIT

This is the first course of the Checkpoint B sequence in French. There is continued development and refinement of the four basic skills: speaking, listening comprehension, reading, and writing with concentration on oral expression, structural concepts, auditory and reading comprehension, and vocabulary enrichment. Cultural awareness of the French-speaking world is developed as an integral part of the study of language.

Prerequisite: Successful completion of French 1R

FRENCH 3R

5423

1 YEAR

1 CREDIT

This is an intermediate course at the completion of which the student will take the Checkpoint B Regional Assessment in French (FLACS). The course includes: vocabulary development, grammar review and the refinement of reading and writing skills. Reading selections vary to include contemporary, literary and cultural topics. Emphasis is also given to oral expression and auditory comprehension. Credits earned by successfully completing this sequence are used towards the Regents Diploma with Advanced Designation.

Prerequisite: Successful completion of French 2R

FRENCH 4H

5424H

1 YEAR

CREDIT

In this advanced course, students are asked to make the transition from the learning of the basic structures of the French language to the understanding and use of French in cultural and literary contexts. This course is aligned with the Advanced Placement themes and subthemes. Students will gain an understanding of historical backgrounds and will become aware of the contributions of French and Francophone societies to Western culture. The reading and discussion of current selections will help students gain insight into life in France and the Francophone world. At this level, classes are conducted in French with the objective of achieving fluency.

Prerequisite: Successful completion of French 3R

Enrollment Guideline: 80-85 in French 3R

FRENCH 5H

5425H

1 YEAR

1 CREDIT

This is an advanced course providing an opportunity for students to further develop the four skills of understanding the spoken language, reading, writing, and speaking. Conversational aspects of language are stressed. Topics include literature, culture, daily life and contemporary issues. A variety of reading materials is presented. Emphasis is placed on oral discussions, vocabulary and idiom building, and written compositions.

Prerequisite: Successful completion of French 4H

Enrollment Guideline: 80-85 in French 4H

AP FRENCH LANGUAGE AND CULTURE

5425A

1 YEAR

1 CREDIT

This college level course is designed to prepare students for the Advanced Placement French Language Examination which requires a high level of proficiency in the four basic language skills: listening, speaking, reading, and writing, as well as knowledge of the French-speaking world related to the AP French Language themes and subthemes. Students will acquire the techniques and vocabulary necessary to express themselves, orally and in writing, on practical and cultural topics. Auditory and reading comprehension in both formal and informal language is stressed. Reading selections are chosen to expand the scope and variety of vocabulary. Composition work is designed to raise the level of writing ability. Emphasis is also placed on speaking and listening to promote increased fluency. Each student is expected to make several recordings throughout the year in order to improve oral expression as well as to practice for the written portion of the Advanced Placement examination. In addition to the Advanced Placement Examination in May, there will be a midterm examination in January.

We wish to call to the attention of prospective Advanced Placement language students that, since this is a skill-oriented subject requiring practice and reinforcement daily, attendance is critical and required. Your presence in class will make a real difference in exam results.

Prerequisite: Successful completion of French 4H

Enrollment Guideline: Willingness and ability to do college level work in the world language; 88 or better in French 4H; teacher recommendation.

ITALIAN 1R

5431

1 YEAR

1 CREDIT

This is a beginning course in Italian language at the conclusion of which the student will take the Checkpoint A Regional Assessment in Italian (FLACS). The four basic skills are introduced: speaking, listening comprehension, reading, and writing. Attention is given to vocabulary and idiom development, grammar study, oral expression, and the cultural aspects of the Italian-speaking world. Emphasis is placed on communication as well as on the development of auditory comprehension and reading skills.

ITALIAN 2R

5432

1 YEAR

1 CREDIT

This is the first course of the Checkpoint B sequence in Italian. There is continued development and refinement of the four basic skills; speaking, listening comprehension, reading and writing with concentration on oral expression, structural concepts, auditory and reading comprehension, and vocabulary enrichment. Cultural awareness of the Italian-speaking world is developed as an integral part of the study of the language.

