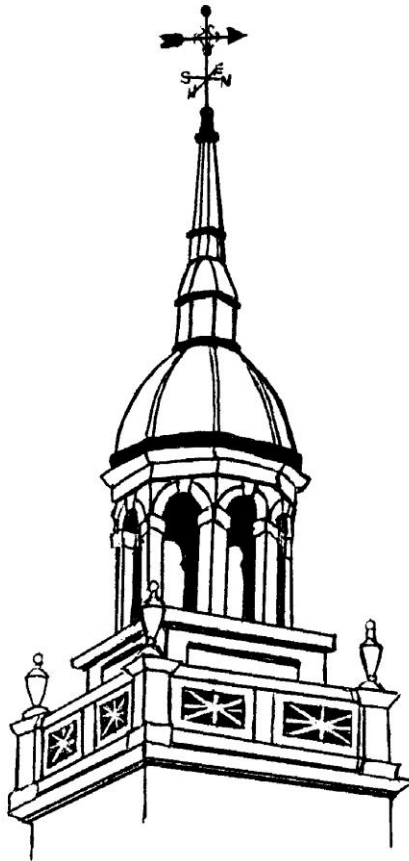


GARDEN CITY HIGH SCHOOL



COURSE DESCRIPTIONS

2023-2024

GARDEN CITY HIGH SCHOOL
170 Rockaway Avenue
Garden City, New York 11530
(516) 478-2000

Board of Education

Joseph Sileo	President
Tom Pinou	Vice President
Arthur Gnecco	Trustee
William O'Donohue	Trustee

District Administration

Dr. Kusum Sinha	Superintendent of Schools
Dr. Edward Cannone	Assistant Superintendent for Curriculum/Instruction
Nanine McLaughlin	Assistant Superintendent for Human Resources and Leadership Development
Dana DiCapua	Assistant Superintendent for Business & Finance
Janine Villez	Director of Pupil Personnel Services
Dr. Rita Melikian	Interim Director of Educational Technology and Staff Development

High School Administration

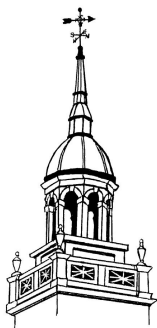
Kevin Steingruebner	Principal
David Perrotta	Assistant Principal
Connor Cohn	Assistant Principal
Mandi Stefankiewicz	Assistant Principal for Guidance and PPS

Counseling Center

Timothy Casale	School Counselor
Patrick Doyle	School Counselor
Kate Higgins	School Counselor
Jeanne Kennedy	School Counselor
Katie Schweitzer	School Counselor
Ryan Shanley	School Counselor

Curriculum Coordinators/Directors

Jeannette Balantic	Social Studies
Dr. Elena Cascio	Science
Christina Cardella	Mathematics
Eduardo Ramirez	Physical Education
Amanda Hauser	Art and Music
Lauren Kaufman	Literacy



GARDEN CITY PUBLIC SCHOOLS

170 Rockaway Avenue, Garden City, NY 11530-0216

Tel: (516) 478-2000

Fax (516) 294-2639

<http://highschool.gardencity.k12.ny.us/>

Kevin Steingruebner, Principal
David Perrotta, Assistant Principal
Mandi Stefankiewicz, Assistant Principal
Connor Cohn, Assistant Principal

Inspiring Minds
Empowering Achievement
Building Community

January 2023

Dear Students,

Garden City High School will offer many opportunities to you during your time here. You will be faced with important decisions about what clubs to join, what teams to try out for, and which classes to take. This document full of course descriptions will help you become more informed about the choices for the classes that are available to you in all subject areas; some of them will be required for you to take, and others will be electives that you can choose based on your interests and path you wish to move forward on.

High school is a chance to challenge yourself and prove that you are willing to work hard and prepare for your future endeavors. As you discuss your options with your parents, counselors and teachers, take it seriously and consider carefully the impact these choices have on your academic success. We also expect that you will honor the commitment you are making when you decide to sign up for these classes.

It is important to reflect upon your current progress as you move forward and set goals for your future. Be mindful of the decisions you make every day to be a successful student and a good person.

Good luck for a productive 2023-2024 school year!

#Always Better

A blue ink handwritten signature that reads "K. Steingruebner".

Kevin Steingruebner
Principal

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GARDEN CITY HIGH SCHOOL MISSION STATEMENT

The mission of Garden City High School is to provide a physically safe and emotionally secure environment, where students are challenged to strive for personal excellence through educational, athletic, creative and extra-curricular pursuits. Our goal and responsibility are to help each student develop an enthusiasm for learning, a respect for self and others, and the skills to become a creative independent thinker and problem solver.

INTRODUCTION

This booklet has been prepared to assist the students at Garden City High School in selecting their programs of study for the following school year. Each department has listed its proposed course offerings and a brief description of each course. Also included are grade-level requirements, prerequisites, and credits granted for successful completion. Students should understand the requirements for graduation, as well as specific department requirements, when planning their programs. Every student in the high school is required to earn a minimum of 22 credits to meet graduation requirements, and study a minimum of six (6) courses in addition to physical education each year.

Student programs reflect individual decisions, and include a number of factors: performance in present classes, aptitude, goals, interests, and future plans. Students should consult with their parents, school counselors, and subject teachers before a final determination of course selection is made. Students should select programs that are commensurate with their abilities.

A course will run only if there is sufficient enrollment. If there is a scheduling conflict, a student will need to choose an alternate to his or her original selection.

A great deal of time and effort is expended in selecting subjects. The master schedule, which is based on staff and room utilization, is formulated on the basis of original student requests. **As a result, students are prohibited from making requests for changes to their course selection (date to be determined) except for the following reasons:**

1. Requested course(s)/elective(s) were not available or in conflict
2. Missing or incorrect course
3. Insufficient number of courses (all students must carry minimum of 6 courses plus PE)
4. Level change (note: by the end of the 1st quarter)
5. Adding a course
6. Previous failure with assigned teacher

Necessary changes will be made after the parent portal is open in late August. Any requests for changes must be submitted on a **Correction of Error Google Form**.

Garden City High School Add/Drop/Level Change Policy

Schedule changes will only be considered for sound educational reasons and must have the approval of all involved parties.

- SENIORS must carry a minimum of six classes in addition to Physical Education each semester.
- Students must use the official Add/Drop/Level Change form when requesting a change.
- The appropriate deadline will be met if the form is dated/received by the Counseling Center by the designated date.

DROP

A dropped course will not appear on the student's record if it is dropped within the first 15 days of the course/semester.

WITHDRAW (W)

If a course is dropped after the first 15 days of the course/semester, a W will be indicated on a student's transcript; grades from these courses will not be computed in a student's average. No partial credit will be awarded. All requests for removal of W must be presented to the GCHS Student Review Team (SRT). The SRT must support the request for removal of W and the principal must approve the request.

ADD

Students will be permitted to add a first semester or year long course within the first four weeks of school with Guidance and Curriculum Coordinator approval.

LEVEL CHANGE

Level changes down will be permitted until 1st quarter grades are submitted and reviewed. Students are encouraged to remain in honors, advanced placement, and college level courses. Level changes during the school year may result in significant changes in students' schedules for all their subjects. Grades will be adjusted by 5%.

GRADUATION REQUIREMENTS

<u>Required Subjects</u>	<u>Regents Diploma</u>	<u>Regents Diploma with Advanced Designation</u>
English	4	4
Social Studies	4	4
Math	3	3
Science	3	3
Health	½	½
Art/Music	1	1
Electives	3½	1½
Physical Education	2	2
World Language	<u>1</u>	<u>3</u> ** (see next page)
TOTAL UNITS	22	22

ASSESSMENTS

Regents Diploma*

English Regents
 One Math Regents
 One Social Studies Regents
 One Science Regents
 +
 One Humanities, STEM, LOTE,
 CTE, or Arts, Pathway Approved
 Assessment

Regents Diploma with Advanced Designation*

English Regents
 Algebra Regents
 Geometry Regents
 Algebra 2 Regents
 Global History Regents
 U.S. History Regents
 Two Science Regents
 -Living Environment and (1) Physical Setting-
 World Language FLACS Exam** (see next page)

Regents Diploma with Math and/or Science Distinction

3 Math Regents with 85% or above on each exam and/or
 3 Science Regents with 85% or above on each exam

** Students can receive either a Regents Diploma with honors or Regents Diploma with Advanced Designation with honors if the overall average of required Regents Exams is 90% or higher.*

Local Diploma: General education students and English Language Learners via appeal, as well as classified students, may be eligible to obtain a local diploma. Please see your counselor to discuss the low pass option, compensatory safety net, and superintendent's determination if applicable.

Successful completion of a 5-unit sequence in Art and passing a Department approved Pathway Assessment in the Arts (AP score of 3 or higher) may be used to meet the fifth assessment requirement for graduation with a Regents diploma.

In lieu of two additional credits in LOTE (Language other than English) and the locally developed checkpoint B LOTE exam, the World Language FLACS exam, a student may substitute 5 units of credit in a sequence of Art, Music, or Business to obtain an Advanced Regents diploma. Identified below are some of the options available:

Sample Music Sequence

Music Industry, Technology &
Theory – 1 credit **(Required)**
AP Music Theory – 1 credit **(Required)**
Concert Choir -1 credit
Chamber Choir -1 credit
Women’s Chorus -1 credit

Sample Art Sequence

Studio Art I – 1 credit **(Required)**
Studio Art II - 1 credit
Studio Art III -1 credit
AP Studio Art -2 credits
or
Studio Art I – 1 credit **(Required)**
Photo 1 - 1 credit
Photo 2 - 1 credit
Photo 3 - 1 credit
Photo 4 - 1 credit

Sample Business Sequence

Entrepreneurship -½ credit **(Required)**
Finance -½ credit **(Required)**
Marketing and Advertising -½ credit **(Required)**
Multimedia -½ credit **(Required)**
College Accounting -1 credit
College Business Law -½ credit
College Business Management -½ credit
College Marketing – ½ credit
Fashion Marketing -½ credit

There are several alternate pathways to graduation. Please refer to the following New York State Education link <http://www.p12.nysed.gov/ciai/gradreq/intro.html> for Diploma Requirements as well as appeal information to graduate with a lower score on a Regents exam. See your school counselor for further information.

GARDEN CITY HIGH SCHOOL

HONORS SELECTION POLICY

Honors Criteria – Grade 9

After 8th grade third quarter grades are submitted, students who have a subject area average of 95 or higher and a 90 on the benchmark exam when applicable, will be preliminarily placed in the 9th grade Honors level course. Students with a subject area average of 92-94.99 can appeal to be in an Honors level course by completing the Honors Appeals Google Form in late Spring. The appeal period ends by the last day of the school year. Each department will work with 8th grade teachers to review student performance with an emphasis on the benchmark assessments. Parents will then be notified about the outcome of the appeal.

For Science only: Students taking Science 8 will only be placed in the Earth Science Regents course. We do not offer Honors level in Earth Science. Students who take the Earth Science Regents course in 8th grade will be preliminarily placed in Living Environment Honors based on a subject area average of 95, benchmark assessments, and teacher recommendation. Students can complete the Opt-in/Opt-out Honors Google Form to self-select placement without appeal. The form must be completed by the last day of the school year. Please contact the Science Curriculum Coordinator if you have questions about the rigors of the Honors program.

Honors Criteria – Grades 10-12

Students who are currently enrolled in an Honors or AP course will be rolled over into the next Honors or AP course if they have at least an 85 course average at the end of the third quarter.

Students who are currently enrolled in a Regents course will be invited to enroll in an Honors or AP course if they have at least a 92 course average at the end of the third quarter and a 90 on the midterm/2nd quarter benchmark assessment, if applicable. Where there are no midterm/2nd quarter benchmark assessments for consideration, the class average will be the sole criterion.

For Science only: students may self-select to take Honors and AP classes. Students will be preliminarily placed based on their class average, midterm/benchmark assessment grade, and teacher recommendation. Students can complete an Opt-in/Opt-out Honors Google Form to self-select placement without appeal. The form must be completed by the last day of the school year. It is recommended that students speak with their School Counselor before completing the form. Please contact the Science Curriculum Coordinator if you have questions about the rigors of the Honors program.

Honors Appeals

At the end of the third quarter, course placements will be mailed home. Students with a course average of 90-91.99 can appeal to be in an Honors level course by completing the Honors Appeals Google Form in late Spring. Appeals must be completed by the last day of the school year. Curriculum Coordinators, lead teachers, and School Administrators will serve as the appeals committee and render a decision about placement. Parents will be notified about the outcome of the appeal.

For Science only, there are no Honors Appeals. Students can change their placement by completing the Opt-in/Opt-out Honors Google Form before the last day of the school year.

Contact: Curriculum Coordinator/School Counselor

HONORS, ADVANCED PLACEMENT (AP), AND COLLEGE COURSES

Honors, Advanced Placement, and College courses in various subject areas are significantly more challenging and therefore, require greater time and effort to meet course demands, including homework. As a result, these courses are weighted differently. Honors courses receive weighting of 1.03, and Advanced Placement (AP) and College courses receive weighting of 1.06. Please note, students enrolled in Advanced Placement courses are required to take and pay for all Advanced Placement examinations.

COMPLETION OF COURSES

Students who have taken a course and earned a passing grade will be scheduled for the following course level. Students may NOT repeat courses that have earned passing grades. Please note, this does not apply to Regents examinations.

ART

The Art department provides students with outstanding Fine Arts experiences while introducing and preparing them for STEAM oriented careers. Digital Photography and Computer Graphics align with the growing demand for students to be prepared for college and careers that focus on Science, Technology, Engineering, Art and Math. Drawing, painting and sculpture courses allow students to express themselves using different mediums. STEAM oriented courses prepare students to use technology creatively.

AP Studio Art, Media Arts and Photography Pathways

5 units of credit in Art provides a pathway towards earning an Advanced Regents diploma in lieu of two additional credits in LOTE (Language other than English) and the locally developed checkpoint B LOTE exam, the World Language FLACS exam.

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Studio Art 1 (required) ⇒	Studio Art 2 ⇒	Studio Art 3 ⇒	AP Studio Art: Drawing Portfolio or Art 4
Studio Art 1 (required) ⇒	Media Arts 1 ⇒	Media Arts 2 ⇒	AP Studio Art: 2D Design Portfolio, Media Arts Portfolio
Studio Art 1 (required) ⇒ Photography 1	Photography 2 ⇒	Photography 3 ⇒	AP Studio Art: 2D Design Portfolio or Photography 4
Studio Art 1 (required) ⇒	Studio Art 2 ⇒	Sculpture 1 Sculpture 2 ⇒	AP Studio Art: 3D Design Portfolio

HONORS CREDIT FOR STUDIO ART 1, 2, 3, & 4, Media Arts 1, 2

A student may elect to receive honors credit for Studio Art 1, 2, 3, or 4. We have set up a series of problems that require brainstorming and creative solutions. To receive honors credit, the student must complete the specified assignment that will include a two-hour practical exam. Students will showcase their solutions and their completed projects during final exam week.

No grade will be given. Students will be granted either Honors credit or no Honors credit at the end of the fourth quarter. The student must also receive a 92 or better in their art class. A student contract and specific deadlines are required.

STUDIO ART 1 – 7000
Grades 9, 10, 11, 12

Full year - 1 credit

This course is a foundation “How to” course presenting The Elements and Principles of Design. The emphasis will be on creativity in a wide range of media and techniques.

Studio Art 1 is the only approved Art class that can fulfill the New York State graduation requirement in the Arts. Studio Art 1 must be used towards obtaining a 5-unit Regents sequence in Art (if chosen). Any of the following Art courses listed below can also be used to complete the 5-unit Regents sequence in Art.

STUDIO ART 2: Drawing/Painting/3-D Design – 7020

Full year - 1 credit

Grades 10, 11, 12

Prerequisite: Successful completion of Studio Art 1

This is a transition course between Studio Art 1 and the methods of Studio Art 3. Students will alternate semesters with a concentration in drawing/painting one semester and 3-D design/sculpture the next semester. **This course may be used towards obtaining an Advanced Regents sequence in Art.**

STUDIO ART 3: Advanced Drawing/Painting/3-D Design – 7040

Full year - 1 credit

Grades 11, 12

Prerequisite: Successful completion of Studio Art 2

This is an advanced studio workshop in fine art and design. Students will learn techniques in drawing and painting with an emphasis on individual expression. It is also a pre-AP environment creating works suitable for early college portfolio presentations. **This course may be used towards obtaining an Advanced Regents sequence in Art.**

STUDIO ART 4 – 7050

Full year - 1 credit

Grade 12

Prerequisite: Successful completion of Studio Art 3

This course is designed to meet the needs of art students who cannot take AP art for the required two periods in their senior year. Emphasis will be placed on creating individuality in a wide range of media. No AP credit is given. **This course may be used towards obtaining an Advanced Regents sequence in Art.**

AP STUDIO ART – 7060 – 2 periods

Full year - 2 credits

Grade 12

Drawing Portfolio

Prerequisite: Successful completion of Studio Art 3

2D Design Portfolio

Prerequisites: Successful completion of Studio Art 1, 2, Computer Graphics II and Advanced Computer Graphics I, or Photography 3 and Digital Photography

3D Portfolio

Prerequisites: Successful completion of Studio Art 3 and Sculpture

Recommended: Successful completion of Art Honors in Studio Art 1, 2, and 3, and successful completion of Computer Graphics and Photography.

