

Garfield High School Program of Studies

2024-2025



Garfield High School
500 Palisades Ave
Garfield, NJ 07026
973 - 340 - 5010

District Administration

Nicholas L. Perrapato, *Interim Superintendent of Schools*
Dr. Giovanni Cusmano, *Assistant Superintendent of Schools*
Kathlene Derych, *Business Administrator/Board Secretary*
Daniel Golabek, *Assistant Business Administrator*
Alexandra Bellenger, *Director of Curriculum & Instruction*

High School Administration

Dora D'Amico, *Principal*
Christopher Annibal, *Vice Principal*
Jennifer Botten, *Vice Principal*
Brian Cameron, *Vice Principal*
Dawn Donetz, *Director of Guidance*
Michael Alfonso, Jr, *Director of Athletics*
Todd Williams, *Supervisor of Discipline*

District and High School Supervisors

Kerri Taylor, *Federal Programs Supervisor*
Deborah Rigoglioso, *Technology Integration Supervisor*
Beth Tecchio, *Director of Special Services*
Joan D'Amico, *Assistant Director of Special Services*
Thomas Giuffre, *Associate Director of Athletics*
David Gierek, *Curriculum Supervisor— Science*
Anna D'Agostino, Ed.D., *Curriculum Supervisor— Language Arts*
Elizabeth Mierzejewski, *Curriculum Supervisor— Mathematics*
Daniel Rigoglioso, *Curriculum Supervisor— Social Studies*

Table of Contents

Introduction	4
Programs Offered	5
Honors Placement & Waiver Procedures	7
Graduation Requirements	9
Credit Attainment & Grade Promotion	11
Student Course Checklist	12
Four Year Plan	13
Program of Studies	14
English	15
Mathematics	22
Science	31
Social Studies	37
Health & Physical Education	46
World Language	49
Fine and Performing Arts	53
Practical Arts	61

Introduction

The Program of Studies was designed to aid you in planning your academic program. Garfield High School course offerings provide a wide variety of learning opportunities and require you to make discriminating selections because decision making is an important part of the total learning process. The Program of Studies will be available for parents and students in the following locations: Parent Portal, Student Portal, GHS webpage, Guidance Webpage, and Class Teams.

The Course Planning Process

In January, students will receive their course recommendations from their teachers. It is very important for students to share this information with their parents/guardians. Parents and students will be able to view course recommendations on both Parent and Student Portals. The offerings in this Program of Studies should be carefully reviewed to select courses that will best meet the needs and goals of the individual student. The courses you select every year are important. Your counselor, with the assistance of your teachers, case managers and parents/guardians, can help you select the courses that best fit your own talents, needs, interests and future goals. Plan to find out as much as you can about courses you are interested in and discuss them in school and at home before you sign up for any course.

The creation of the master schedule for courses occurs once all students have submitted their course selection sheets, and a final count of students per course has been obtained. This count dictates the number of sections that will be made available to students in the upcoming year. The scheduling team carefully analyzes the optimal placement of each course to accommodate the highest number of students. Finalizing class enrollment involves taking various factors into account, such as teacher and room availability, as well as student interest. While the master schedule team strives to accommodate all course requests, students may need to make choices between courses in the event of scheduling conflicts.

Scheduling Timeline:

- Program of Studies Released for 2024-2025 school year: January 10, 2024
- Course Placement & Selection
 - Teacher Recommendations: January 17 – 18, 2024
 - Students select courses via Student Portal: January 24-31, 2024
 - Students meet with Guidance Counselor: Starting the week of January 29, 2024
- Waivers for Honors Requests: Due February 14, 2024
- Schedule Change Requests: Date at the end of the year (May/June) to be determined.

Programs Offered

Advanced Placement (AP)

Advanced Placement is a program created by the College Board which offers college level curricula and examinations to high school students. American colleges and universities may grant placement and course credit to students who obtain high scores on the examination. The accepted scores are to be determined by the individual colleges and universities. The AP curriculum for each of the various subjects is created for the College Board by a panel of experts and college-level educators in that field of study. For a high school course to have the designation, the course must be audited by the College Board to ascertain that satisfies the AP curriculum. If the course is approved, the school may use the AP designation and the course will be publicly listed on the AP Course Ledger.