Prerequisite: Successful completion of Italian 1R

ITALIAN 3R

5433

1 YEAR

1 CREDIT

This is an intermediate course at the completion of which the student will take the Checkpoint B Regional Assessment in Italian (FLACS). The course includes: vocabulary development, grammar review and the refinement of reading and writing skills. Reading selections vary to include contemporary, literary and cultural topics. Emphasis is also given to oral expression and auditory comprehension. Credits earned by successfully completing the sequence are used towards the Regents Diploma with Advanced Designation.

Prerequisite: Successful completion of Italian 2R

The Department of World Languages wishes to remind those students with 85 and better in Chinese, French, Italian and Spanish that colleges and universities regard the fourth year of the same language most favorably.

ITALIAN 4H

5434H

1 YEAR
1 CREDIT

In this advanced course, students are asked to transfer the learning of basic structures of the Italian language to the understanding and use of Italian in practical as well as literary contexts. Students will study, and learn to use, current idiomatic expressions. Discussions conducted in Italian, and based on the reading of plays and contemporary short stories, will help the student to gain a deeper understanding and appreciation of the Italian culture.

Prerequisite: Successful completion of Italian 3R

Suggestion: 80-85 in Italian 3R

MANDARIN CHINESE 2R

5442

1 YEAR
1 CREDIT

This is the first course of the Checkpoint B sequence in Chinese. There is continued refinement of the four basic skills introduced in Level I: speaking, listening comprehension, reading and writing with a concentration on oral expression, structural concepts, auditory and reading comprehension and vocabulary enrichment. There will be increased focus on simplified Chinese characters as students expand on their writing skills in the language. This course offers a more intensive study of idioms and the study of culture and traditions of the Chinese people.

Prerequisite: Successful completion of Chinese 1B

MANDARIN CHINESE 3R

5443

1 YEAR
1 CREDIT

This is an intermediate course at the completion of which students will take the Checkpoint B Regional Assessment in Chinese (FLACS). This course includes a progression and refinement of skills with a concentration on oral expression, structural concepts, auditory and reading comprehension and vocabulary enrichment. There will be increased focus on simplified Chinese characters as students expand on their writing skills in the language. This course offers a more intensive study of idioms and the study of culture and traditions of the Chinese people. Credits earned by completing the sequence are used towards the Regents Diploma with Advanced Designation.

Prerequisite: Successful completion of Chinese 2R

The Department of World Languages wishes to remind those students with 85 and better in Chinese, French, Italian and Spanish that colleges and universities regard the fourth year of the same language most favorably.

MANDARIN CHINESE 4H

5444H

1 YEAR
1 CREDIT

In this advanced course, students are asked to transfer the learning of basic structures of the Chinese language to the understanding and use of Chinese in practical as well as literary contexts. Students will study and learn to use current idiomatic expressions. There will be an increased focus on Chinese characters. Discussions conducted in Chinese and based on art, literature, Chinese history and current events will help the students to gain a deeper understanding and appreciation of the Chinese culture.

Prerequisite: Successful completion of Chinese 3R

Suggestion: 80-85 in Chinese 3R

MANDARIN CHINESE 5H

5445H

1 YEAR
1 CREDIT

This is an advanced course providing an opportunity for students to further develop the four skills of understanding the spoken language, reading, writing, and speaking. Conversational aspects of language are stressed. Topics include literature, culture, daily life and contemporary issues. A variety of reading materials is presented. Emphasis is placed on oral discussions, vocabulary and idiom building, and written compositions.

Prerequisite: Successful completion of Chinese 4H

AP CHINESE LANGUAGE AND CULTURE

5445A

1 YEAR
1 CREDIT

This course deepens students' immersion into the language and culture of the Chinese-speaking world. This AP Language and Culture course aims to provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills within a cultural framework of reference reflective of the richness of the Chinese language and culture. It provides students with opportunities to perform intermediate to pre-advanced level tasks, and students are expected to achieve proficiencies throughout, and sometimes beyond, the intermediate range, as described in the American Council on the Teaching of Foreign Languages (ACTFL) Proficiency Guidelines. In addition to the AP examination in May, students will take a midterm examination in January. Class attendance is critical and required. Your presence in class will make a real difference in exam results.