Advanced Placement Art is offered to students who intend to pursue the study of art as a vehicle for personal growth. It is strongly recommended for those who intend to pursue advanced study in the Fine Arts at the College or University level, or plan to pursue art as a career. Students will receive instruction in portfolio preparation in fine arts: Drawing, 2-Dimensional Design, or 3- Dimensional Design. Students enrolled in the course will be expected to produce a portfolio of work, recorded in digital form, for presentation to colleges and the Advanced Placement Board.

Students will select a portfolio focus for the year's work:

The Drawing Portfolio is intended to address a broad interpretation of drawing issues and media. Light and shade, line quality, rendering of form, composition, surface manipulation, and illusion of depth are drawing issues that can be addressed through a variety of means.

The 2-D Design Portfolio is intended to address a broad interpretation of two-dimensional design issues involving purposeful decision-making about how to use the elements and principles of art in an integrative way. Students are required to demonstrate proficiency in 2-D design using a variety of art forms.

The 3-D Design Portfolio is intended to address a broad interpretation of sculptural issues in depth and space. These may include mass, volume, form, plane, light and texture. Such elements and concepts may be articulated through additive, subtractive, and/or fabrication processes. The student will prepare a minimum of 15 pieces of artwork in various media illustrating various concepts and techniques. An additional 12 projects that concentrate on a specific concept will be completed with an accompanying commentary on the development of the project. All students are required to have a one-person art show. **This course may be used towards obtaining an Advanced Regents sequence in Art.**

MEDIA ARTS 1- 7025

Full year – 1 credit

Grades 10, 11, 12

Prerequisite: Successful completion of Studio Art 1

Media Arts is a foundation level course that incorporates the New York State Learning Standards for the Arts. During this full year course, students will experiment in the fields of Fine Arts, Computer Graphics, Web Design, Film Animation and Digital Photography. Students will have the opportunity to combine traditional and contemporary mediums to sharpen skills in creativity, problem-solving and visual thinking through different styles and techniques using technology.

MEDIA ARTS 2 – 7030

Full year – 1 credit

Grades 11, 12

Prerequisite: Successful completion of Media Arts 1

Media Arts 2 is a full year course that allows students the opportunity to expand on prior knowledge and experiences gained in Media Arts 1. This course incorporates the New York State Learning Standards for the Arts, combining inquiry, collaboration and process-based learning in fields of Fine Arts, Computer Graphics, Web Design, Film Animation and Digital Photography. Throughout the year, Media Arts 2 students will advance their technological skills through investigation, discovery, connection, creation and reflection through project-based lessons.

SCULPTURE 1 – 7170

Half year - ½ credit

Grades 10, 11, 12

Prerequisite: Successful completion of Studio Art 1

This course is an introduction to three-dimensional design. Students will use a variety of media such as: clay, cardboard, plaster, and papier-mâché to create artwork that has intrinsic meaning. Students will also get an opportunity to explore the potter's wheel as another method of art making. All students should find personal success as they explore and understand the differences between additive and subtractive processes. **This course may be used towards obtaining an Advanced Regents sequence in Art.**

SCULPTURE 2 – 7172

Grades 11, 12

Prerequisite: Successful completion of Sculpture 1

Half year – ½ credit

This sculpture class will build on the knowledge acquired in Sculpture 1 and expand more into conceptual and figurative sculpture. Students will learn about more advanced methods of sculpture by using molds, casting, carving, etc. Larger works and collaborative works will be created. **This course may be used towards obtaining an Advanced Regents sequence in Art.**

PHOTOGRAPHY 1 – 7100

Grades 9, 10, 11, 12

Full year - 1 credit

Photography 1 is a comprehensive challenging course, emphasizing the fundamentals of the camera, film and printing. Students are encouraged to expand their understanding of history and contemporary photography. Students will photograph, develop and print black and white photographs for display. Students must have an updated 35 mm film camera with exposure metering and manually adjustable f-stops and shutter speeds, film, paper, and other basic supplies. Assignments will require a student to photograph during and outside of the school day. Students will be provided with chemicals and mounting supplies. Approximate cost of materials for full year is \$175.00. Photography 0.5 may be approved on an individual basis for the fall semester. **This course may be used towards obtaining an Advanced Regents sequence in Art.**

PHOTOGRAPHY 2 – 7120

Grades 10, 11, 12

Prerequisite: Photography 1

Full year - 1 credit

This course extends the study and experimentation in darkroom and digital darkroom. Photography 2 is a rigorous course requiring weekly participation in photography assignments. Photography 2 promotes students to explore the things that truly interest them and may strike the resonant chord that leads to a life-long passion. Students will sharpen their visual perception and become more aware of their environment by means of personal interpretation of subject matter. Curriculum encompasses photographic technologies and provides analysis of trends in photographic practice, digital darkroom as well as basic Photoshop. Students will prepare a body of work to be presented as a digital portfolio. Assignments will require a student to photograph during and outside of the school day. Students must have an updated 35 mm film camera with exposure metering and manually adjustable f-stops and shutter speeds, film, paper and other basic supplies. Although not required, having access to a tripod and cable release will provide beneficial. Approximate cost of materials for full year is \$150.00 (provided they are using the same camera from previous years, otherwise the cost will be at least \$200.00). **This course may be used towards obtaining an Advanced Regents sequence in Art.**

PHOTOGRAPHY 3 – 7140

Grades 11, 12

Prerequisites: Photography 2

Full year - 1 credit

This course is designed to give those students with a serious interest in photography an opportunity to explore new techniques and ideas. Students will continue to develop the portfolio and mount a display of pictures that will demonstrate various concepts and approaches to the art of photography. The curriculum will cover advanced Photoshop and digital darkroom techniques. Students will prepare a body of work to be presented as a digital portfolio. Assignments will require a student to photograph during and outside of the school day. Students must have an updated 35mm film camera with exposure metering and manually adjustable f-stops and shutter speed, film paper and other basic supplies. Although not required, having access to a tripod and cable release will prove beneficial. Approximate cost of materials for full year is \$150.00 (provided they are using the same camera from previous years, otherwise the cost will be at least \$200.00). **This course may be used towards obtaining an Advanced Regents sequence in Art.**

PHOTOGRAPHY 4 – 7150

Full year - 1 credit

Grades 11, 12

Prerequisite: Photography 3

Photography 4 is for the self-disciplined student who wants a challenge. Students integrate technical skills from Basic and Intermediate photography to create a resolved and consistent digital portfolio. Students conduct extensive research on particular subjects; practice advanced photographic techniques. This course integrates the technical and conceptual understandings that the student has acquired in photography through development of personally defined photographic projects. Emphasis will be on furthering explorations in the study of personal expression and development of creative style. This course is an in-depth investigation of the relationship between subject matter, concept, and technical decision making. Building on a firm understanding of film, exposure, processing, and printing, students will experiment with a variety of techniques and aesthetic approaches. Assignments will require a student to photograph outside of the school day. Students must have both an updated 35 mm film camera and access to a digital camera with at least 8 megapixels, both cameras with exposure metering and manually adjustable f-stops and shutter speed, film paper and other basic supplies. Although not required, having access to a tripod and cable release will prove beneficial. Approximate cost of materials for full year is \$150.00 (provided they are using the same camera from previous years and already have access to a digital camera, otherwise the cost will be at least \$400.00). **This course may be used towards obtaining an Advanced Regents sequence in Art.**

BUSINESS EDUCATION

Colleges and employers know that a student with a business sequence has mastered many of the skills required for success in the business world. Please see your school counselor for more information on graduation requirements.

Grade 9	Grade 10	Grade 11	Grade 12
Animation and Video Media Business Law Business Management Entertainment and Sports Marketing Entrepreneurship* Fashion Marketing Finance* Marketing and Advertising* Multimedia* Video Game Marketing	Animation and Video Media Business Law Business Management Entertainment and Sports Marketing Entrepreneurship* Fashion Marketing Finance* Marketing and Advertising* Multimedia* Video Game Marketing College Accounting** College Business Law** College Business Mgmt.** College Marketing**	Animation and Video Media Business Law Business Management Entertainment and Sports Marketing Entrepreneurship* Fashion Marketing Finance* Marketing and Advertising* Multimedia* Video Game Marketing College Accounting** College Business Law** College Business Mgmt.** College Marketing**	Animation and Video Media Business Law Business Management Entertainment and Sports Marketing Entrepreneurship* Fashion Marketing Finance* Marketing and Advertising* Multimedia* Video Game Marketing College Accounting** College Business Law** College Business Mgmt.** College Marketing**

*5 units of credit in Business provides a pathway towards earning an Advanced Regents Diploma in lieu of two additional credits in LOTE (Language other than English) and the locally developed checkpoint B LOTE exam, the World Language FLACS exam.

**Through the Adelphi's college credit Advantage Program, Adelphi University offers the courses noted above at a reduced tuition rate of \$390 per course, which are one semester in length. The curriculum for all college level courses was developed in conjunction with Adelphi University. All course work is completed at Garden City High School. Students can earn 3 college credits for semester (1/2 year) courses and 6 credits for full year courses (College Accounting).

ANIMATION AND VIDEO MEDIA – 6136
 Grades 9, 10, 11, 12

Half year - ½ credit

This project-based course takes an interactive approach to multimedia. Students create and edit presentations using animation, video, and sound. Adobe Flash, an interactive animation program as well as Windows Movie Maker, a video-editing program will be utilized throughout the semester. Students will work on several projects on an individual and group basis. Projects will include: the creation of movies, a video of song lyrics, a commercial for a product of their choosing, and other exciting projects. **Animation and Video Media may be taken for honors credit by completing an assigned project. This course may be used towards obtaining an Advanced Regents sequence in Business.**

BUSINESS LAW – 6040, 6030
 Grades 9, 10, 11, 12

6040 - Full year - 1 credit
 6030 - Half year - ½ credit

Students explore the world of crime, torts and contract law by using realistic examples to illustrate and examine important legal concepts. Relating those concepts to students' lives generates interest. Students also access on-

line computer services to review and extract information available via legal databases. Business Law provides a practical background for those who need these skills as business or law majors in college. **Business Law may be taken for honors credit by completing an assigned project. This course may be used towards obtaining an Advanced Regents sequence in Business.**

COLLEGE BUSINESS LAW – 6045

Half year - ½ H.S. credit - 3 college credits

Grades 10, 11, 12

Students will examine current cases and case law relating to torts, crimes, and contracts. This is a fast-paced course with legal concepts to be debated and researched. The responsibilities of minors and adults, employees and employers, and businesses and customers will be covered.

College credit can be obtained through Adelphi University’s high school program and is transferable to most colleges and universities. This course may be used towards obtaining an Advanced Regents sequence in Business and receives “college course weight”. The earned grade is multiplied by 1.06.

BUSINESS MANAGEMENT – 6240

Half year - ½ credit

Grades 9, 10, 11, 12

The need for highly qualified leaders has taken on increasing importance as the business world looks to address the unique challenges of the 21st century. This course helps to prepare the student who aspires to be a leader in a world that will require skills in a multitude of environments (financial, technological, marketing, legal) including the ability to plan strategically and to communicate with people on all levels. Managers from a wide variety of local businesses will address the class to discuss their approaches to the decision-making process.

Business Management may be taken for honors credit by completing an assigned project. This course may be used towards obtaining an Advanced Regents sequence in Business.

COLLEGE BUSINESS MANAGEMENT – 6245

Half year - ½ H.S. credit - 3 college credits

Grades 10, 11, 12

The business world is looking for highly qualified leaders who are ready to take on the challenges of 21st century business. College Business Management helps to prepare students who will lead in the financial, technological, marketing, and legal fields of the future. Managers from local business will be utilized as guest speakers and “real world” resources. **College credit can be obtained through Adelphi University’s high school program and is transferable to most colleges and universities. This course may be used towards obtaining an Advanced Regents sequence in Business and receives “college course weight”. The earned grade is multiplied by 1.06.**

COLLEGE ACCOUNTING – 6070, 6080

6070 - Full year - 1 H.S. credit - 6 college credits

Grades 10, 11, 12

6080 - Half year - ½ H.S. credit - 3 college credits

College Accounting is an accelerated course in which students can earn college credit by demonstrating competency in accounting. A thorough computerized investigation and analysis of accounting principles and operations for small businesses, partnerships, and corporations is explored in detail. Students use the business education computer lab to design solutions to projects and case studies. **College credit can be obtained through Adelphi University’s High School Program and is transferable to most colleges and universities. This course may be used towards obtaining a Regents sequence in Business and receives “college course weight”. The earned grade is multiplied by 1.06.**

ENTERTAINMENT AND SPORTS MARKETING – 6152

Half year - ½ credit

Grades 9, 10, 11, 12

Prerequisite: Marketing and Advertising recommended

This project-based course will utilize the conceptual base established in Marketing and Advertising, and will focus on all facets of entertainment and sports marketing including sponsorship, promotion, sales and event marketing, communications and stadium layout and design. **Entertainment and Sports Marketing may be taken for honors credit by completing an assigned project. This course may be used towards obtaining an Advanced Regents sequence in Business.**

ENTREPRENEURSHIP – 6010

Half year - ½ credit

Grades 9, 10, 11, 12

Entrepreneurship, the act of creating a new enterprise, is undertaken by millions of individuals each year. By meeting the wants and needs of consumers, entrepreneurs turn their ideas into goods and services and, at the same time, build rewarding careers for themselves. This course takes students through the entire process of owning their own business, from skills required to identify and meet a market need, to critical thinking, planning, financing, and hiring. Emphasis is placed on the ability to recognize opportunities and avoid pitfalls. Any student, who envisions himself/herself as an owner of a business one day, or as an active participant in the business world, will find this course an excellent resource. **This course may be taken for honors credit by completing an assigned project. *Entrepreneurship is required by students obtaining an Advanced Regents sequence in Business.**

FASHION MARKETING – 6145

Half year - ½ credit

Grades 9, 10, 11, 12

Prerequisite: Marketing and Advertising recommended

This project-based course allows students to explore the exciting world of fashion. Students develop the conceptual base in marketing that was introduced in Marketing and Advertising. As part of the course, students take an in-depth look at current trends in fashion. Students will develop their own fashion brand throughout the semester and will learn how to sew using a sewing machine. They will sew and design scrunchies, a tote bag, shirt, and one additional project. Students will also create a window display for their brand as part of visual merchandising. Students will become aware of how marketing shapes the fashion industry and learn about possible career opportunities in fashion. This course may be used towards obtaining a Regents sequence in Business. **This course may be taken for honors credit by completing an assigned project.**

FINANCE – 6090

Half year - ½ credit

Grades 9, 10, 11, 12

An introductory financial survey course which explores the basics of investments, with special attention on the securities market, real estate, banking, insurance and taxes. Students complete a semester-long computer project which tracks the activity of selected stocks, utilizing spreadsheets. They also familiarize themselves with the social, political and ethical implications of financial activities. The objective of this course is to have students better understand the financial options available to them. **This course may be taken for honors credit by completing an assigned project. *Finance is required by students obtaining an Advanced Regents sequence in Business.**

MARKETING AND ADVERTISING – 6150

Half year - ½ credit

Grades 9, 10, 11, 12

An introductory course that examines business activities involved in the process of getting products or services to the customer. Major emphasis is placed on the marketing mix, consumer behavior, marketing research, selling techniques, mechanics of ad creation and visual merchandising, retailing and careers in marketing. Students will demonstrate their skills by completing a marketing simulation in a computer lab. This course is the prerequisite for Sports Marketing, Fashion Marketing and Video Game Marketing. **This course may be taken for honors credit by completing an assigned project. *Marketing and Advertising is required by students obtaining an Advanced Regents sequence in Business.**

COLLEGE MARKETING – 6155

Half year – H.S. ½ credit - 3 college credits

Grades 10, 11, 12

Students will explore the role of marketing as it exists in the U.S. and globally. Topics covered include the marketing mix, marketing research, marketing strategy, new product development, consumer behavior, and competitive analysis. The course will include a combination of presentations, case studies, projects, and in-class discussions. College credit can be obtained through Adelphi University’s high school program and is transferable to most colleges and universities. **College credit can be obtained through Adelphi University’s high school program and is transferable to most colleges and universities. This course may be used towards obtaining an Advanced Regents sequence in Business and receives “college course weight”. The earned grade is multiplied by 1.06.**

MULTIMEDIA – 6130

Half year - ½ credit

Grades 9, 10, 11, 12

This project-based course is for the student who is interested in putting computer knowledge to use in a high-tech world. Several programs will be used during the course of the semester. These programs include *Adobe PhotoShop, Adobe Illustrator and Microsoft Publisher*. Students will enhance their desktop publishing skills during the course of the semester. Students will work on several projects on an individual and group basis. **This course may be taken for honors credit by completing an assigned project. *Multimedia is required by students obtaining an Advanced Regents sequence in Business.**

VIDEO GAME MARKETING – 6195

Half year - ½ credit

Grades 9, 10, 11, 12

Prerequisite: Marketing and Advertising recommended

Students will have a chance to create video games and market them effectively in this course. The course will develop students’ conceptual base in marketing that was introduced in Marketing and Advertising. The 4 P’s of marketing, including product, price, place, and promotion will be discussed with an emphasis on a video game as the product. Game Maker, a game developing program, and additional game design resources will be used to give students the opportunity to create their own games. The course will take a look at the knowledge, technology, and resources needed to design and market games in this interactive industry. **Video Game Marketing may be taken for honors credit by completing an assigned project. This course may be used towards obtaining an Advanced Regents sequence in Business.**

COLLEGE COURSES:

College Business Law – 6045

College Business Management – 6245

College Marketing – 6155

College Accounting - 6070 (Full year I & II)

College Accounting 1 – 6080

College Accounting II – 6072

Grades 10, 11 and 12 Only:

The curriculum, which was written by members of our Business Education Department, was approved by Adelphi University and is updated every three years. These courses will build upon the skills learned in other high school business courses and continue to enhance understanding of business principles and concepts. Students have the potential to earn six college credits for College Accounting and three credits per high school semester for Business Law, College Business Management and College Marketing. College credit can be obtained through Adelphi University’s High School Program and is transferable to most colleges and universities. Please note, students may also opt out of receiving college credit. We will grant college weight (1.06) to our college courses.