- AP Biology
- AP Calculus
- AP Computer Science
- AP Language & Composition
- AP Literature & Composition
- AP Spanish
- AP US History II

Dual Enrollment

Dual Enrollment programs allow students to be enrolled in two separate, academically related institutions. Generally, it refers to high school students taking college or university courses. Students will take courses here at Garfield High School which will earn them college credits through either Fairleigh Dickinson or Bergen Community College. The rigor and expectations for such courses are intended to be on a college level.

Credits are only earned if students earn no less than a "C" average for the term. Students will have to pay for college credits; however, payment varies depending on the course and whether the student qualifies for free or reduced lunch. Students will need to check with the host school if their credits can be transferred to their college or university of choice.

- Advanced Creative Writing
- Anatomy and Physiology
- Engineering and CAD
- English Composition
- Holocaust/Genocide Studies
- Introductory Drawing
- Italian III
- Italian IV
- Research and Lab Techniques
- Statistics
- Success 101
- Technical Drawing and CAD
- Tomorrow's Teachers
- U.S. History III

Honors

Honors courses are courses which are academically challenging and more rigorous than College and Career Ready courses. Students selecting these courses should be independent students with a strong work ethic and are prepared for summer assignments and an extensive workload.

Satellite Program

The satellite program is a shared-time program between Garfield High School and Bergen County Technical Education Center. Located in Paramus, Bergen County Technical Schools offers training in eight distinct trade clusters: Automotive, Construction, Electrical, Foods, Health Occupations, Office Occupations, Small Animal Care, and Personal Services, which encompasses Beauty Culture and Childcare. These specialized programs span a duration of three to four years. To apply, students can do so through their school counselors or case managers.

Students will attend Garfield High School for half the school day and Bergen County Technical School for the other half. All academic courses and extracurricular activities are conducted at Garfield High School, where students are awarded their diplomas upon graduation. Additionally, Bergen County Technical Schools grants trade training and vocational skill certificates to students who fulfill all requirements.

ESL (Levels 1 – 4)

The English as a Second Language program is designed to teach skills in grammar, vocabulary, composition and reading so that a student may communicate clearly, effectively, and in an organized style in a second language. This program provides a comprehensive, developmental program in all four language domains: reading, speaking, writing, and listening. The program also addresses content area subjects and their themes through literature and vocabulary. Students qualify for the ESL program through a statewide pre screener, ACCESS, and move through the different levels by a multiple measure approach. This approach includes state testing results, grades, teacher recommendations, and ESL State Access testing. As students move through the different ESL levels, the core curriculum addresses their individual needs and language proficiency.

Delayed Arrival/Early Release

Seniors may request Delayed Arrival/Early Release in their schedule. Requests are not a guarantee that it will be included in the final schedule for a senior. Inclusion in the final schedule depends on multiple factors, including but not limited to credit status, NJ GPA assessments scores, and conflicts with requirements.

Honors Placement & Waiver Procedures

Honors classes demand strong reading, writing, math, and critical thinking abilities. Students will also be required to do extra reading and writing assignments outside of regular class hours.

Students must complete the [Honors Self Evaluation Form](#) and meet all the following criteria:

ELA Honors Requirements

- 1050 Lexile*
- Estimated Final Average at time of placement:
 - For current Honors ELA class: 80% or higher
 - For current Academic ELA class: 90% or higher
- Assessment Average:
 - For current Honors ELA class: 80% or higher
 - For current Academic ELA class: 85% or higher
- Writing Sample Required - Paper must be graded.
- Summer Assignment for the current year must be submitted.
- Recommendation of the current ELA teacher

*Exceptions can be made if other requirements are met, but conference may be required.

History Honors Requirements

- 1050 Lexile*
- Estimated Final Average at time of placement:
 - For current Honors History class: 80% or higher
 - For current Academic History class: 90% or higher
- Assessment Average:
 - For current Honors History class: 80% or higher
 - For current Academic History class: 85% or higher
- Summer Assignment for the current year must be submitted. (Where applicable).
- Writing Sample Required - Paper must be graded.
- Recommendation of the current History teacher

*Exceptions can be made if other requirements are met, but conference may be required.