Prerequisite: Successful completion of Chinese 4H

Enrollment Guideline: Willingness and ability to do college level work in the world language; 88 or better in Chinese 4H; teacher recommendation

SPANISH 1R

5411

1 YEAR
1 CREDIT

This is a beginning course in Spanish language at the conclusion of which the student will take the Checkpoint A Regional Assessment in Spanish (FLACS). The four basic skills are introduced: speaking, listening comprehension, reading and writing. Attention is given to vocabulary and idiom development, grammar study, oral expression, and the cultural aspects of the Spanish-speaking world. Emphasis is placed on communication as well as the development of auditory comprehension and reading skills.

SPANISH 2R

5412

1 YEAR
1 CREDIT

This is the first course of the Checkpoint B sequence in Spanish. There is continued development and refinement of the four basic skills: speaking, listening comprehension, reading and writing with concentration on oral expression, structural concepts, auditory and reading comprehension, and vocabulary enrichment. Cultural awareness of the Spanish-speaking world is developed as an integral part of the study of language.

Prerequisite: Successful completion of Spanish 1R

SPANISH 3R

5413

1 YEAR
1 CREDIT

This is an intermediate course at the completion of which the student will take the Checkpoint B Regional Assessment in Spanish (FLACS). The course includes: vocabulary development, grammar review, and the refinement of reading and writing skills and communication. Reading selections vary to include contemporary, literary and cultural topics. Emphasis is also given to oral expression and auditory comprehension. Credits earned by successfully completing the sequence are used towards the Regents Diploma with Advanced Designation.

Prerequisite: Successful completion of Spanish 2R

The Department of World Languages wishes to remind those students with 85 and better in Chinese, French, Italian and Spanish that colleges and universities regard the fourth year of the same language most favorably.

SPANISH 4H

5414H

1 YEAR

1 CREDIT

In this advanced course, students are asked to transfer the learning of basic structures of the Spanish language to the understanding and use of Spanish in practical as well as literary contexts. Students will study, and learn to use, current idiomatic expressions. Discussions conducted in Spanish, and based on the reading of plays and contemporary Latin American short stories, will help the student to gain a deeper understanding and appreciation of the Spanish and Hispanic cultures.

Prerequisite: Successful completion of Spanish 3R

Enrollment Guideline: 80-85 in Spanish 3R

SPANISH PRE-ADVANCED PLACEMENT

5415H

1 YEAR

1 CREDIT

This advanced course is a prerequisite for those students wishing to take Advanced Placement Spanish. They will prepare oral and written work that will equip them with the skills necessary to be successful on the Advanced Placement examination at the end of the following year. An intensive study of grammar, as well as advanced idioms and vocabulary will be stressed. Literary works read throughout the course will serve as the basis for discussions, as will many of the written and oral assignments. This course is aligned with the Advanced Placement themes and subthemes. We wish to call to the attention of prospective AP World Languages students that, since this is a skill-oriented subject requiring practice and reinforcement daily, attendance is critical and required. Your presence in class will make a real difference in exam results.

Prerequisite: Successful completion of Spanish 3R

Enrollment Guideline: Willingness and ability to begin college level work; 88 or better in Spanish 3R with a minimum grade of 85 on the FLACS Checkpoint B assessment; teacher and/or Department Chairperson recommendation.

COLLEGE SPANISH

(Syracuse University Project Advance)

5418C

1 YEAR

1 CREDIT

4 COLLEGE CREDITS

This college-level course, offered in conjunction with Syracuse University, is the equivalent of an intermediate-level college course in Spanish. With the payment of a fee to Syracuse University (\$110.00 per credit), the student can earn four college credits from Syracuse, which are granted by that institution upon the successful completion (a "C" or above) of the course. The High School does NOT guarantee that these credits will be accepted at any particular college; it is the student's responsibility to find out if the college(s) of his/her choice will actually accept the Syracuse credit. This course is a proficiency-based experience that reviews understanding of the formal structures of the language, refines previously acquired linguistic skills, and builds awareness of Spanish and Hispanic cultures. Authentic oral materials and literary texts are introduced. The course uses film, TV/radio, and literary texts in developing oral, listening, reading, and writing skills. Classes are conducted in Spanish. By the end of the year, students can be expected to communicate effectively in the language: giving, getting information, surviving predictable and complex situations, narrating, describing in present, past, future time, supporting opinions and hypothesizing adequately, and comfortably in Spanish.