Points of Information as per Adelphi University:

- The course will be offered at a reduced tuition rate of \$390 per course (subject to change), which is one semester in length. Please note as per Adelphi University the fee is non-refundable. Late fee is \$35.
- Withdrawals are not permitted unless the student leaves school or is dropped from the course by administration.
- Students may register for up to two courses per semester.
- A failing grade does not automatically warrant a withdrawal.
- No new students may be added to the roster after the final registration date.
- All students must have a social security number to be enrolled.
- Registration takes place online at <https://class.adelphi.edu/hsp/>

ENGLISH

Below are typical English course selections for each grade. Students may move between levels based on their performance, skills, and prerequisites. Please contact the curriculum coordinator if you have any questions.

	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Required	Eng. 8	English 9R Or English 9H	English 10R Or English 10H (Pre – AP)	English 11R Or AP English Language	English 12 Or AP English Literature
Electives		Theater Arts I Creative Writing Exploring Journalism Through Multimedia Experiences	Theater Arts I, II Creative Writing Exploring Journalism Through Multimedia Experiences	Theater Arts I, II, III Creative Writing Ethics in Print Film Appreciation *Greece & Rome Rediscovered Exploring Journalism Through Multimedia Experiences	Film Appreciation Creative Writing Ethics in Print Greece & Rome Rediscovered Exploring Journalism Through Multimedia Experiences <hr/> Theater Arts I, II, III, IV College Scene Study & Analysis

*11th Graders can seek department approval to take this course

ENGLISH 9 – 1100, 1110, 1140

Full year - 1 credit

Grade 9

Prerequisites: 1100 9R: Completion of eighth grade English
 1110 9H: Completion of eighth grade English and Honors Policy Applies
 1140 9CT: Completion of eighth grade English and CSE recommendation
 1109 9SC: Completion of eighth grade English and CSE recommendation

The Grade 9 program emphasizes basic skills in reading, writing, speaking, listening, literature and language development, and meets the Next Generation Learning Standards for English Language Arts. Students will study Shakespeare, classics, multicultural contemporary literature, and complete the components of the research paper writing process.

ENGLISH 10 – 1200, 1220, 1240

Full year - 1 credit

Grade 10

Prerequisites: 1200 10R: Completion of ninth grade English
 1220 10H (Pre-AP) Completion of ninth grade English and Honors Policy Applies
 1240 10CT: Completion of ninth grade English and CSE recommendation
 1141 10SC: Completion of ninth grade English and CSE recommendation

The 10R program enhances and broadens students' basic skills in reading, writing, speaking, and listening. The programs promote the study of global literature including Shakespeare, classic, and contemporary works while meeting the Next Generation Learning Standards for English Language Arts.

ENGLISH 10H (Pre-AP) – 1220

Full year - 1 credit

Grade 10

Prerequisite: Honors Policy Applies

The curriculum for the 10H (Pre-AP) class includes a mixture of Multicultural and American literature. The course emphasizes critical reading, writing and analysis of major works from select genres as well as the understanding of literary trends and historical settings to meet the requirements of the Next Generation Learning Standards. Students must engage in class discussion and debate, hone analyses skills and write thematically targeted papers.

ENGLISH 11 – 1300, 1340

Full year - 1 credit

Grade 11

Prerequisites:	1300 11R:	Completion of tenth grade English
	1340 11CT:	Completion of tenth grade English and CSE recommendation
	1142 11SC:	Completion of tenth grade English and CSE recommendation

The 11th grade program extends and refines the language arts skills attained in Grades 9 and 10. A thematic and historical approach to the study of American literature is emphasized to promote a richer understanding of literary genres, writing styles, and critical analysis. This course will require analytical and creative expression through writing and to meet the requirements of the Next Generation Learning Standards for English Language Arts. (Students will sit for the English Regents Exam in June)

English 12 – 1400, 1143

Full year – 1 credit

Grade 12

Prerequisite:	1400 12R:	Completion of eleventh grade English
	1400 12CT:	Completion of eleventh grade English and CSE recommendation
	1143 12 SC:	Completion of eleventh grade English and CSE recommendation

This course is required for all seniors with the exception of AP English students and is aligned with the Next Generation Learning Standards to ensure college and career readiness. The course will showcase a range of reading complex level texts. As a 12th grade course, it will include analysis of multiple interpretations of full-length works as a survey of Contemporary Works of Literature. Students will engage in reading exercises and practice close-text analysis; they will hone reading and writing to further develop skills related to literary analysis. All students will write a 1500-word research paper about a single piece or related pieces of literature, the literary movement, and follow the current MLA guidelines. (This project is a graduation requirement). Students will also develop their speaking skills by delivering a variety of oral presentations and engaging in Socratic seminars. This 12th grade course of study will be taught as a full year course.

AP ENGLISH LANGUAGE – 1390

Full year - 1 credit

Grade 11

Prerequisite: Honors Policy Applies

AP English Language and Composition chronologically covers, but is not limited to, various periods in United States literature and history. The focus will be on students becoming skilled readers of prose written during a variety of historical periods and in rhetorical contexts. Their writing and reading will make them aware of the interactions among a writer's purpose, audience expectations, and subjects. Additionally, students will become aware of conventions and resources of language available to writers. Students will practice expository, analytical, and persuasive writing, which forms the basis of academic and professional communication, as well as personal and reflective writing. This is a college-level course. Students will take the Advanced Placement Exam in May. Students will also sit for the English Regents Exam.

AP ENGLISH LITERATURE & COMPOSITION – 1420

Full year - 1 credit

Grade 12

Prerequisite: Honors Policy Applies

This is a college-level course primarily, but not exclusively, for students who completed AP English Language and Composition in their junior year. AP Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. Unlike in AP English Language and Composition, the course places a considerable emphasis on the analysis of poetry which comprises 40% of the AP English Literature and Composition exam. Through close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students are asked to consider a work's structure, style, and themes, as well as smaller-scale elements such as the use of figurative language, imagery, and symbolism. The course includes intensive study of works of various genres from the sixteenth century to the present. Students who select this class should be capable writers. Students will take the Advanced Placement Exam in May.

FILM APPRECIATION – 1646

Half year - ½ credit

Grade 10, 11, 12

Film Appreciation is aimed at increasing students' understanding of and experience with the creative process of filmmaking. Special attention is given to the historical background of films highlighting the music, culture, trends, personalities, and values of the time period surrounding its release. Classes critically evaluate a series of films of diverse genres through analysis of critics' reviews. They will complete journal entries and conduct a visual presentation. Students are also introduced to the basics of film production and screenwriting via a group short-subject film assignment. Finally, they will learn basic digital video filming, editing and authoring processes. **This course does not meet NCAA requirements for Division I & Division II eligibility.**

GREECE AND ROME REDISCOVERED – 1900

Full year - 1 credit

Grade 11*, 12

*11th Grade students who wish to take this course must have department approval

This course is an interdisciplinary study of the cultures of the ancient Mediterranean. The course is dedicated to the study of Greek and Roman culture and to clarifying and assessing its continuing impact on contemporary life. Students will engage in an examination of history, archeology, art, architecture, philosophy, religion, science, politics, mythology, language, and especially the literature of Greece and Rome.

This large group lecture class will be co-taught by one social studies teacher and one English teacher. Assessments which include exams, quizzes, extensive essay writing, debate and exhibitions will be evaluated by both teachers. The successful completion of this year long course yields one elective credit (½ credit for social studies and ½ credit for English).

ETHICS IN PRINT – 1648

Half year - ½ credit

Grades 11, 12

This elective, designed to heighten students' oral, written, and reading comprehension skills, poses ethical questions that are relevant to college-bound adults. Potential topics for debate are elder care, CEO crime, nepotism and plagiarism, as well as topics derived from literature and ripped from the headlines of various print media. This course will allow students to focus on current, relevant issues and the gray lines that have been drawn by changing values in contemporary society. This topical course will help prepare students for business conversation and academic debate.

EXPLORING JOURNALISM THROUGH MULTIMEDIA EXPERIENCES – 1291 Half year - ½ credit
Grades 9,10, 11, 12

In this course, students will receive a multifaceted foundation in the evolving field of journalism. They will explore the core tenets of researching, interviewing, and reporting to develop journalistic writing pieces that include topics such as news, sports, opinion, and photo. Students will read a variety of journalistic writing pieces to determine if they are exemplary models of well-researched journalism. Students will be active participants in the process of creating digital journalism through a series of multimedia experiences that reflect media outlets today including podcasting, digital narratives, blogging, vlogging and photojournalism. Projects will enable students to explore topics relevant to the school and community in Garden City and personal interests. This elective will also analyze social media, the spread of misinformation and the connection to journalism. Students will develop a digital journalism portfolio that highlights their work throughout the course and contribute to Garden City High School's publication Echo.

CREATIVE WRITING – 1641
Grades 9, 10, 11, 12

Half year - ½ credit

This course is for students who are interested in creative writing and who want to improve their writing skills. Students will be given the opportunity to publish their work in school and community publications. Students will analyze various creative writing techniques and study different writers and their styles. The course will inspire creativity, encourage revision, and promote individual style in a workshop setting. At the end of each semester, the students will have produced a portfolio that could be submitted to literary reviews and magazines.

ENGLISH AS A NEW LANGUAGE – 9700
Grades 9, 10, 11, 12

Full year – 1 credit

The English as a New Language program at Garden City High School serves students in grades 9-12 and follows the NYS Learning Standards for ENL. The program is designed to teach English to non-English speaking students from any and all language backgrounds. It is a progressive approach incorporating the four skills of language acquisition - listening, speaking, reading and writing. Emphasis is placed on the academic content areas so that at all levels of instruction, students are provided with the necessary language tools to help them succeed in the mainstream classroom.

READING FOR MEANING – 1050
Grades 9, 10, 11, 12

Full year – alternate days

This class is designed to meet the individual needs of its participants in a small group setting based on district criteria. Students receive instruction on strategies to help develop decoding/encoding skills, vocabulary via context clues, structural analysis skills, study skills, and basic grammar usage. In addition, several strategies will be presented to increase reading comprehension through the practice of reading narrative and informational texts for understanding.

THEATER ARTS I – 1500
Grades 9, 10, 11, 12

Full year - 1 credit

This introduction to the theater course meets the New York State standards in the performing arts. Areas of study include improvisation, pantomime, voice and diction, acting, scene study, theater history, principles of set, lighting, and costume design, make-up, elements of criticism, play production, and oral interpretation. Active participation in school productions is encouraged. **This course fulfills the New York State Regents requirement for one credit in art/music.**

THEATER ARTS II – 1510

Full year - 1 credit

Grades 10, 11, 12

Prerequisite: Theater Arts I

An advanced continuation of Theater Arts I, Theater Arts II will supplement the foundation established in that class. Prior theater topics will be reinforced and further developed in Theater Arts II. In addition, dramatic literature and the principles of directing will be introduced. Individual and group projects will be assigned in conjunction with Theater Arts III. Theater Arts II students will have experience coaching first-year students. Active participation in school productions is encouraged.

THEATER ARTS III – 1520

Full year - 1 credit

Grades 11, 12

Prerequisite: Theater Arts II

The third year of Theater Arts continues to enhance student knowledge of the performing arts. Students will be able to pursue independent projects in theater under teacher supervision and guidance. Theater Arts III students are expected to provide mentoring for first and second-year students. Independent study projects will be assigned and leadership positions in school productions are required.

THEATER ARTS IV – 1530

Full year - 1 credit

Grade 12

Prerequisites: Theater Arts III and teacher recommendation

This course is an advanced level of theater study where a student considers a continuation of theater training and demonstrates exceptional leadership qualities. Theater Arts IV will require that students act as teaching assistants, mentors, and coaches; they will establish quarterly goals. These include, but are not limited to, after school productions and conducting classroom lessons on some area of theater or stage management.

COLLEGE SCENE STUDY AND ANALYSIS - 1540

Half year – ½ H.S. credit - up to 2 college credits

Grade 11 & 12 (Not offered in 2023-2024 school year)

Prerequisites: Completion of Theater Arts II or Department Approval

This course is a study of theater from the actor's point of view. This course is an intermediate acting class with an in-depth focus on scene study and play analysis. Expanding upon the basic ensemble-building and character investigations of Theater Arts I and II, the student works to intensify simple character investigation through analyzing, rehearsing and performing in partnered and multi-character scenes. College credit can be obtained through Adelphi University's Theater Department and is transferable to most colleges and universities. It should be noted that we will grant college weight (1.06) to this course.

To qualify for college credit, Adelphi University requires students to register in September and submit a fee of \$360 (subject to change).

Class Learning Goals

Students will: 1) Explore dramatic texts analytically to understand an assigned role's relationship to other characters in the text; 2) Develop understanding of their chosen role within a larger context; 3) Practice interactive techniques through two- or multi-actor scenes; 4) Build upon Stanislavskian techniques for strong intention-building first experienced through monologue work done in previous Theater Arts classes.

HEALTH

HEALTH – 6410

Half year - ½ credit

Grade 10, 11, 12

This course places emphasis on the wellness approach to good health by stressing the need for balance in social, physical and emotional development. Health behaviors that can reduce personal risks are discussed and students gain access to valid health information, health products and services. Students are taught the importance of evaluating personal health risks. The importance of planning for a healthy future is highlighted and opportunities for self reflection on personal health issues and concerns are provided. Students participate in health-related community service projects and in individual and group activities/assignments. **This course is a requirement for graduation.**

Health must be scheduled during the Fall/Spring semesters. Summer school is only available for students who do not pass the course during the school year.

MATHEMATICS

The Mathematics Department completed the transition of the New York State Next Generation curriculum for New York State Mathematics program. All of our courses have been designed with a focus on our students and are consistent with the Regents requirements. In addition, the courses reflect the necessary components of the State Standards (NGSS) in preparation for the NYS Regents examinations in Algebra 1, Geometry and Algebra 2. The appropriate placement in a mathematics course can have significant impact upon a student’s academic success. Please contact the Mathematics Curriculum Coordinator if you have any questions.

The following are sample course sequences within the mathematics program for students.
Students can move in and out of sequences based on criteria.