Math Honors Requirements - Regular Class

- Estimated Final Average at time of placement:
 - For current Honors Math class: 80% or higher
 - For current Academic math class: 90% or higher
- Assessment Average:
 - For current Honors Math class: 80% or higher
 - For current Academic Math class: 85% or higher
- Recommendation of the current Math teacher

Science Honors Requirements

- Estimated Final Average at time of placement: 90% or higher
- Estimated MATH Final Average at time of placement: 85% or higher
- Assessment Average: 85% or higher
- Recommendation of the current Science teacher

World Language Honors Requirements

- Estimated Final Average at time of placement: 85% or higher
- Assessment Average: 85% or higher
- Recommendation of the current World Language teacher

Honors Waiver Process

Garfield High School carefully considers both grades and other important factors to decide which classes are best for each student. Our goal is to accurately find the right academic course and level for everyone. We're confident that our placement system is designed to create a learning plan that challenges and improves each student's skills and intelligence while being just the right level of difficulty.

We believe in working together, so we encourage parents and students to be part of the decision-making process. We value the thoughts and ideas of families in customizing the educational experience to fit each student's unique needs. Families may request a change to the placement made by the school by completing the waiver process outlined below.

- Incoming Ninth grade students, may request a change to the placement for **ONE HONORS** course
- Tenth, Eleventh and Twelfth grade students, may request a change to the placement for no more than **TWO HONORS** courses.
- All students may elect to waive OUT of an Honors course placement

To request a change in placement:

1. Students who wish to waive into an Honors Course, must first complete the [Honors Self Evaluation Form](#)
2. All students who wish to change the placement (either into or out of an Honors course) must complete the [Honors Waiver Request Form](#).
 - a. A paper copy of this completed form will be provided to the student and must be signed by a parent/guardian.
 - b. The signed paper copy should be returned to the student's guidance counselor.

All waiver requests must be completed by: February 14, 2024

Graduation Requirements

The Board of Education requires that each student meet the minimum standards for promotion, for graduation, and for a state endorsed diploma. The goal is to prepare students for success in postsecondary degree programs, careers, and civic life in the 21st century.

Subject Area	Required for GHS Diploma 130 credits	Recommended Credits/Course Work for College Preparation*
English	20-25 credits	20-25 credits
Mathematics	15 credits based on placement in Grade 9 <ul style="list-style-type: none"> Algebra I or the content equivalent Geometry or the content equivalent Third year of math that builds on the concepts and skills of algebra and geometry and prepares students for college and 21st century careers 	20 credits
Science	15 credits <ul style="list-style-type: none"> Biology – Required Chemistry Physics Environmental Science Physical Science Earth Science 	20 credits *Chemistry and Physics strongly recommended
Social Studies	15 Credits <ul style="list-style-type: none"> World History US History I US History II 	20 credits
Financial, Economic, Business, and Entrepreneurial Business Literacy	2.5 credits	Reflecting interests and talents
Health, Safety, and Physical Education	20 credits <ul style="list-style-type: none"> Health (1.25 credits) and Physical Education (3.75 credits) for each year of enrollment 	20 credits
Visual and Performing Arts	5 credits	Reflecting interests and talents
World Languages	5 credits	10 or more credits**

21 st Century Life and Careers	5 credits	Reflecting interests and talents
Electives	17.5 – 22.5 credits Reflecting interests and talents	
State Assessment	Passing score on the NJGPA taken in Grade 11***	

* Considering the vast number of institutions of higher learning and the wide variety of admissions standards, it is wise to consult college catalogs for specific requirements.

**Two years of the same world language

*** For more information regarding the State Assessment testing Requirements for Graduation, including cut scores and secondary and tertiary pathways please visit:

https://www.nj.gov/education/assessment/requirements/2023_2025.shtml

Mapping A Course of Study for College and Career Readiness

It is essential that all students plan a high school education program that is academically interesting, personally enriching, and best prepares them for life after high school which may include: entering the workforce, joining the military, or higher education. Students should strive to take appropriately rigorous courses, challenging themselves with work they can handle without creating an unnecessary burden.

Courses required for graduation in the state of New Jersey provide a solid foundation, but students should look to go above and beyond the general requirements, taking additional academic course work to enhance preparedness. Students should strive to take at least 5 academic courses each year in the core content areas (English language arts, science, mathematics, social studies and world language). Four academic courses must be included in all twelfth (12th) grade student schedules.

College admission counselors will expect a student's high school records to show academic rigor, quality of academic performance and participation in extra-curricular activities and community service. Whether preparing for college or career training, a strong academic foundation is critical for any individual to be competitive in college or the workforce.