Prerequisite: Successful completion of Spanish Pre-AP or Spanish 4H

AP SPANISH LANGUAGE AND CULTURE

1 YEAR

5416A

1 CREDIT

This college level course is designed to prepare students for the Advanced Placement Spanish Language Examination, which requires a high level of proficiency in the four basic language skills: listening, speaking, reading, and writing, as well as knowledge of the Spanish-speaking world related to the AP Spanish Language themes and subthemes. Students will acquire the techniques and vocabulary necessary to express themselves, orally and in writing, on practical and cultural topics. Auditory and reading comprehension in both formal and informal language is stressed. Each student is expected to make several recordings throughout the year in order to improve oral expression as well as to practice for the written portion of the Advanced Placement examination. In addition to the Advanced Placement Examination in May, there will be a midterm examination in January.

We wish to call to the attention of prospective Advanced Placement language students that, since this is a skill-oriented subject requiring practice and reinforcement daily, attendance is critical and required. Your presence in class will make a real difference in exam results.

Prerequisite: Successful completion of Spanish Pre-Advanced Placement

Enrollment Guideline: Willingness and ability to do College level work; 88 or better in Spanish; Pre-AP students who have completed Spanish 4H may enroll with teacher recommendation.

SPANISH CONVERSATION AND CULTURAL ANALYSIS VIA FILM

1 YEAR

5417

1 CREDIT

This course will create an atmosphere in which students will be able to enhance their linguistic skills and heighten their awareness of Hispanic and Spanish cultures through film. The curriculum will enable students to explore various historical times, traditions and customs of the Spanish-speaking world through the fascinating medium of film.

Pre-requisite: Successful completion of Spanish 3R or higher level Spanish.

AMERICAN SIGN LANGUAGE 1

1 YEAR

5511

1 CREDIT

This is a beginning course in American Sign Language. American Sign Language is a visual-gestural language, devoid of voice, and it does not have a written form. American Sign Language employs signs made by moving the hands combined with facial expressions and postures of the body. Visual learners who are able to focus for extended periods of time will experience success in this course. Students enrolled in this course will be able to sign words and phrases across a broad range of topics. The curriculum includes an introduction to the Deaf culture and community.

Prerequisite: Students who have completed a sequence (level III) in a world language will receive priority for enrollment in this course. Any exceptions should be discussed with the department chairperson.

AMERICAN SIGN LANGUAGE 2

1 YEAR

5512

1 CREDIT

This is an intermediate course in American Sign Language. Students in this course will continue to develop receptive and expressive skills across a broad range of topics. Students will continue to develop a greater understanding and appreciation of Deaf culture and the Deaf community.

Prerequisite: Successful completion of American Sign Language 1

ENGLISH AS A NEW LANGUAGE (E.N.L.)

E.N.L. is the teaching of English to students with limited English proficiency. At registration, students are interviewed and identified as requiring English as a New Language via the NYSITELL exam. The mandated periods of instruction are divided into Stand-alone E.N.L. and Integrated E.N.L. (co-teaching). The requirements vary according to each student's proficiency level as determined by the May 2022 administration of the NYSESLAT exam.

Proficiency levels for our Multi-language Learners (MLL)/English Language Learners (ELLs) along with mandated units of instruction are as follows:

Entering (3 units)
Emerging (2 units)
Transitioning (1 unit)
Expanding (1 unit)
Commanding (½ unit)

ENL WORKSHOP

54619N

1 YEAR

1 CREDIT

This is the beginning course for English Language Learners who have scored entering or emerging on the NYSESLAT or NYSITELL exams. This course includes English Language Arts (E.L.A.) and English as a New Language (E.N.L.) instruction. Its aim is to develop the English language skills and strategies needed to participate in an American high school. Language is taught thematically, moving from concrete to abstract levels. Students at this level work on developing listening and communication skills to help them function in both everyday life and in an academic context. Vocabulary building is a major component of the course. Additionally, students focus on reading, pronunciation, and grammar, while learning about American culture.