9th ⇨	10th ⇨	11th ⇨	12th ⇨
Geometry H	Algebra 2 H	Introduction to BC H; and AP Statistics as an elective	AP Calculus BC; and/or AP Statistics
Geometry (R or H)	Algebra 2 (R or H)	Introductory Calculus	Calculus H; and/or AP Statistics
Algebra 1 (R or H)	Geometry (R or H)	Algebra 2 (R or H)	AP Statistics; Applied Statistics; Introductory Calculus; Calculus H

Electives (grades offered):
Mathematics Research H (9, 10, 11, 12)
Mathematics Problem Solving (9, 10, 11, 12)

ALGEBRA 1 H – 3112

Full year - 1 credit

Grade 9

Prerequisites: Completion of Math 8 and Honors Policy Applies

The New York State Next Generation Algebra program, in association with selected enrichment topics, is melded to form the curriculum for this honors class. Instructional units include: operations with algebraic expressions, properties of polynomials, solving linear/quadratic equations, graphing equations and inequalities, solutions to systems of linear/quadratic equations and other coordinate topics. This course is very similar to the one offered to accelerated students in the eighth grade at the Garden City Middle School. It will only be offered when there are sufficient numbers of qualified ninth grade students. A graphing calculator (TI84+) will be used extensively in this course. This class will prepare students to take the Algebra 1 Regents examination in June.

ALGEBRA 1 R – 3117, 3127CT

Full year - 1 credit

Grade 9

Prerequisite: 3117 Algebra 1 R Completion of Math 8
 3127 Algebra 1 CT Completion of Math 8 and CSE recommendation
 9903 Algebra 1 SC Completion of Math 8 and CSE recommendation

In this class, students will study the NYS Next Generation Algebra syllabus of our three-year Mathematics Program. It contains units in the study of: algebraic expressions, solving linear and quadratic equations, graphing linear equations and inequalities, coordinate geometry, identification of roots (zeros) and their

significance. The use of a graphing calculator (TI84+) is an integral part of this course. The co-taught mathematics course (3125) and special class (9903) also prepares students for the NYS Algebra 1 Regents as they will work closely with both the mathematics and special education teachers. Additional instructional support will be recommended by the faculty as needed. This class prepares students to take the NYS Algebra 1 Regents examination in June. This examination is a requirement for a high school diploma.

ALGEBRA SUPPORT – 3130

Full year – alternate days

Grade 9

Prerequisites: Completion of Math 8 and faculty recommendation

This class meets on alternating days and generates a pass/fail grade. The goal of the course is to provide students with additional instruction to promote better mathematical understanding and practice.

GEOMETRY H – 3212

Full year – 1 credit

Grade 9

Prerequisites: Completion of Algebra 1 and Honors Policy Applies

The New York State Next Generation Geometry curriculum together with selected enrichment topics, constitutes the course content for this honors class. Instructional units include: logical reasoning, proof, indirect proof, perpendicular and parallel line properties, angle properties, triangle properties, circle properties, rigid motion, and 3-dimensional properties. Within this honors course, topics will be studied in greater depth and detail. A graphing calculator (TI84+) will be used extensively in this course. This class will prepare students to take the Geometry Regents examination in June.

GEOMETRY R – 3217, 3227CT

Full year – 1 credit

Grade 10

Prerequisite: 3217 Geometry R Completion of Algebra 1
 3227 Geometry CT Completion of Algebra 1 and CSE recommendation

The New York State Next Generation Geometry curriculum, content for this class includes topics such as reasoning, formal proof, perpendicular and parallel line properties, angle properties, triangle properties, circle properties, rigid motion, and 3-dimensional properties. A graphing calculator (TI84+) will be used extensively in this course. This class will prepare students to take the CCSS Geometry Regents examination in June. The co-taught mathematics course (3225) also prepares students for the NYS Geometry Regents as they will work closely with both the mathematics and special education teachers. Additional instructional support will be recommended by the faculty as needed. This examination is a requirement for a high school Regents diploma with distinction.

GEOMETRY SUPPORT- 3230

Full year – alternate days

Grade 10

Prerequisite: Completion of Algebra 1 and faculty recommendation

Based upon departmental consideration, in conjunction with the Counseling Department and parents, student will be assigned to Geometry Support. This class will meet every-other day and will generate a pass/fail grade. The goal of the course is to provide identified students with additional instruction to promote better mathematical understanding.

ALGEBRA 2 H– 3312

Full year – 1 credit

Grades 10, 11

Prerequisites: Completion of Geometry and Honors Policy Applies

The New York State Next Generation Algebra 2 curriculum, together with selected enrichment topics, constitutes the course content for this honors class. Instructional units include: solving quadratic and linear equations, factoring polynomial expressions, simplify complex fractional expressions, geometric and arithmetic sequences, infinite geometric series, transformational properties, logarithmic applications, statistical measures of dispersions, characteristics of normal distributions, and theoretical probabilities. Within this honors course, topics will be studied in greater depth and detail. A graphing calculator (TI84+) will be used extensively in this course. This class will prepare students to take the Algebra 2 Regents examination in June.

ALGEBRA 2 R– 3317, 3327

Full year – 1 credit

Grades 10, 11

Prerequisite: 3317 Alg. 2/Trig. R Completion of Geometry
3327 Alg. 2/Trig. CT Completion of Algebra and CSE recommendation

The New York State Next Generation Algebra 2 curriculum, content for this class includes topics such as quadratic and linear equations, factoring polynomial expressions, simplify complex fractional expressions, geometric and arithmetic sequences, transformational properties, statistical measures of dispersions, characteristics of normal distributions, and theoretical probabilities. A graphing calculator (TI84+) will be used extensively in this course. This class will prepare students to take the Algebra 2 Regents examination in June. The co-taught mathematics course (3327) also prepares students for the NYS Algebra 2 Regents as they will work closely with both the mathematics and special education teachers. Additional instructional support will be recommended by the faculty as needed.

ALGEBRA 2 – 3070

Full year – 1 credit

Grades 11, 12

Prerequisite: Completion of Algebra 1

This course will follow a modified New York State Next Generation Algebra 2 curriculum. Content for this class includes a study and application of concepts such as linear and quadratic equations and functions, exponential functions, polynomials, geometric and arithmetic sequences, transformations, statistics and probability. A graphing calculator (TI84+) will be used in this course. This class will not prepare students to take the Algebra 2 Regents examination. This class will serve as a replacement for Math 3/4.

ALGEBRA 2 SUPPORT- 3330

Full year – alternate days

Grades 10, 11

Prerequisite: Completion of Geometry and faculty recommendation

Based upon departmental consideration, in conjunction with the Counseling Department and parents, student will be assigned to Algebra 2 Support. This class will meet every other day and will generate a pass/fail grade. The goal of the course is to provide identified students with additional instruction to promote better mathematical understanding.

PRACTICAL MATH - 9904SC

Full year – 1 credit

Prerequisite: CSE recommendation

Special Class Practical Math course guides learners toward mastery of consumer math concepts. Through practice, review, word problems, and real-world activities, this course is designed to teach everyday mathematics skills that everyone needs. Skills focus on financial literacy and education such as budgeting, to enable students to embark more confidently on their adult lives.

INTRODUCTORY CALCULUS – 3400

Full year - 1 credit

Grades 11, 12

Prerequisite: Completion of Alg. 2 or department approval

Introductory Calculus is designed to reinforce and develop beyond the curriculum presented in Algebra 1, Geometry and Algebra 2. Topics studied include: the review of functions, theory of equations, trigonometric equations, identities, and graphs, radian measure, law of sines and cosines and applications, polar coordinates, conic sections, matrix operations and applications, limits, continuity, and derivatives. Many of these topics are typical of those that a student might study in an introductory college mathematics course. This course is an essential prerequisite for college calculus. Graphing calculators are recommended for this course.

CALCULUS H – 3470

Full year - 1 credit

Grade 12

Prerequisites: Completion of Alg. 2 Regents and Honors Policy Applies

*Students may progress from Calculus H to AP Calculus BC with the permission of the department. Students will be required to take a college level introductory calculus class to prepare for AP Calculus.

This full year course in the study of Calculus is designed to allow students the experience of college level mathematics without the detailed rigor (and stress) of the Advanced Placement program. The syllabus is very similar to that of the AB Calculus course; but topics are not covered in sufficient depth to enable students to take the AB Calculus Advanced Placement examination. The typical Calculus H student will have scored an 85 or higher on the Alg.2 Regents. Contained in this honors course are topics such as: limits, differentiation, elementary integration, and their applications. The use of a graphing calculator is an integral part of this course. A school constructed examination will be administered at the midterm and at the completion of the course. Calculus H is not a replacement course for Introduction to BC Calculus H. Calculus H is intended for graduating seniors. All other students must receive department permission.

INTRODUCTION TO BC CALCULUS H – 3600

Full year - 1 credit

Grade 11

Prerequisites: Completion of Alg. 2 H and Honors Policy Applies

Introduction to BC-Calculus is the first year of our two-year program leading to Advanced Placement Calculus – BC level. This course serves a dual function – it provides a detailed introduction to the many necessary concepts of introductory calculus and it also prepares students with the skills required for the future study of Advanced Placement mathematics. Topics taught in this honors course include: mathematical functions, limits, coordinate geometry, the derivative and its application, review of algebra and trigonometry, conic sections, polar equations, methods of integration and common integral applications. The use of a graphing calculator is a critical part of this course since these calculators are required by the College Board for the AP Calculus examination. Students enrolled in this course will take a department constructed midterm and final examination to complete the year of study.

AP CALCULUS – BC – 3460

Full year - 1 credit

Grade 12

Prerequisites: Introduction to BC Calculus or department approval and Honors Policy Applies

AP Calculus is the continuation of our Introduction to BC Calculus course. The course is intended for students who have a thorough knowledge of analytic geometry and elementary functions in addition to college preparatory mathematics. All students in this course prepare to take the BC Calculus Advanced Placement examination in May. Calculus BC curriculum content is considerably more extensive than Calculus AB. The use of a graphics calculator is an integral part of this course and is required for the AP examination. All students enrolled in this course will take the AP examination in May.

APPLIED STATISTICS - 3570**Full year – 1 credit**

Grades 11, 12

Prerequisites: Completion of Algebra 2 or department approval

The Applied Statistics course is an option for any student who has successfully completed Algebra 2. At least one statistics course is typically required for college majors such as engineering, psychology, sociology, health science, and business. This course can be a good preparation for those areas of study. Applied Statistics provides students with an introduction to important topics in statistics by focusing on the statistical thinking behind data collection and analysis. The course is project-based and is designed to build students' skills and offer real-world activities, such as interpreting surveys, election polls, and medical studies, and defining a research question and using representative data to find an answer. Topics include sampling, surveys, experimental design, organizing data, distributions, probability, and inference.

AP STATISTICS – 3580**Full year - 1 credit**

Grades 11, 12

Prerequisites: Completion of Algebra 2 Regents or department approval and Honors Policy Applies

The Advanced Placement Statistics course is an option for any student who has successfully completed the Alg.2 Regents examination. The typical AP Stat student will have scored an 88 or higher on the Alg.2 Regents. At least one statistics course is typically required for college majors such as engineering, psychology, sociology, health science, and business. The AP Stat course is a good preparation for these areas of study. The use of a graphing calculator (TI-84+ is recommended) is a mandatory instructional tool for the course, and is required on the Advanced Placement examination. Topics studied include graphical displays, data collection methods, distributions of data, probability, and statistical inference. Students are expected to interpret case study scenarios and write a description of an appropriate conclusion. All students enrolled in this course will take the Advanced Placement Statistics examination in May.

MATHEMATICS RESEARCH H – 3740**Full year - 1 credit**

Grades 9, 10, 11, 12

Prerequisites: Department approval and Honors Policy Applies

Candidates admitted into the Honors Mathematics Research Program independently study a variety of topics that are not normally found in a secondary school program. Although there is no designated class time for this program during the school day, participants are expected to attend meetings, conferences and seminars, to produce individual and group projects suitable for presentation, and to keep a portfolio. Students may submit projects in competitions such as the Long Island Mathematics Fair or the Intel Talent Search. In order to sufficiently pursue a topic in detail, the directors of the program would like to encourage students to participate for more than one year. Students will receive credit for each year of participation.

MATHEMATICAL PROBLEM SOLVING – H - 3750**Half year – ½ credit**

Grades 9, 10, 11 and 12

Honors Policy Applies

This is the perfect class for students interested in mathematical contests, tricky problems and logical puzzles. Students will learn how to integrate a variety of mathematical topics and develop the clever problem-solving strategies to attack the types of exercises often found on the American Mathematics Contest (AMC 10/12) examination. This course will be offered during the Fall Term in preparation for the national AMC contest (typically held in February). Taught through a thinking-skills perspective, Mathematical Problem Solving will include content topics from algebra, geometry, trigonometry, probability and statistics.

COMPUTER SCIENCE

The computer science (coding) electives are continuously reviewed and modified to reflect current trends in the academic study of technology, computational language and coding. The courses we offer emphasize the coding in computer languages such as Visual Basic, Java, and HTML. It is the department's perspective that today's students should know more than just how to use software – they should understand the coding concepts behind the software.

Elective courses (grades offered):

Introduction to Computer Science (9,10,11,12)

Introduction to Computer Science (9,10,11,12)

Web Program and Design (9, 10, 11, 12)

AP Computer Science Principles (9, 10, 11, 12)

AP Computer Science A (10, 11, 12)

INTRODUCTION TO COMPUTER SCIENCE I – 3805

Half year – ½ credit

Grades 9,10,11,12

Prerequisite: Completion of Algebra 1

This is an introductory-level course for students new to programming and computer science. Students do not need to have prior programming experience. This course is taught using Python, with a unique focus on creative problem solving and real-world applications, students are challenged to explore how computing and technology can impact the world. Python is a general-purpose programming language great for beginners. It is now one of the most popular and widely used programming languages in the world. This course covers everything you need to write your own Python programs from scratch covering data structures, simple calculations, loops, conditions, functions and EarSketch.

INTRODUCTION TO COMPUTER SCIENCE II – 3815

Half year – ½ credit

Grades 9,10,11, 12

Prerequisite: Introduction to Computer Science 1

This high-level coding course is a continuation of Introduction to Computer Science I. Introduction to Computer Science II may be taken for honors credit by completing assigned project(s). Students dive deeper into Python fundamentals with more advanced topics such as arrays, creating functions, conditional statements, debugging and creating your own webpage. In this course, you will learn how to solve problems in systematic and logical ways, and how to design these solutions and code them into programs that can be executed by a computer.

WEBSITE PROGRAMMING AND DESIGN – 3821

Half year - ½ credit

Grades 9, 10, 11, 12

This half year computer science elective will help students to better understand the structure of the Internet. Students will learn how to write code with HTML to design and maintain a website. Topics presented in this course will include: ethical issues of the internet, history of the internet, security concerns, appropriate e-mail usage and legal issues associated with e-mail, web page architecture, and web-page design concepts. This course makes extensive use of Adobe Dreamweaver.

AP COMPUTER SCIENCE PRINCIPLES- 3505

Full year - 1 credit

Grades 9, 10, 11, 12

Prerequisite: Successful completion of Algebra 1 and Honors Policy Applies

The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computer course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. Students enrolled in this course prepare to take the Advanced Placement Computer Science Principles examination in May.

AP COMPUTER SCIENCE A – 3500

Full year - 1 credit

Grades 10, 11, 12

Recommended Prerequisite: Successful completion of Algebra 2 or co-enrollment in Algebra 2H

AP Computer Science A is equivalent to a first-semester, college-level course in computer science. This Advanced Placement course emphasizes structured programming (coding) techniques using high-level languages. Applications include data structures, lists, algorithms. Also includes a study of hardware, software and the role of the computer in society. It is important to understand that any significant computer science course builds upon a foundation of mathematical reasoning that should be acquired before attempting such a course. Students enrolled in this course prepare to take the Advanced Placement Computer Science – Level A examination in May. The Advanced Placement examination developed by the College Board will utilize the programming language Java.

MUSIC AND PERFORMING ARTS

Garden City High School offers a wide variety of creative outlets within its award-winning Music Department. Listed below are the courses available to students for each grade level. Please note, many music courses require prerequisite ensemble experience, auditions, and/or the recommendation from the department. Please contact the curriculum coordinator if you have any questions.