Credit Attainment & Grade Promotion

All students must successfully complete 130 credits to graduate from Garfield High School.

During 9th, 10th, 11th, and 12th grade, students must attempt 40 credits.

Grade Level Status/Designation	Minimum Credits Needed
12th Grade	90 credits *Must be eligible to graduate in June or August
11th Grade	60 credits
10th Grade	30 credits

Required credits for athletes to be eligible to participate in sports (according to NJSIAA):

- Fall/Winter Season – students must have successfully completed 30 credits in the prior school year.
- Spring Season – students must have successfully completed 15 credits as of midyear.

Student Course Checklist

** Each student must complete a minimum of 130 credits in order to be eligible for graduation.**

Language Arts – 4 years

- English I (10 credits)
- English II (5 credits)
- English III (5 credits)
- English IV (5 credits)

Mathematics – 3 years

- Algebra I (5 credits)
- Geometry (5 credits)
- Algebra II (5 credits)
- Pre-calculus (5 credits)

Science – 3 years

- Environmental Science (5 credits)
- Biology* (Required) (5 credits)
- Chemistry (5 credits)
- Physics (5 credits)
- Earth Science (5 credits)
- Physical Science (5 credits)

History – 3 years

- World History (5 credits)
- US History I (5 credits)
- US History II (5 credits)

World Language – 1 year

- Year 1 (5 credits)
- Year 2 (for 4-year college)

Fine and Performing Arts – 1 year

- Half year 1 (2.5 credits)
- Half year 2 (2.5 credits)

21st Century Life and Careers and

Technical Education – 1 year

- Half year 1 (2.5 credits)
- Half year 2 (2.5 credits)

Physical Education – 4 years

- Grade 9 (3.75 credits)
- Grade 10 (3.75 credits)

- Grade 11 (3.75 credits)
- Grade 12 (3.75 credits)

Health – 4 years

- Grade 9 (1.25 credits)
- Grade 10 (1.25 credits)
- Grade 11 (1.25 credits)
- Grade 12 (1.25 credits)

Financial Literacy –

Half year (1 Semester)

Select 1

- Economics (2.5 credits)
- Financial Literacy (5 credits)

Free Electives - 17.5 -22.5 Credits

Elective 1 _____ (____ Credits)

Elective 4 _____ (____ Credits)

Elective 2 _____ (____ Credits)

Elective 5 _____ (____ Credits)

Elective 3 _____ (____ Credits)

Elective 6 _____ (____ Credits)

Four Year Plan

Name: _____

Grade	9 th	10 th	11 th	12 th	Repeat
English					
Math					
Science					
History					
Physical Education & Health					
World Language					
Fine/Performing Art					
Practical Art					
Economics					
Electives					
Sub-Totals					
Summer School					

***12th grade students must have a minimum of 4 academic classes in their schedule. ***

Total Credits: _____

Date: _____

Program of Studies

This Program of Studies describes Garfield High School's course offerings and the levels available within each academic discipline. The diversity of the program is an indication of our commitment to provide each student with the opportunity to maximize his/her potential while in high school.

Prior to the descriptions of courses offered in each academic discipline, the course sequence is listed. The sequence is listed in what is the traditional pathway for a typical student. There is flexibility in the pathways based on the individual student's academic needs. For example, a student may start out in the College/Career Ready Pathway and move into the Honors Pathway in the next year.

English

Course Sequence

Grade	College/Career Ready		Honors
9	English I	English I	Honors English I
10	English II	American Studies/English II	Honors English II
11	English III	American Studies/English III	AP Language & Composition, AP Literature & Composition, or English Composition+
12	English IV	English Composition+ or English IV	AP Language & Composition, AP Literature & Composition, or English Composition+

Semester Electives

Journalism
Public Speaking
English Skills*
Success 101+
Creative Writing
Advanced Creative Writing+
SAT Prep
Adventures in Graphic Novels

*English Skills – Grade 12 students who have not met the NJ State Testing Requirements for Graduation

+ Dual Enrollment Course

English I Honors (Full year/10 credits)Open to Grade: 9Prerequisite: 90 or better in Language Arts Grade 8; Teacher Recommendation