Prerequisite: New York State testing determines eligibility for grades 9-12

ENL 9/10

5461E

1 YEAR

1 CREDIT

This course is mandatory for all 9th and 10th grade students who have scored at the entering or emerging level on the NYSESLAT or NYSITELL exam. The course provides grade and age level appropriate instruction in the required content area subjects in English supported by E.N.L. methodologies, employed in a systematic and structured way. This course is designed to develop cognitive skills of Multi-language learners in the content areas.

Prerequisite: New York State testing determines eligibility for grades 9-10

ENL 11/12

5462E

1 YEAR

1 CREDIT

This course is mandatory for all 11th and 12th grade students who have scored at the entering or emerging level on the NYSESLAT exam. The course provides grade and age level appropriate instruction in the required content area subjects in English supported by E.N.L. methodologies, employed in a systematic and structured way. This course is designed to develop cognitive skills of Multi-language learners in the content areas.

Prerequisite: New York State testing determines eligibility for grades 11-12

ENGLISH 9R (INTEGRATED ENL/ELA)

1409E

1 YEAR

1 CREDIT

This course is co-taught by an English teacher and the teacher of English as a New Language. This curriculum is that of the English 9R course offered at the high school, but includes the ENL teacher

to provide support during the class so that English Language Learners are provided with the appropriate tools and strategies to be successful in the course as they develop their language skills. Please see the English 9R course description in this book for more information about the curriculum.

Prerequisite: New York State testing determines eligibility for grades 9-12

ENGLISH 10R (INTEGRATED ENL/ELA)

1 YEAR

1410E

1 CREDIT

This course is co-taught by an English teacher and the teacher of English as a New Language. This curriculum is that of the English 10R course offered at the high school, but includes the ENL teacher to provide support during the class so that English Language Learners are provided with the appropriate tools and strategies to be successful in the course as they develop their language skills. Please see the English 10R course description in this book for more information about the curriculum.

Prerequisite: New York State testing determines eligibility for grades 9-12

ENGLISH 11R (INTEGRATED ENL/ELA)

1 YEAR

1411E

1 CREDIT

This course is co-taught by an English teacher and the teacher of English as a New Language. This curriculum is that of the English 11R course offered at the high school, but includes the ENL teacher to provide support during the class so that English Language Learners are provided with the appropriate tools and strategies to be successful in the course as they develop their language skills. Students enrolled in this course will take the NYS Regents in English Language Arts. Please see the English 11R course description in this book for more information about the curriculum.

Prerequisite: New York State testing determines eligibility for grades 9-12

ENGLISH 12R (INTEGRATED ENL/ELA)

1 YEAR

1412E

1 CREDIT

This course is co-taught by an English teacher and the teacher of English as a New Language. This curriculum is that of the English 12R course offered at the high school, but includes the ENL teacher to provide support during the class so that English Language Learners are provided with the appropriate tools and strategies to be successful in the course as they develop their language skills. Please see the English 12R course description in this book for more information about the curriculum.

Prerequisite: New York State testing determines eligibility for grades 9-12

ALGEBRA 1 (ENL)

1 YEAR

3409E

1 CREDIT

In this course, English Language Learners (ELLs) and Former Limited English Proficient (FLEP) students will review basic arithmetic algorithms, algebraic representations, and begin to develop an understanding of functions in order to prepare for success in Algebra 1. As speakers of a language other than English, students will be afforded the opportunity to acquire key mathematical terms, as well as strengthen their foundation in the number system, including both rational and irrational numbers, and performing operations within this system, solving proportions, graphing functions, and word problems. There will be a focus on mathematical study skills and learning strategies designed specifically for non-English speakers.

Prerequisite: English Language Learners (ELLs) and Former Limited English Proficient Students (FLEPS)

Sample Worksheet 2022-2023

** Students with an IEP may be exempt from the World Language Requirement*

	<i>Course Name</i>
1	ENGLISH _____
2	SOCIAL STUDIES _____
3	SCIENCE _____
4	PHYSICAL EDUCATION / SCIENCE LAB
5	LUNCH
6	MATHEMATICS _____
7	WORLD LANGUAGE* _____
8	ART/MUSIC/THEATRE _____
9	ELECTIVE _____
10	