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Chorus Band Orchestra Electronic Music Guitar	Concert Choir Music Industry, Technology and Theory H Music Theory H Orchestra Symphonic Band Theater Arts I	Concert Choir Women’s Chorus Chamber Choir Music Industry, Technology and Theory H Music Theory H Orchestra Symphonic Band Wind Symphony Theater Arts I Theater Arts II AP Music Theory	Concert Choir Women’s Chorus Chamber Choir Music Industry, Technology and Theory H Music Theory H AP Music Theory Orchestra Wind Symphony Wind Ensemble Theater Arts I Theater Arts II Theater Arts III	Concert Choir Women’s Chorus Chamber Choir Music Industry, Technology and Theory H Music Theory H AP Music Theory Orchestra Wind Symphony Wind Ensemble Theater Arts I Theater Arts II Theater Arts III Theater Arts IV
<u>Before or after school ensembles</u>	<u>After school ensembles:</u>	<u>After school ensembles:</u>	<u>After school ensembles:</u>	<u>After school ensembles:</u>
AM Jazz *	Chamber Orchestra*	Chamber Orchestra*	Chamber Orchestra*	Chamber Orchestra*
Late Night Jazz*	Jazz Ensemble *	Marching Band*	Marching Band*	Marching Band*
Marching Band*	Marching Band*	Jazz Ensemble*	Jazz Ensemble*	Jazz Ensemble*
Festival Chorus* (AM)	Vocal Jazz *	Vocal Jazz*	Vocal Jazz*	Vocal Jazz*

***Ensembles that meet outside of regular school hours and/or school days**

5 units of credit in Music & Performing Arts provides a pathway towards earning an Advanced Regents diploma in lieu of two additional credits in LOTE (Language other than English) and the locally developed checkpoint B LOTE exam, the World Language FLACS exam. The following daytime performing groups can fulfill the New York State graduation requirement for one credit in music. They may also be used towards obtaining a sequence in music. AP Music Theory must be taken if obtaining the Advanced Regents sequence in music. **Please note: all students participating in performance ensembles are required to attend approximately three pull-out lessons each quarter that are done on a rotating basis. The lessons contribute to 20-30% of the student’s grade. Although students have selected a pre-scheduled time for lessons during the school day, there are numerous opportunities to attend lessons before school, during their lunch period or another agreed upon make-up time if students have conflicts.**

CONCERT CHOIR – 8020
Grades 9, 10, 11, 12

Full year - 1 credit

Admission to Concert Choir is open to all students who are interested in studying voice and performing in a large ensemble. The Concert Choir is the largest choral ensemble in the high school. Students’ progress through a curriculum that includes basics of proper vocal technique, tone production, sight-singing, and music literacy while preparing music of a wide variety of styles for performances. Students learn the basic elements of music, such as rhythm-reading, key signatures, time signatures and identifying the letter names of notes on

the treble and bass clef. Students also learn to sight-sing using solfege and accompanying Curwen hand signs. The instructional program requires students to participate in both the daily full rehearsals and smaller lesson groups which are scheduled periodically on a rotating basis. Attendance is mandatory at specified concerts, as well as dress rehearsals. There are also a number of additional performance opportunities in the community and the region. Some years include the possibility of participation in overnight performance field trips. Students are encouraged to study voice or piano privately, and to perform NYSSMA solos which can lead to selection for All-County, All-State, or All-Eastern Chorus. Students in Concert Choir are eligible to audition for Vocal Jazz Ensemble, a credit course that meets once a week outside of the regular school day. **This course fulfills the New York State graduation requirement for one credit in music and may be used towards obtaining an Advanced Regents sequence in music. Honors Credit is available to students enrolled in this class. Please see the teacher for specific criteria.**

CHAMBER CHOIR – 8050

Full year - 1 credit

Grades 10, 11, 12 Please note: On occasion, when there is an ensemble need, 9th grade students may be admitted by department invitation only.

Prerequisite: Audition and approval of the department. The class size is limited to a balanced ensemble.

Chamber Choir is a select ensemble of mixed voices, which performs advanced vocal repertoire of a variety of styles. The instructional program requires students to participate in both the daily full rehearsals and smaller lesson groups which are scheduled periodically on a rotating basis. Attendance is mandatory at specified concerts, as well as dress rehearsals. Performance oriented field trips and other enrichment opportunities may be provided. Students are strongly encouraged to study voice or piano privately, and to perform NYSSMA solos which can lead to selection for All-County, All-State, or All-Eastern Chorus. Students in Chamber Choir are eligible to audition for the Vocal Jazz Ensemble, a credit course that meets twice a week outside of the regular school day. **This course fulfills the New York State graduation requirement for one credit in music and may be used towards obtaining an Advanced Regents sequence in music.** Honors credit is available for students in grades 10, 11 and 12 who have already completed one year in a GCHS music performance. **Honors Credit is available to students enrolled in this class. Please see the teacher for specific criteria.**

WOMEN'S CHORUS – 8060

Full year - 1 credit

Grades 10, 11, 12 Please note: On occasion, when there is an ensemble need, 9th grade students may be admitted by department invitation only.

Prerequisite: Audition and approval of the department. The class size is limited to a balanced ensemble.

Women's Chorus is a select ensemble of female voices, which performs advanced vocal repertoire of a variety of styles. The instructional program requires students to participate in both the daily full rehearsals and smaller lesson groups which are scheduled periodically on a rotating basis. Attendance is mandatory at specified concerts, as well as dress rehearsals. Performance oriented field trips and other enrichment opportunities may be provided. Students are strongly encouraged to study voice or piano privately, and to perform NYSSMA solos which can lead to selection for All-County, All-State, or All-Eastern Chorus. Students in Women's Chorus are eligible to audition for Vocal Jazz Ensemble, a credit course that meets twice a week outside of the regular school day. **This course fulfills the New York State graduation requirement for one credit in music and may be used towards obtaining an Advanced Regents sequence in music.** Honors credit is available for students in grades 10, 11 and 12 who have already completed one year in a GCHS music performance. **Honors Credit is available to students enrolled in this class. Please see the teacher for specific criteria.**

ORCHESTRA – 8140

Full year - 1 credit

Grades 9, 10, 11, 12

Prerequisites: Audition and approval of the department, and successful experience in the 8th Grade Orchestra (or equivalent school ensemble if student is new to the district).

The String Orchestra rehearses daily throughout the year. The repertoire represents a diversity of traditional, contemporary and multicultural music. In addition to the daily rehearsals, attendance is mandatory at group lessons, dress rehearsals, assemblies and concerts. Students are encouraged to take private lessons and to perform NYSSMA solos that can lead to selection for the Long Island String Festival, All-County and All-State Orchestras. Students enrolled in Orchestra may participate in performance-oriented field trips. **This course fulfills the New York State graduation requirement for one credit in music and may be used towards obtaining an Advanced Regents sequence in music. Honors Credit is available to students enrolled in this class. Please see the teacher for specific criteria.**

SYMPHONIC BAND – 8125

Full year - 1 credit

Grades 9, 10

Prerequisites: Satisfactory evaluation of the student's achievement in the 8th Grade Band (or equivalent school ensemble if student is new to the district) or admittance through audition and approval of the department. Students must also meet the performance criteria outlined in the "Band Program Guide." The class size is limited to a balanced ensemble.

The Symphonic Band is a large, intermediate instrumental ensemble in which students perform important standard and contemporary works of the wind band repertoire. This is achieved through participation in both the daily full ensemble rehearsals and smaller lesson groups which are scheduled periodically on a rotating basis. Students must meet the performance criteria outlined in the "Band Program Guide" (available for review through the Music Department). In this course, students will begin to explore more advanced literature and must meet the technical and musical demands of **NYSSMA Levels 4 repertoire**. They are expected to demonstrate mastery of their instruments and comprehensive musicianship as it pertains to tone quality, balance, blend, and intonation. Stringent attendance requirements are maintained. Students are strongly encouraged to study privately and to perform NYSSMA solos that can lead to selection to the All-County, All-State or All-Eastern Band or Orchestra. Attendance is mandatory at all specified performances and rehearsals. Performance oriented field trips and other enrichment opportunities are also offered. **This course fulfills the New York State graduation requirement for one credit in music and may be used towards obtaining an Advanced Regents sequence in music. Honors Credit is available to students enrolled in this class. Please see the teacher for specific criteria.**

WIND SYMPHONY – 8315

Full year - 1 credit

Grades 10, 11, 12

Prerequisites: Approval of the department and demonstrated mastery of the Symphonic Band course requirements and successful experience during the prior school year in the Symphonic Band (or equivalent school ensemble if student is new to the school or district). Students must also meet the performance criteria outlined in the "Band Program Guide." The class size is limited to a balanced ensemble of approximately 60 members. Students in grade 9 may be admitted based upon instrumentation needs, a successful audition process, and at the discretion of the department.

The Wind Symphony is a progressive ensemble designed to further challenge accomplished and devoted wind and percussion players. Stringent attendance requirements are necessary. Students are expected to maintain the highest performance standards at all times while meeting the technical and musical demands of NYSSMA level 5 repertoires. They are strongly encouraged to study privately and to perform NYSSMA solos that can lead to

selection to the All-County, All-State or All-Eastern Band or Orchestra. Attendance is mandatory at all specified performances and rehearsals. Students are expected to participate in the performance-oriented field trips and other enrichment opportunities that are offered by the music department. **This course fulfills the New York State graduation requirement for one credit in music and may be used towards obtaining an Advanced Regents sequence in music. Honors Credit is available to students enrolled in this class. Please see the teacher for specific criteria.**

WIND ENSEMBLE – 8300

Full year - 1 credit

Grades 11, 12

Prerequisites: Audition and approval of the department and successful experience during the prior school year in the Symphonic Band or Wind Symphony (or equivalent school ensemble if student is new to the school or district). Students must also demonstrate mastery of the performance criteria outlined in the “Band Program Guide.” The class size is limited to a balanced ensemble of approximately 45 members. Students in grades 9 and 10 may be admitted based upon instrumentation needs, a successful audition process, and at the discretion of the department.

The Wind Ensemble is the smallest, most advanced ensemble of the band program in which the most dedicated and proficient student wind and percussion players perform important standard and contemporary works of the wind band repertoire. This is achieved through participation in both the daily full ensemble rehearsals and smaller lesson groups which are scheduled periodically on a rotating basis. Enrollment is limited to the instrumentation needs of the ensemble, with often only one player per part, to those students who meet the performance criteria outlined in the “Band Program Guide” (available for review through the Music Department), and the demands of a rigorous audition process. Stringent attendance requirements are necessary. Students are expected to maintain the highest performance standards at all times, as much of the repertoire is at NYSSMA level 6. They are strongly encouraged to study privately and to perform NYSSMA solos that can lead to selection to the All-County, All-State or All-Eastern Band or Orchestra. Attendance is mandatory at all specified performances and rehearsals. Students are expected to participate in the performance-oriented field trips and other enrichment opportunities that are offered by the music department. **This course fulfills the New York State graduation requirement for one credit in music and may be used towards obtaining an Advanced Regents sequence in music. Honors Credit is available to students enrolled in this class. Please see the teacher for specific criteria.**

MUSIC INDUSTRY, TECHNOLOGY AND THEORY H– 8515

Full Year – 1 credit

Grades 9, 10, 11, 12 (Pre-AP)

Music Industry and Music Technology are becoming increasingly popular as Music majors in many colleges and universities. This course will not only teach the necessary music theory skills that these college majors require but will explore jobs in the music world as well as in the technical end of the entertainment industry. Students will create music using software while also learning the basics of recording sound, editing sound, and live sound production. Students will also have the opportunity to hear from guest speakers within the music community. The second half of this course will focus on the rules and principles involved in the language of music. Students will develop skills in analyzing music aurally and visually and will fulfill a primary prerequisite toward the development of musical skills in composing, arranging, harmonizing, and improvising music.

The course is recommended for students interested in pursuing music as a career beyond high school and/or students who have a serious interest in learning about the music profession and the foundations of music.

This course or Music Theory will function as a prerequisite for AP Music Theory. **This course fulfills the New York State graduation requirement for one credit in music.**

MUSIC THEORY H – 8525

Grades 9, 10, 11, 12 (Pre-AP)

Half year – ½ credit

Spring Only

Music Theory is an elective music course designed for students who wish to gain an understanding of the basic rules and principles involved in using the language of music. This half year knowledge based elective music course will help students to increase their ability to analyze music aurally and visually and will fulfill a primary prerequisite toward the development of music skills in composing, arranging, harmonizing, and improvising music. The course makes use of music computer technology, and includes training in software such as Auralia and Musition. Music Theory is recommended for students interested in pursuing music as a career beyond high school and/or for students who have a serious interest in learning more about the theoretical study of music and composition.

This course, or Music Industry, Technology and Theory will function as a prerequisite for AP Music.

AP MUSIC THEORY – 8530

Grades 10, 11, 12 (Not offered in 2023-2024 school year)

Full year - 1 credit

Prerequisite: Music Theory/or Music Industry, Technology and Theory H or approval of the department

AP Music Theory is a college level music course that studies not only the *what* and *how* of music structure, but also engages in the more ambitious questions of *why* and *what if*. Skills ranging from sight-singing and aural recognition to visual analysis and composition form the curriculum. Students in this course work to develop a “seeing ear” and a “hearing eye” in preparation for the AP exam. The course builds on the use of music computer technology learned in Theory. All students enrolled in this course will take the AP Music Theory Examination in May. **This course is required by students obtaining an Advanced Regents sequence in music.**

THEATER ARTS I – 1500

Grades 9, 10, 11, 12

Full year - 1 credit

This introduction to the theater course meets the State standards in the performing arts. Areas of study include improvisation, pantomime, voice and diction, acting, scene study, theater history; principles of set, lighting, and costume design; make-up, elements of criticism, play production, and oral interpretation. Active participation in school productions is encouraged. **This course fulfills the New York State graduation requirement for one credit in art/music.**

THEATER ARTS II – 1510

Grades 10, 11, 12

Full year - 1 credit

Prerequisite: Theater Arts I

An advanced continuation of Theater Arts I, Theater Arts II will supplement the foundation established in that class. Prior theater topics will be reinforced and further developed in Theater Arts II. In addition, dramatic literature and the principles of directing will be introduced. Individual and group projects will be assigned in conjunction with Theater Arts III. Theater Arts II students will have experience coaching first-year students. Active participation in school productions is encouraged.

THEATER ARTS III – 1520

Grades 11, 12

Full year - 1 credit

Prerequisite: Theater Arts II

The third year of Theater Arts continues to enhance student knowledge of the performing arts. Students will be able to pursue independent projects in theater under teacher supervision and guidance. Theater Arts III students are expected to provide mentoring for first and second-year students. Independent study projects will be assigned and leadership positions in school productions are required.

THEATER ARTS IV – 1530

Full year - 1 credit

Grades 12

Prerequisites: Theater Arts III and teacher recommendation

This course is an advanced level of theater study where a student considers a continuation of theater training and demonstrates exceptional leadership qualities. Theater Arts IV will require students to act as teaching assistants, mentors, and coaches; they will establish quarterly goals. These include, but are not limited to, after school productions, and conducting classroom lessons on some area of theater or stage management.

COLLEGE SCENE STUDY AND ANALYSIS - 1540

Half year – ½ H.S. credit - up to 2 college credits

Grade 11 & 12 (Not offered in 2023-2024 school year)

Prerequisites: Completion of Theater Arts II or Department Approval

This course is a study of theater from the actor’s point of view. This course is an intermediate acting class with an in-depth focus on scene study and play analysis. Expanding upon the basic ensemble-building and character investigations of Theater Arts I and II, the student works to intensify simple character investigation through analyzing, rehearsing and performing in partnered and multi-character scenes. College credit can be obtained through Adelphi University’s Theater Department and is transferable to most colleges and universities. It should be noted that we will grant college weight (1.06) to this course.

To qualify for college credit, Adelphi University requires students to register in September and submit a fee of \$360 (subject to change).

The following after school performance opportunities are available for students enrolled in a day-time music class who wish to enhance their musical experience.

VOCAL JAZZ ENSEMBLE – 8540

Full year – 1 credit

Grades 9, 10, 11, 12

Prerequisites: Audition and approval of the department. Students enrolled in this course must also be members in good standing in one of the high school’s music performance classes (band, orchestra, or chorus) that meet daily.

The Vocal Jazz Ensemble is a select ensemble in which students explore various styles of traditional and contemporary jazz literature. Rehearsals are normally held one afternoon or evening per week, and at various other times when necessary. Therefore, stringent attendance requirements are maintained. Members of the Jazz Ensemble are expected to perform at wide variety of functions, including concerts, assemblies, and performance-oriented field trips. Grades are issued on a pass/fail basis.

CHAMBER ORCHESTRA – 8562

Full year – ½ credit

Grades 9,10, 11, 12

Prerequisites: Audition and approval of the department. Students must also be members in good standing in the daily Orchestra class.

Chamber Orchestra is a course for advanced string students, NYSSMA Levels IV-VI, which provides instruction and experience in a smaller chamber orchestra setting. In order to be eligible for the course, students must be enrolled in orchestra. The course meets one day per week after school and at various other times when necessary. Students must be available to perform at concerts, assemblies, and other functions during and outside the school day. Grades are issued on a pass/fail basis.

JAZZ ENSEMBLE – 8200

Full year – 1 credit

Grades 9, 10, 11, 12

Prerequisites: Audition and approval of department. Students enrolled in this course must also be members in good standing in a music performance class that meets daily (except where not applicable to a specific instrument).

The Jazz Ensemble is a select ensemble in which students explore various styles of traditional and contemporary jazz literature. Solo performance, improvisation, music theory and critical listening are an integral part of this course. Rehearsals are generally held one day per week after school, and at various other times when necessary. Therefore, stringent attendance requirements are maintained. Students are graded on their ability to demonstrate appropriate progress while attending all scheduled rehearsals and functions. Members of the Jazz Ensemble are expected to perform at wide variety of functions, including concerts, assemblies, and performance-oriented field trips. Grades are issued on a pass/fail basis.

MARCHING BAND – 8580

Full year - 1 credit

Grades 8, 9, 10, 11, 12

Any student can participate in Marching Band with prior approval from the instructor, even though it is recommended for students to be simultaneously enrolled in both Marching Band and a daytime music class. Students may participate in the Marching Band on their major wind or percussion instrument, or they can learn modern dance and flag choreography with the color guard. The Marching Band also provides unique opportunities for any interested student to learn the art of drumming and percussion. Having this course noted on one's academic transcript is very impressive to most colleges and universities throughout the country. Grades are issued on a pass/fail basis.

The Marching Band is a performance ensemble that is designed to give students an enrichment opportunity in both the visual and performing arts through a wide array of exciting, high-profile events, including parades, home football games, and competitions throughout the tristate area. Students learn to multi-task and develop self-discipline while working together towards a common goal.

The primary season for the Marching Band is in September and October, when it rehearses up to two evenings per week in preparation for various weekend performances. Occasional rehearsals are held during the off-season. Since shows are designed for the exact number of participants, stringent attendance requirements must be maintained at all scheduled practices or rehearsals.

Any student who is not enrolled in a day-time music class must obtain approval from the Marching Band instructor to enroll.

PHYSICAL EDUCATION

PHYSICAL EDUCATION – 9010, 9020

Grades 9 and 10
Grades 11 and 12

Full year - ½ credit
Full year - ½ credit

The physical education program is designed to empower all students. It is based on physical activities in which every student is challenged and given the opportunity to be successful. In grades 9-10, the activities are primarily instructional with a major emphasis being placed on personal fitness and lifetime wellness. In the upper grades (11-12) the program is more activity oriented. It is arranged to enable each student to become physically educated in a variety of sports and lifetime activity.

Personal fitness/wellness is based on the balance of behaviors and actions that enhance good health, quality of life, and well being. In physical education, the fitness/wellness component includes physical fitness and is taught as a unit of instruction or found within the context of various physical activities at all four levels. Students gain an understanding of the related fitness. They also realize that a physically active lifestyle addresses various wellness components such as disease risk reduction and is a natural resource for maintaining the quality of life and well being. In addition, positive social involvement and interactions are emphasized in all class activities and at all levels.

Grades in Physical Education are based on our five-part rubric detailing the grading criteria. Quarterly points are based on personal and social responsibility, overall improvement, participation and effort, preparation and attendance, content knowledge, and skill assessment. It is a New York State requirement that students pass physical education in order to meet graduation requirements.

ADAPTED PHYSICAL EDUCATION – 9050

Full year - ½ credit

When a student cannot safely or successfully engage in unrestricted participation in the activities of the regular program, he or she will participate in an adapted or modified physical education program through a CSE recommendation. A certified physical education teacher will supervise these activities. It is anticipated that each child with a temporary or permanent disabled condition will participate in physical education to the degree that he/she is able based upon the medical recommendation of both the child's physician and district medical examiner.

Two or three of the following activities are offered each quarter in Physical Education and are as follows:

First Quarter

Goal Setting
Tennis
Volleyball
Fitness Activities
Touch Football
Golf
Cross Country
Walking/Jogging
Project Adventure
Mountain Biking
Rugby

Second Quarter

Basketball
Volleyball
Badminton
Paddleball
Team Handball
Fitness Activities
Weight Training
Wellness Training
Project Adventure
Backpacking
Pilates
Yoga

Third Quarter

Basketball
Fitness Activities
Volleyball
Floor Hockey
Badminton
Paddleball
Box Lacrosse
Weight Training
Project Adventure
Roller Blading
Pilates
Yoga
Snowshoeing

Fourth Quarter

Softball
Track and Field
Fitness Activities
Tennis
Golf
Volleyball
Project Adventure
Mountain Biking
Orienteering
Kayaking

SCIENCE AND TECHNOLOGY

Below are typical Science and Technology course selections for each grade. Students may self-select to take Honors Science classes. Students will be preliminarily placed based on their Science average, midterm grade, teacher recommendation. Students who want to opt in or out from the Honors classes should contact their school counselor. The appropriate placement can have a significant impact upon students' academic success. They should clearly understand the expectations of taking an Honors course, especially in situations when they decide to take it against the teacher recommendation. Please contact the Science curriculum coordinator if you have questions.

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Gen. Sci. 8	Earth Science R	Living Environment R Or Living Environment H	Chemistry R Or Chemistry H Or Conceptual Chemistry	Physics R Or Physics H Or Science Electives
Earth Science R	Living Environment R Or Living Environment H	Chemistry R Or Chemistry H	Physics R Or Physics H	Science Electives
Electives	Freshmen Research H College PLTW Design and Drawing for Production (DDP) *AP Environmental Science	Science Research Seminar 1H AP Environmental Science College PLTW Design and Drawing for Production (DDP) College PLTW Engineering course-TBD	Science Research Seminar 1H Intermediate Science Research 2H Anatomy & Physiology Nutrition Forensic Science Oceanography AP Biology AP Chemistry AP Environmental Science College PLTW Engineering course - TBD	Science Research Seminar 1H Intermediate Science Research 2H Advanced Science Research 3H Anatomy & Physiology Nutrition Forensic Science Oceanography AP Biology AP Chemistry AP Environmental Science AP Physics C College PLTW Engineering course - TBD

*9th Grade students who wish to take this course must have department approval

EARTH SCIENCE R – 4100, 4105

Full year - 1 credit

Grade 9

Prerequisites: 4100: Completion of eighth grade science
 4105 CT: Completion of eighth grade science and CSE recommendation
 4010 SC: CSE recommendation

This course approaches the study of Earth Science from a conceptual and empirical point of view. All major aspects of astronomy, geology, and meteorology are studied. The class meets once a day with an extra lab period every other day. Lab reports documenting the completion of at least 1200 minutes of hands-on activities are mandated by NYS. The Earth Science Regents Examination will be administered at the end of the course.

LIVING ENVIRONMENT H – 4210

Full year - 1 credit

Grades 9, 10, 11, 12

Prerequisite: Completion of Earth Science, Honors Policy and teacher recommendation are suggested.

This course is designed for the science oriented, high achieving student who may be considering a career in science. The NYS Living Environmental Syllabus forms the foundation of this course. However, the honors curriculum covers concepts in greater depth and detail. The course involves advanced readings in order to strengthen reading and comprehension across the curriculum, and to better prepare students for future AP courses and the SAT subject test. Areas of concentration include: research skills, scientific inquiry, biochemical aspects of modern biology, cells, genetics, evolution, ecology, human anatomy and physiology. The class meets once a day with an extra lab period every other day. Lab reports documenting the completion of at least 1200 minutes of hands-on activities are mandated by NYS. The Living Environment Regents Examination will be administered at the end of the course.

LIVING ENVIRONMENT R – 4200, 4205

Full year - 1 credit

Grades 9, 10, 11, 12

Prerequisites: 4200: Completion of Earth Science
4205 CT: Completion of Earth Science and CSE recommendation
4140 SC: CSE recommendation

This class covers the NYS Living Environment syllabus. Instruction is focused on understanding important relationships, processes, mechanisms, and applications of important biological concepts. Areas of concentration include: scientific inquiry, research skills, graphing and analysis, biochemistry, cells, genetics, evolution, ecology, human anatomy and physiology. The class meets once a day with an extra lab period every other day. Lab reports documenting the completion of at least 1200 minutes of hands-on activities are mandated by NYS. The Living Environment Regents Examination will be administered at the end of the course.

CHEMISTRY H – 4310

Full year - 1 credit

Grades 10, 11, 12

Prerequisites: Completion of Earth Science and Living Environment, Honors Policy and teacher recommendation are suggested, high level of math, reading and writing skills.

“Theoretical Chemistry” is a rigorous treatment of this science with a quantitative emphasis. This course is designed for the high ability science/mathematics student. The class meets once a day with an extra lab period every other day. Extensive written laboratory reports are required. The Chemistry Regents examination terminates the course. Very strong math skills are especially important for the course. Lab reports documenting the completion of at least 1200 minutes of hands-on activities are mandated by NYS. The Chemistry Regents Examination will be administered at the end of the course.

CHEMISTRY R – 4300, 4305

Full year - 1 credit

Grades 10, 11, 12

Prerequisites: 4300: Completion of Earth Science and Living Environment
4305CT: Completion of Earth Science and Living Environment, and CSE recommendation

The Regents Chemistry program is designed to meet all the requirements of the State curriculum. The course deals with all areas of inorganic, physical, and nuclear chemistry in a qualitative and quantitative manner. The class meets once a day with an extra lab period every other day. Written laboratory reports are required by the NYS. The Chemistry Regents examination terminates the course. Lab reports documenting the completion of at least 1200 minutes of hands-on activities are mandated. The Chemistry Regents Examination will be administered at the end of the course.

CONCEPTUAL CHEMISTRY – 4350

Full year - 1 credit

Grades 11, 12

Prerequisites: Successful completion of Earth Science and Living Environment

This course is designed for the student who needs to take a third year of science to meet state graduation requirements. The course is activity based and deals with the role chemistry plays in our everyday lives. The course meets five times a week. Conceptual chemistry is an excellent alternative for students who struggle in the physical sciences and in mathematics.

ENVIRONMENTAL SCIENCE – 4800SC

Full year – 1 credit

Prerequisite: CSE recommendation

Special Class Environmental Science course incorporates concepts that students have learned in previous years of instruction, including elements of Earth Science, Living Environment, and the General Science curriculum. The class focuses on how all parts of the environment interact, including the impact that humans have on their surroundings. Topics of study relate to Long Island ecology and local environmental issues. Assessment is project based and provides varied opportunities for students to explore their environment outside of the classroom.

PHYSICS H – 4410

Full year - 1 credit

Grades 11, 12

Prerequisites: Successful completion of Earth Science, Living Environment, and Chemistry; strong math skills are required. Honors Policy and teacher recommendation are suggested.

This course is intended for students who plan to take an AP science course or who intend to study science or engineering in college. Students may take Physics H concurrently with AP Biology or AP Chemistry. The course is designed for the student with exceptional ability and strong math skills. The Physics Regents syllabus forms the foundation of the course, but the Honors syllabus covers concepts in greater detail with a significantly more rigorous mathematical treatment. The class meets once a day with an extra lab period every other day. Written laboratory reports are required. The Physics Regents Examination terminates the course. Lab reports documenting the completion of at least 1200 minutes of hands-on activities are mandated by NYS. The Physics Regents Examination will be administered at the end of the course.

PHYSICS R – 4400

Full year - 1 credit

Grades 11, 12

Prerequisites: Completion of Earth Science, Living Environment, and Chemistry; strong math skills are recommended.

The course covers the Physics Regents syllabus. The fields of mechanics, electricity, wave motion, and modern physics are explored. Facility with the mathematical aspects of physics is expected. The class meets once a day with an extra lab period every other day. Lab reports documenting the completion of at least 1200 minutes of hands-on activities are mandated by NYS. The Physics Regents Examination will be administered at the end of the course.

ADVANCED PLACEMENT (AP) SCIENCE COURSES

These advanced courses offer mature, in-depth handling of scientific principles involved. They are structured to parallel and satisfy the objectives of college-level courses. A summer assignment is required for all students entering advanced placement science classes. Students taking these courses should have demonstrated high achievement in a challenging environment. All students must register for and take the corresponding AP exams at the conclusion of the courses.

AP BIOLOGY – 4700

Full year - 1 credit

Grades 11, 12

Prerequisite: Successful completion of Earth Science, Living Environment, and Chemistry. Chemistry knowledge is strongly encouraged. Recommended Prerequisite/Co-requisite: Physics. Honors Policy and teacher recommendation are suggested.

AP Biology is designed to be the equivalent of a college introductory biology course. This course includes topics and laboratory activities that are regularly covered in a college biology course. This course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science or biology.

The two main goals of this course are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. Essential to this conceptual understanding include: 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. The class meets once a day with an extra lab period every other day.

AP CHEMISTRY – 4710

Full year - 1 credit

Grades 11, 12

Prerequisites: Successful completion of Earth Science, Living Environment, and Chemistry. Prerequisite/Co-requisite: Physics. Honors Policy and teacher recommendation are suggested.

This course is equivalent to an American Chemical Society approved college level course. The main goal of the course is to offer students a rigorous, thought-provoking college chemistry course. Students are preparing to be critical and independent thinkers who are able to function effectively in a scientific and technological society. They will be able to analyze scientific and societal issues using scientific problem solving. It is our goal that this course will play a role in creating lifelong learners. Students will emerge from this program with an appreciation for the natural world. Students taking Advanced Placement Chemistry have already taken a first-year chemistry course. The class meets once a day with an extra lab period every other day.

AP ENVIRONMENTAL SCIENCE – 4725

Full year – 1 credit

Grades 9*, 10, 11, 12

9th Grade students who wish to take this course must have department approval and successful completion of Earth Science

Prerequisites: Successful Completion of Earth Science and Living Environment. Chemistry can be taken concurrently. Honors Policy and teacher recommendation are suggested.

AP Environmental Science is comparable to a freshman-level college course. The goal of the course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students will learn to identify and analyze natural and human made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving and/or preventing them. Laboratory experience, including writing the lab reports, is a required component to this course. The class meets once a day with an extra lab period every other day.

AP PHYSICS – C – 4720

Full year - 1 credit

Grade 12

Prerequisite: Successful completion of Earth Science, Living Environment, Chemistry, and first-year Physics course and Introduction to BC Calculus.

Corequisite: Simultaneous enrollment in AP Calculus BC course. Honors Policy and teacher recommendation are suggested.

AP Physics is comparable to two semesters of a freshman level college Physics course. It is actually two separate courses with the first semester involving the study of Mechanics, and the second semester involving the study of Electricity & Magnetism. Students must register for two separate AP exams at the conclusion of the course.

The course is designed to promote the scientific and mathematical reasoning skills required to solve higher level problems within the multitude of physical circumstances. Students will develop an understanding of the connections between Physics (and science in general) to our everyday world and recognize the importance of being critical thinkers in this context. The class meets once a day with an extra lab period every other day.

SEMESTER SCIENCE ELECTIVES

OCEANOGRAPHY – 4775

Half year - ½ credit

Grades 11, 12

Prerequisites: Earth Science and Living Environment

We live on an island. This course is a study of the basic principles of oceanography. Topics include the structure of the earth and the sea floor, the physics and chemistry of the oceans, atmospheric wind and ocean circulation, waves, currents, tides, marine animals, ecological concepts, and environmental concerns.

NUTRITION – 4780

Half year - ½ credit

Grades 11, 12

Prerequisites: Earth Science and Living Environment

This is an introductory nutrition course for the promotion of health, wellness, and physical performance in daily life. Topics include: role of nutrition and fitness in health, the impact of harmful eating patterns, and the evaluation of diets and nutrition information. Nutrition associated with athletic performance as well as topics of current interest will be discussed.

FORENSIC SCIENCE – 4785

Half year - ½ credit

Grades 11, 12

Prerequisites: Earth Science and Living Environment

This course will review the methods used by police scientists to discover and analyze clues which help solve crimes. It is an academic course based on, and expanding the student's background in the sciences, by putting theories to practical use. The student will study famous cases, learn how to collect evidence at the scene of the crime, and analyze evidence such as fingerprints, firearms, hair fibers, documents etc.

ANATOMY AND PHYSIOLOGY - 4795

Half year – ½ credit

Grades 11, 12

Prerequisites: Earth Science and Living Environment

The course investigates the structure and function of the human body, including basic organization, biochemical composition and major body systems along with the impact of diseases on certain systems. Dissections and virtual dissections will be used to highlight various aspects of anatomy and physiology.

HONORS SCIENCE RESEARCH PROGRAM

Honors Science Research Program includes Freshmen Research H (open only for freshmen), Science Research Seminar 1 H (open to all students in grades 10-12), Intermediate Science Research 2 H (open to juniors and seniors who have demonstrated a commitment to conduct independent research during the school year and the summer) and Advanced Science Research 3 H (open for seniors who have completed Intermediate Science Research 2 H).

All research students are required to present their work during the Science Research Symposium night at the end of the year. In order to obtain the school approval and/or recommendation for participation in science competitions, students must be enrolled in the Science Research program.

FRESHMEN RESEARCH H – 4735

Full year - 1 credit

Grade 9

Open enrollment. Highly recommended for freshmen strong in science and social studies.

Students will be provided with an in-depth exploration of the research process and techniques in biological, physical, social, behavioral and environmental sciences. During the course of study, students will conduct literary reviews and will learn how to collect, process, organize, and graph data. These skills will then be incorporated into group and individual projects. The class meets every day. All students are required to present their research at the Annual Science Research Symposium.

SCIENCE RESEARCH SEMINAR 1 H – 4740

Full year - 1 credit

Grades 10, 11, 12

Prerequisite: Honors Policy and teacher recommendation are suggested.

Students will work on research projects as individuals and in groups and enter into national competitions such as Toshiba Exploravision. In addition, students will begin planning their own original research projects in school and present their ideas at local and regional. Students are required to conduct independent research outside of class each week, to meet weekly for assessment and mentorship with their science research teacher.

INTERMEDIATE SCIENCE RESEARCH 2H AND ADVANCED SCIENCE RESEARCH 3H COURSES

These courses offer students the opportunity to conduct original scientific research under the guidance of a research scientist. They are open to all students who have demonstrated a commitment to conduct independent research during the school year and the summer. Students are required to conduct independent research outside of class each week, to meet weekly for assessment and mentorship with their science research teacher, and to present at local, regional, and national competitions.

INTERMEDIATE SCIENCE RESEARCH 2H – 4750

Full year - 1 credit

Grades 11, 12

Prerequisites: Completion of Science Research Seminar 1H
Honors Policy and teacher recommendation are suggested.

This class is for students who have already begun a mentored independent research project, and are still in the data collecting phase. Students will continue to collect data in any scientific field during the school year. Attendance at weekly assessment meetings is required. Students will attend science competitions such as the Long Island Science Congress. All students are required to present their research at the Annual Research Symposium.

ADVANCED SCIENCE RESEARCH 3H – 4760

Full year - 1 credit

Grade 12

Prerequisites: Completion of Intermediate Science Research 2H
Honors Policy and teacher recommendation are suggested.

Co-requisite: Simultaneous enrollment in another science course

This class is for students who have conducted extensive research during their junior year and over the summers. Students will prepare comprehensive research papers to enter the Regeneron Science Talent Search and other rigorous competitions. Students will prepare comprehensive research papers to enter the Regeneron Science Talent Search and other rigorous competitions. Attendance at weekly assessment meetings is required. All students are required to present their research at the Annual Science Research Symposium.

TECHNOLOGY

COLLEGE PROJECT LEAD THE WAY (PLTW) ENGINEERING PROGRAM

In College Project Lead The Way (PLTW) Engineering program students engage in open-ended problem solving, learn and apply the engineering design process and use industry-leading technology and software. Students investigate a variety of topics and have an opportunity to learn about different engineering disciplines before beginning post-secondary education or careers. All PLTW Engineering courses receive college weighting of 1.06 on the high school transcript.

Students enrolled in the program will have an opportunity to get a head start on their college career and receive three college credits for each PLTW course. To be eligible to receive college credits students must have a minimum class average of 85% and pass the end of the year exam with a stanine score of 6. (Stanine score of 6 is equal a C.) The total tuition charge for three credits is approximately \$250 payable if the student applies for the credits at the end of the year. Students may opt out of applying for college credit.

Note: the availability of specific PLTW courses may be changed, and a different PLTW course may be scheduled in its place.

COLLEGE PLTW DESIGN AND DRAWING FOR PRODUCTION (DDP) – 4800 Full year – 1 credit Grades 9, 10

Prerequisites: none; if seats are limited the preference will be given to students with strong math background.

This course is designed as the first in the sequence of engineering courses Project Lead the Way (PLTW). Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software and use an engineering notebook to document their work. The course receives college weighting of 1.06 on the high school transcript. In addition, students have an opportunity to receive transferable credits from the Rochester Institute of Technology (RIT) or other colleges. To qualify for RIT credits students must have an 85% class average and pass the end of the year exam with a stanine score of 6. (Stanine score of 6 is equal a C.)

COLLEGE PLTW PRINCIPLES OF ENGINEERING (POE) - 4805 Full year -1 credit Grades 10, 11, 12

Prerequisite: College PLTW Design and Drawing for Production (DDP)

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. The course receives college weighting of 1.06 on the high school transcript. In addition, students have an opportunity to receive transferable credits from the Rochester Institute of Technology (RIT) or other colleges. To qualify for RIT credits students must have an 85% class average and pass the end of the year exam with a stanine score of 6. (Stanine score of 6 is equal a C.)

COLLEGE PLTW COMPUTER INTEGRATED MANUFACTURING (CIM) – 4807 Full year – 1 credit Grades 10, 11, 12 (Not offered in 2023-2024 school year)

Prerequisite: College PLTW Design and Drawing for Production (DDP)

The course introduces students to the high-tech, innovative nature of modern manufacturing. They will design and build their own automated manufacturing system using the latest technologies, including computer modeling, Computer Numeric Control (CNC) technology, Computer Aided Manufacturing (CAM) software, robotics and flexible manufacturing systems. Students can earn a virtual manufacturing badge recognized by

the National Manufacturing Badge system. The course receives college weighting of 1.06 on the high school transcript. In addition, students have an opportunity to receive transferable credits from the Rochester Institute of Technology (RIT) or other colleges. To qualify for RIT credits students must have an 85% class average and pass the end of the year exam with a stanine score of 6. (Stanine score of 6 is equal a C.)

COLLEGE PLTW CIVIL ENGINEERING AND ARCHITECTURE (CEA) – 4809 Full year – 1 credit
Grade 10, 11, 12 (Not offered in 2023-2024 school year)
Prerequisite: College PLTW Design and Drawing for Production (DDP)

The course introduces students to important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software. Utilizing the activity-project-problem-based approach, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. The course receives college weighting of 1.06 on the high school transcript. In addition, students have an opportunity to receive transferable credits from the Rochester Institute of Technology (RIT) or other colleges. To qualify for RIT credits students must have an 85% class average and pass the end of the year exam with a stanine score of 6. (Stanine score of 6 is equal a C).

COLLEGE PLTW AEROSPACE ENGINEERING (AE) – 4810 Full year – 1 credit
Grade 10, 11, 12 (Not offered in 2023-2024 school year)
Prerequisite: College PLTW Design and Drawing for Production (DDP)

Students engage in creative thinking and problem-solving to design, test, and evaluate a variety of air and space vehicles and launching, guidance and control procedures. They learn basic orbital mechanics using an industry-standard software and explore robot systems through using remotely operated vehicles. As students explore the principles of flight, they bring these concepts to life by designing an airfoil, propulsion system, and rockets. The course receives college weighting of 1.06 on the high school transcript.

SOCIAL STUDIES

Below are typical Social Studies course selections for each grade. Students may move between levels based on their performance, skills, and prerequisites. Please contact the curriculum coordinator if you have any questions.

	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Required	Social Stud. 8	Global History 9R Or Global History 9H (Pre-AP)	Global History 10R Or AP World History	U.S. History Or AP U.S. History	SS 12 Government And SS 12 Economics Or AP U.S. Government & Politics Or AP Macroeconomics
Electives		AP Human Geography+ Intro to Psychology Freshman Research H Criminal Justice	AP Human Geography Intro to Psychology Long Island History Criminal Justice	AP Psychology AP Human Geography AP European Hist.++ Intro to Psychology Long Island History Criminal Justice	AP Psychology AP Human Geography AP European Hist. Intro to Psychology Long Island History Greece and Rome Rediscovered Criminal Justice

+Interested 9th graders can seek department approval to take this course

++Interested 11th graders can seek department approval to take this course

GLOBAL HISTORY & GEOGRAPHY 9 – 2100, 2140 (Pre-AP)

Full year - 1 credit

Grade 9

Prerequisites: 2100 9R: Completion of 8th grade Social Studies
 2140 9CT: Completion of 8th grade Social Studies and CSE recommendation
 2140 9SC: Completion of 8th grade Social Studies and CSE recommendation

This is the first year of a two-year chronological, cross-cultural survey of history. The course begins with the Paleolithic Era and explores the development of the first civilizations, continues with an examination of classical societies, and traces the expansion of trade networks and their global impact. Students engage in a comparative study of the geography, history, politics, economics, and social structures of different regions of the world. A major emphasis in this course is the development of reading, writing, note taking, and research skills to further historical inquiry. There is a final exam at the end of the course.

GLOBAL HISTORY & GEOGRAPHY 9H– 2110

Full year - 1 credit

Grade 9

Prerequisite: Honors Policy Applies

This is a rigorous course for students who have demonstrated academic excellence in social studies. In this course students investigate significant events, individuals, developments, and processes from approximately 8000 B.C.E. to the 1750. Students develop and use the same skills, practices, and methods employed by

historians: analyzing primary and secondary sources; making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time; and developing historical arguments. Students explore six themes throughout the course in order to make connections among historical developments in different times and places: interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; development and transformation of social structures; and technology. There is a final exam at the end of the course.

GLOBAL HISTORY & GEOGRAPHY 10 – 2200, 2240

Full year - 1 credit

Grade 10

Prerequisites: 2200 10R: Completion of Global History and Geography 9
2240 10CT: Completion of Global History and Geography 9 and CSE recommendation
2141 10SC: Completion of Global History and Geography 9 and CSE recommendation

This is the second year of the two-year Global History and Geography sequence. This course continues the chronological, cross-cultural survey from the mid-18th century to present day. The enduring issues and areas of study from Global History 9 will be continued with an emphasis on the industrialization, nationalism, imperialism, conflict, technology, and interconnectedness of the world. Emphasis is placed on developing students' historical thinking skills. This course culminates in a Regents examination; only tenth grade content is tested on the Regents exam.

AP WORLD HISTORY – 2230

Full year - 1 credit

Grade 10

Prerequisites: Completion of Global History and Geography 9. Honors Policy Applies

This is a college level course for students who have demonstrated academic excellence in social studies. This is the second year of a two-year course; in it students investigate significant events, individuals, developments, and processes from 1750 to the present (events prior to 1750 are taught in Global History 9H). Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; and making comparisons; utilizing historical reasoning about contextualization, causation, comparison, and continuity and change over time to develop historical arguments. Students explore six themes throughout the course in order to make connections among historical developments in different times and places: interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict creation, expansion, and interaction of economic systems; development and transformation of social structures; and technology. Students take the Advanced Placement examination in May and the New York Global History Regents examination in June.

UNITED STATES HISTORY AND GOVERNMENT – 2300, 2340

Full year - 1 credit

Grade 11

Prerequisites: 2300 11R: Completion of Global History and Geography 9 & 10
2340 11CT: Completion of Global History and Geography 9 & 10 and CSE recommendation
2142 11SC: Completion of Global History and Geography 9 & 10 and CSE recommendation

This course follows the New York State Social Studies Framework; it is essentially a chronological survey of US history. The course begins with the colonial and constitutional foundations of the United States and explores the governmental structure as written in the Constitution. It then traces the development of the nation and the political, social, and economic issues it faced in the Civil War, Industrial Revolution, America's emergence as a world power, the two world wars of the 20th century, the Cold War, and the role of the United States in an increasingly globalized and interconnected world. Emphasis is placed on developing students' historical thinking skills.

AP U.S. HISTORY – 2320

Full year - 1 credit

Grade 11

Prerequisites: Completion of Global History and Geography 9 & 10. Honors Policy Applies

This is a college level course for students who have demonstrated academic excellence in Social Studies. The course is a survey of United States History and follows the established College Board curriculum from the early colonial period through the present day. Students will develop the analytical skills and enduring understandings necessary to draw conclusions on the basis of historical evidence and present evidence clearly and persuasively in a variety of written forms. Students take an AP examination in May and the New York State US Regents examination in June.

PARTICIPATION IN GOVERNMENT – 2500

Half year - ½ credit

Grade 12

(AND)

ECONOMICS – 2400

Half year - ½ credit

Grade 12

The New York State Board of Regents requires that seniors take both Participation in Government and Economics. One semester is devoted to the study of public policy decision-making and the political process. A five-hour community activity is required for the Participation in Government course. The other semester will be devoted to the study of economics. The ultimate goal of both courses is to enable students to become knowledgeable, active citizens. Based on CSE recommendation, students can also be supported in CT and Special Class.

AP MACROECONOMICS – 2700

Full year - 1 credit

Grade 12

Prerequisites: Completion of United States History and Government. Honors Policy Applies

The goal of this college level course is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers (consumers and producers) within the economics system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. This full year course will also integrate the study of both fiscal and monetary policies as they apply to the various levels of government. Students will earn a ½ credit in Government and a ½ credit in Economics.

AP UNITED STATES GOVERNMENT AND POLITICS – 2750

Full year - 1 credit

Grade 12

Prerequisites: Completion of United States History and Government. Honors Policy Applies

This college level course will give students an analytical perspective on government and politics in the United States. Students explore the structure and operations of the U.S. government and the behavior of the electorate and politicians. Students will critically evaluate political data, hypotheses, concepts, opinions, and political processes. They also learn to gather data about political behavior and develop their own theoretical analysis of American politics. The purpose of this course is to prepare students to be active and engaged citizens in American democracy. Students take the AP examination in May. Students will earn ½ credit in Government and ½ credit in Economics, thereby fulfilling their graduation requirement for New York State.

AP EUROPEAN HISTORY – 2420

Grades 11*, 12

Full year - 1 credit

Prerequisite: Completion of United States History and Government

*Eleventh grade students who wish to take this course must have department approval

Highly motivated students may elect to take Advanced Placement European History in their senior year. Through intensive investigation of primary and secondary source materials and classroom discussions, students will gain an in-depth understanding of modern European history. Special emphasis will be placed on the Renaissance, the Emergence of Nationalism, the Industrial Revolution, Imperialism, World War I, and World War II.

AP PSYCHOLOGY – 2530

Full year – 1 credit

Grades 11, 12

Prerequisites: Completion of Global History and Geography 9 & 10

This college level course provides an overview of current psychological research methods and theories, it explores the therapies used by professionals in the field of psychology, examines how people learn and think, and analyzes the process of human development. The Advanced Placement examination is required for students enrolled in this course.

AP HUMAN GEOGRAPHY – 2540

Full year – 1 credit

Grades *9, 10, 11, 12

Prerequisite: Completion of Global History and Geography 9; *interested 9th graders can seek department approval to take this course.

This college level course introduces students to the importance of spatial organization – the location of places, people, and events, and the connections between places and landscapes – in understanding societies around the world. Major themes of the course are centered around fields of geography including cultural geography, urban geography, economic geography and political geography. Students will learn to analyze maps, data, and geographic models throughout the course. A special emphasis will be placed on case studies and using geographic concepts to understand the world in which we live today.

FRESHMEN RESEARCH H – 4735

Full year - 1 credit

Grade 9

Open enrollment. Highly recommended for freshmen strong in science and social studies.

Students will be provided with an in-depth exploration of the research process and techniques in biological, physical, social, behavioral and environmental sciences. During the course of study, students will conduct literary reviews and will learn how to collect, process, organize, and graph data. These skills will then be incorporated into group and individual projects. The class meets every day. All students are required to present their research at the Annual Science Research Symposium.

CRIMINAL JUSTICE – 2510

Half year – 1/2 credit

Grades 9, 10, 11, 12

Students will explore legal developments and issues that have shaped contemporary America in the later 20th and early 21st centuries. The course will be responsive to current topics, issues, and student interests including American law through the Constitution, criminal behavior, causation of crime, the role of law enforcement agencies, challenges in modern policing, the role of the judiciary, court proceedings, and the corrections system.

INTRODUCTION TO PSYCHOLOGY – 2520

Half year - ½ credit

Grades 9, 10, 11, 12

This course is a survey of modern psychology. Topics will include quantitative methods in the study of psychology, physiological bases of behavior, sensation, perception, motivation and emotion, learning, development, cognitive processes, personality, and social behavior.

LONG ISLAND HISTORY – 2560

Half year - ½ credit

Grades 10, 11, 12

This one semester elective is an in-depth study of Long Island's regional development and history. Topics include: Geography, Native Americans, Colonial Long Island Garden City, and the growth of the suburbs, industrial development and the future of Long Island. A variety of materials will be utilized in the course including primary sources, artifacts, oral history, and visits to historic sites.

GREECE AND ROME REDISCOVERED – 1900

Full year - 1 credit

Grade 11*, 12

*11th grade students who wish to take this course must have department approval.

This course is an interdisciplinary study of the cultures of the ancient Mediterranean. The course is dedicated to the study of Greek and Roman culture and to clarifying and assessing its continuing impact on contemporary life. Students will engage in an examination of history, archeology, art, architecture, philosophy, religion, science, politics, mythology, language, and especially the literature of Greece and Rome.

This large group lecture class will be co-taught by one social studies teacher and one English teacher. Assessments which include exams, quizzes, extensive essay writing, debate and exhibitions will be evaluated by both teachers. The successful completion of this year long course yields one elective credit (½ credit for social studies and ½ credit for English).

SPECIAL EDUCATION

Students with disabilities are provided with a specialized program of instruction, as per their Individualized Education Program (IEP). The programs are challenging and designed to ensure student achievement and success within our school community. The special education services listed below are provided by Garden City High School after individual recommendations have been made by the Committee on Special Education (CSE).

- **RELATED SERVICES:** are developmental supportive services, as are required to assist a student with a disability and includes but is not limited to: speech-language pathology, physical therapy, counseling services, and vocational counseling.
- **CONSULTANT TEACHER SERVICES:** means direct and/or indirect services, provided to a student with a disability who attends regular education classes and/or to such student's regular education teachers. Consultant teacher services must be provided for a minimum of two hours per week. Direct consultant teacher services are provided in the general education class.
- **RESOURCE ROOM PROGRAM:** means a special education program for a student with a disability registered in a regular class who is in need of specialized supplementary instruction in a small group setting for a portion of the school day. A student shall receive no less than three hours of instruction per week in such program.
- **INTEGRATED CO-TEACHING:** means the provision of specifically designed instruction and academic instruction provided to a group of students with disabilities and non-disabled peers. This class is taught by both a general and special education teacher.
- **SPECIAL CLASS:** means a class consisting of students with disabilities who have been grouped together, because of similar individual needs for the purpose of being provided specially designed instruction.

SPECIAL CLASSES IN GARDEN CITY HIGH SCHOOL

Certain special classes in the Garden City High School address student IEP goals such as personal care, independent living skills, activities of daily living, career exploration and vocational experiences. Other special classes address the academic IEP goals of students from functional academics to Regents curriculum. Each special class student to teacher ratio is determined by the CSE. It should be noted that these special classes are formulated based on the individualized education needs of our students, as recommended by the CSE, from year to year. The objective of every special class is to have the students attain mastery of the IEP goals and in some instances pass Regents examinations and/or earn the New York State Career Development and Occupational Studies Commencement Credential (CDOS). For specific information regarding the CDOS credential visit: <http://www.p12.nysed.gov/specialed/publications/2015-memos/documents/Parentbrochure6-30-15>.

WORLD LANGUAGE

Below are typical World Language course selections for each grade. Students may move between levels based on their performance, skills, and prerequisites. Please contact the curriculum coordinator if you have any questions.

It is strongly suggested that a student take at least 4 (where possible, 5) years of the same World Language in order to ensure that he/she has met the requirements for college admission and to compete in a globalized society. Many colleges may also require students to take a World Language at the college level.

Language Options: German, Italian, Latin, Spanish

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
German 1	German 2 or 2H*	German 3 or 3H*	College German 4	College German 5
Italian 1	Italian 2 or 2H*	Italian 3 or 3H*	College Italian 4	College Italian 5
	Latin 1 or 1H*	Latin 2 or 2H*	College Latin 3	College Latin 4
Spanish 1	Spanish 2 or 2H*	Spanish 3 or 3H*	College Spanish 4	College Spanish 5

*As with any Honors Program, please be advised that these are rigorous courses.

LATIN 1 - H – 5800, 5870

Full year - 1 credit

Grades 9, 10, 11, 12

Prerequisites: 5800 Latin 1: Open to interested students
 5870 Latin 1H: Honors Policy Applies

This course is the beginning of a sequence. It covers the vocabulary and grammar necessary to read and write simple Latin. Oral reading and listening comprehension will be included. Greco-Roman culture is studied and there is emphasis on English vocabulary and grammar. Checkpoint A of the state syllabus is followed.

LATIN 2 - H – 5820, 5810

Full year - 1 credit

Grades 10, 11, 12

Prerequisites: 5820 Latin 2: Completion of Latin 1
 5810 Latin 2H: Honors Policy Applies

This course reviews the work of the first year and continues the study of vocabulary, grammar, and culture leading to the reading of Latin authors. Honors students read more extensively. This class is the first half of Checkpoint B of the state syllabus.

MODERN LANGUAGE 2

Full year - 1 credit

German 2 -5620 Italian 2 -5720 Spanish 2 -5400
German 2H-5610 Italian 2H-5710 Spanish 2H-5410

Grades 9, 10, 11, 12

Prerequisites: Criteria: Completion of Level 1
 Honors Criteria: Honors Policy Applies

The curriculum, which was written by members of our language department, has been approved by St. John's University. This course will build upon the skills learned in our other language high school courses, as well as continue to build upon oral and written proficiency with more intensive reading and conversation. Students have the potential to earn six college credits; that is, three credits per high school semester. **College credit can be obtained through St. John's University's College Advantage program and is transferable to most colleges and universities; however, we advise that students call the colleges/universities to ensure that credits are accepted.** Please note, students may also opt out of receiving college credits. It is to be noted that we will grant college weight (1.06) to our College Courses.

To qualify for college credit, St. John's requires that at the time of registration in September and/or January Seniors have:

Minimum 80 average in the five subjects (English, Mathematics, Social Studies, World Languages, and Science) + combined Math and Critical Reading minimum SAT of 1080 (1080 PSAT) or minimum ACT of 21
- OR -

Minimum 85 average in the five subjects without standardized test scores.

Registration and Payment Information for all College Courses:

- Students must meet the above-mentioned criteria.
- In the Fall, GCHS will send a link to an email blast to parents.
- St. John's University will then open registration on a date, which is determined by the University.
- Once officially registered, the student will receive a welcome letter directly from St. John's University.
- An online welcome email from St. John's University will be sent to each student's self-reported email; this will provide the student with a registration number and with information on how to make a payment either online, by mail, or by phone.
- Failure to register or remit payment by the St. John's University deadline will result in the course being dropped for college credit and registration will be rescinded.
- As per St. John's University, once dropped from a college credit bearing course for non-payment, students will not be reinstated nor be permitted to enroll in a spring course as the fall term is the prerequisite.

Points of Information as per St. John's University:

- Should your child take the course for college credit, it will be offered at a reduced tuition rate of \$325 (subject to change) per course/semester. The fee is non-refundable.
- Should there be financial difficulty, your child may take the course for High School credit and not college credit.
- Withdrawals are not permitted unless the student leaves school or is dropped from the course by administration.
- A failing grade does not automatically warrant a withdrawal.
- No new students may be added to the roster after registration.
- All students must have a social security number to be enrolled.

ENGLISH AS A NEW LANGUAGE – 9700

Full year - 1 credit

The English as a New Language program at Garden City High School serves students in grades 9-12 and follows the NYS Learning Standards for ENL. The program is designed to teach English to non-English speaking students from any and all language backgrounds. It is a progressive approach incorporating the four skills of language acquisition - listening, speaking, reading and writing. Emphasis is placed on the academic content areas so that at all levels of instruction, students are provided with the necessary language tools to help them succeed in the mainstream classroom.

LONG ISLAND HIGH SCHOOL FOR THE ARTS (LIHSA) - AM-6504 PM-6505

BARRY TECH/GC TECH AM – 6500 PM – 6510

2023 - 2024 BOCES COURSE OFFERINGS

LONG ISLAND SCHOOL FOR THE ARTS (LIHSA) PROGRAMS:

PERFORMING ARTS

Dance
Music-Vocal, Instrumental & Digital
Acting & Musical Theatre

VISUAL & MEDIA ARTS

Fine Arts
Film Making
Digital Media

PRODUCTION & MANAGEMENT ARTS

Special Effects
Directing
Stage Management
Technical Theatre

SONIC ARTS

EXPRESSIVE ARTS & HUMAN DEVELOPMENT

GAME DESIGN

BARRY TECH/GC TECH PROGRAMS:

AGRICULTURAL SCIENCES

Animal Care
Animal Care Skills
Horse Science and Management
Horse Science and Management Skills
Veterinary Science

CAREERS IN THE ARTS

Audio Production/Sonic Arts
Computer Animation Skills
Computer Game Design
Computer Game Design Skills
Expressive Arts/Art Therapy
Fashion Design Technology
Multimedia Journalism
Performing Arts (Dance, Music Theatre)
Production & Managerial Arts
(Scenic Construction Technology)
Visual & Media Arts (Fine Arts, Film &
Animation)

BUSINESS/INFORMATION SERVICES

Office Assistant Skills
Retail Skills

ENGINEERING TECHNOLOGIES

Auto Collision Technician
Auto Skills
Automotive Technology

Aviation Operations
Carpentry
Computer Technology
Construction Electricity
Construction Trades
Preparation for Construction Trades Skills
HVAC/Plumbing
Network Cabling Technician/Home
Technology Integration (HTI)
Powersports and Engine Repair
Welding

HEALTH SERVICES

Dental Assisting
Emergency Medical Technician (EMT)
Exercise Medicine and Personal Trainer
Health Care Skills
Medical Assisting
Nursing Assisting
Physical Therapy Aide & Rehabilitation
Medicine

HUMAN & PUBLIC SERVICES

Barbering Technician
Child Care Skills
Cosmetology
Culinary Arts
Culinary Arts Skills
Early Childhood Education
Police Science & Criminal Justice

SAMPLE FOUR-YEAR SCHEDULE

Grade 9

1. English 9
2. Global History & Geography 9
3. Math (Algebra or Geometry)
4. Earth Science or Living Environment
5. Lab/Physical Education
6. Language II
7. Lunch
8. Art or Music (1 credit)
9. Elective

Grade 10

1. English 10
2. Global History & Geography 10
3. Math Geometry or Algebra 2
4. Science (Living Environment or Chemistry)
5. Lab/Physical Education
6. Language III
7. Lunch
8. Health ½ yr. /Elective ½ yr.
9. Elective

Grade 11

1. English 11
2. U.S. History 11
3. Algebra 2/Introductory Calculus R/Cal 1H
4. Chemistry or Physics
5. Lab/Physical Education
6. Language IV
7. Lunch
8. Elective
9. Elective

Grade 12

1. English 12
2. Social Studies 12 – Economics
Social Studies 12 – Government
3. Math Elective/Calculus 1H, AP Calculus-BC,
AP Statistics, AP Computer Science
4. Physics or Science Elective
5. Lab/Physical Education
6. College Language
7. Lunch
8. Elective
9. Elective

This is a basic sample four-year plan. Please keep in mind that each student will follow his or her elective choices.

COURSE LISTING FOR 2023-2024

Student-athletes who plan to participate in Division I & II sports at the college level must be cleared by the NCAA. Please go to ncaaclearinghouse.net for more information. Courses listed below with an asterisk* have been approved by the NCAA and can be applied to your core course GPA. See your counselor for more information.

ART

7000	Studio Art 1
7020	Studio Art 2
7040	Studio Art 3
7050	Studio Art 4
7025	Media Arts 1
7030	Media Arts 2
7060	AP Studio Art
7170	Sculpture 1
7172	Sculpture 2

BARRY TECH

6500	Barry Tech AM
6510	Barry Tech PM

BUSINESS EDUCATION

6010	Entrepreneurship
6030	Business Law
6040	Business Law (Full Year)
6045	College Business Law
6070	College Accounting (Full Year)
6072	College Accounting II
6080	College Accounting
6090	Finance
6130	Multimedia
6136	Animation and Video Media
6145	Fashion Marketing
6150	Marketing & Advertising
6152	Entertainment and Sports Marketing
6195	Video Game Marketing
6240	Business Management
6245	College Business Management
6155	College Marketing

COMPUTER SCIENCE

3805	Introduction to Computer Science I
3815	Introduction to Computer Science II
3500	AP Computer Science A
3505	AP Computer Science Principles
3821	Website Programming and Design

ENGLISH

1050	Reading for Meaning
1100	*English 9R
1110	*English 9H
1140	*English 9CT
1109	*English 9SC
1200	*English 10R
1220	*English 10H (Pre-AP)
1240	*English 10CT
1291	*Exploring Journalism Through Multimedia Experience
1141	*English 10SC
1300	*English 11R
1340	*English 11CT
1142	*English 11SC
1390	*AP English Language
1400	*English 12
1420	*AP English Literature & Composition
1500	Theater Arts I
1510	Theater Arts II
1520	Theater Arts III
1530	Theater Arts IV
1540	*College Scene Study and Analysis
1641	*Creative Writing
1646	Film Appreciation
1648	*Ethics in Print
1900	*Greece and Rome Rediscovered
9700	English as a New Language
1143	English 12SC

HEALTH

6410	Health
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LONG ISLAND HIGH SCHOOL FOR THE ARTS (LIHSA)

6504	LIHSA AM
6505	LIHSA PM

MATHEMATICS

3570	*Applied Statistics
3070	*Algebra 2
3112	*Algebra 1 H
3117	*Algebra R
3127	*Algebra CT
9903	*Algebra SC
3130	Algebra Support
3212	*Geometry H
3217	*Geometry R
3227	*Geometry CT
3230	Geometry Support
3312	*Algebra 2 H
3317	*Algebra 2 R
3327	*Algebra 2 CT
9904	Practical Math SC
3330	Algebra 2 Support
3400	* Introductory Calculus
3460	*AP Calculus – BC
3470	* Calculus H
3580	*AP Statistics
3600	*Introduction to BC Calculus H
3740	Mathematics Research H
3750	Mathematics Problem Solving

MUSIC AND PERFORMING ARTS

1500	Theater Arts I
1510	Theater Arts II
1520	Theater Arts III
1530	Theater Arts IV
1540	College Scene Study and Analysis
8020	Concert Choir
8050	Chamber Choir
8060	Women's Chorus
8125	Symphonic Band
8140	Orchestra
8200	Jazz Ensemble
8300	Wind Ensemble
8315	Wind Symphony
8515	Music Industry, Technology and Theory H
8525	Music Theory H
8530	AP Music Theory
8540	Vocal Jazz Ensemble
8562	Chamber Orchestra
8580	Marching Band

PHOTOGRAPHY

7100	Photography 1
7110	Photography 0.5
7120	Photography 2
7140	Photography 3
7150	Photography 4

PHYSICAL EDUCATION

9010	Grades 9 and 10
9020	Grades 11 and 12
9050	Adapted Physical Ed

SCIENCE AND TECHNOLOGY

4100	*Earth Science R
4105	*Earth Science CT
4010	*Earth Science SC
4200	*Living Environment R
4205	*Living Environment CT
4140	*Living Environment SC
4210	*Living Environment H
4310	*Chemistry H
4300	*Chemistry R
4305	*Chemistry CT
4350	*Conceptual Chemistry
4410	*Physics H
4400	*Physics R
4700	*AP Biology
4710	*AP Chemistry
4725	*AP Environmental Science
4800	*Environmental Science SC
4720	*AP Physics C
4735	*Freshmen Research H
4740	Science Research Seminar 1H
4750	Intermediate Science Research 2H
4760	Advanced Science Research 3H
4775	*Oceanography
4780	Nutrition
4785	*Forensic Science
4795	*Anatomy and Physiology
4800	College PLTW Design and Drawing for Production
4805	College PLTW Principles of Engineering
4807	College PLTW Computer Integrated Manufacturing
4809	College PLTW Civil Engineering and Architecture (CEA)
4810	College PLTW Aerospace Engineering

SOCIAL STUDIES

1900	*Greece and Rome Rediscovered
2100	*Global History & Geography 9R
2110	*Global History & Geography 9H
2140	*Global History & Geography 9CT
2140	*Global History & Geography 9SC
2200	*Global History & Geography 10R
2240	*Global History & Geography 10CT
2141	*Global History & Geography 10SC
2230	*AP World History
2300	*US History & Government 11R
2320	*AP US History
2340	*US History & Government 11CT
2142	*US History & Government 11SC
2400	*Economics
2420	*AP European History
2500	*Participation in Government
2510	*Criminal Justice
2520	*Introduction to Psychology
2530	*AP Psychology
2540	*AP Human Geography
2560	*Long Island History
2590	*Contemporary America H

SOCIAL STUDIES (Continued)

2700 *AP Macroeconomics
2750 *AP US Government & Politics
4735 *Freshmen Research H

WORLD LANGUAGES

5800 *Latin 1
5870 *Latin 1H
5820 *Latin 2
5810 *Latin 2H
5845 *College Latin 3
5890 *College Latin 4
5300 *Spanish 1
5301 *Spanish 1H
5400 *Spanish 2
5410 *Spanish 2H
5500 *Spanish 3
5510 *Spanish 3H
5580 *Spanish 5
5565 *College Spanish 4
5590 *College Spanish 5
5600 *German 1
5601 *German 1H
5620 *German 2
5610 *German 2H
5640 *German 3
5630 *German 3H
5665 *College German 4
5695 *College German 5
5700 *Italian 1
5790 *Italian 1H
5720 *Italian 2
5710 *Italian 2H
5740 *Italian 3
5730 *Italian 3H
5750 *Italian 4
5760 *Italian 4H
5780 *Italian 5
5765 *College Italian 4
5790 *College Italian 5
9700 English as a New Language