In the English I Honors, students will read from select novels, plays, short stories, nonfiction texts, informational articles, and editorials reflecting diverse perspectives spanning from traditionally classical pieces to more modern literature. The majority of texts will focus on the analysis and understanding of social commentary, character development, and the impact of thematic elements. Themes covered in the unit will include the hero's journey, coming of age, social commentary in literature, etc. Students will synthesize various literary elements and devices as they respond to the readings, using textual evidence from multiple texts to build and support a claim and refute opposing views. Students will also practice writing rhetorical analysis, synthesis, and argument essays in preparation for advanced classes. Additionally, fiction, poetry, thematic, character analysis, persuasive essays, research projects, and more creative pieces will be completed throughout the course. Writing, reading, and assessments will be assigned daily. In addition to assigned texts, students will often be required to choose fiction and nonfiction related to guided criteria for independent reading to supplement mentor texts. Students will also be required to maintain a digital folder of writings that reflect their progress and personal excellence.

English I (Full year/10 credits)Open to Grade: 9Prerequisite: Language Arts Grade 8

In the English I course, students will be introduced to several literary genres and include texts from diverse cultures and time periods. English I is designed as a combination of a literature and writing class which will also focus on the Hero's Journey, and the connection it forms between pieces of literature. Each unit will build upon the other and students will see a pattern in universal themes, while they build connections between art and society. Studies will include, but are not limited to units in poetry, dystopian literature, dramas, memoirs, epics and fantasy novels. The class will also focus on emerging analytical skills, specifically regarding writing. Assessments will ultimately focus on developing students' ability to think critically and express their ideas in various forms, including papers, presentations, and creative outlets. The goal of the curriculum is for students to become well-rounded readers and life-long learners. Students will establish a strong foundation for college-level skills, which will prepare them for state testing.

English II Honors (Full year/5 credits)Open to Grade: 10Prerequisite: English I Honors; 90 or better in English I; Teacher Recommendation

In the English II Honors course, students will focus on reading, writing, and language skills that are relevant to students' current work and essential for students' future to future high school and college coursework. Students will be exposed to texts from a variety of genres and cultures that will help develop critical thinking and analytical skills. These works will reflect themes related to a character's internal conflict and external challenges within a society. This course will help students to analyze smaller details in a text and create a deeper understanding of the work as a whole. This course will prepare students for more rigorous, college-level English classes, such as AP Literature, AP Language, and English Composition.

American Studies I/English II (Full year/5 credits)Open to Grade: 10Prerequisite: English I; Recommendation from both English I and World History teachers.Corequisite: American Studies I/US History II

In the American Studies I course, teachers will use an interdisciplinary approach to American History and Literature as its vehicle to historical and literary awareness. Parallel language arts and social studies units from the political literature of our Founding Fathers to the influential themes of Reconstruction will be presented in an analytical and critical manner. Assessments will heavily rely on student writing and historical interpretation skills and on individual ability of reflection and analysis of the historical documents from the designated themes or units. Literary techniques will be taught in order to further the students' appreciation of the historical relevance of literary works. Communication skills that allow for clear, analytical thinking and historical interpretation through both the written and spoken word will be highlighted as a primary goal of American Studies I.

English II (Full year/5 credits)Open to Grade: 10Prerequisite: English I

In the English II course, students will use the literature of America as its vehicle to literary awareness. Literary growth from the historical literature of our Founding Fathers to the mid-1800s will be featured and treated in an analytical and critical manner. In the English II course, students will be focus on developing an understanding of persuasive techniques. Looking at a combination of fiction and nonfiction texts, students will be asked to think critically about the ideas being presented and the authors' techniques. English II presents literature that is identified by internal conflict, idealism, and loyalty vs. betrayal. The class will also focus on further developing analytical skills, specifically regarding writing. Discussions and papers will spotlight and assess themes, characters, and literary focus. Short stories and poetry require the reader to draw conclusions from shorter pieces of fiction and grow as readers. Mechanics and usage will be reinforced through student work in each of the units being studied.

American Studies II/English III (Full year/5 credits)Open to Grade: 11Prerequisite: American Studies ICorequisite: American Studies II/US History II

In the American Studies II course, teacher will use an interdisciplinary approach to American History and Literature as its vehicle to historical and literary awareness. Parallel language arts and social studies units from the historic political literature of the Reconstruction through the Cold War will be featured and treated in an analytical and critical manner. Activities will heavily rely on student writing and historical interpretation skills and on individual ability of reflection and analysis of the historical documents from the designated themes or units. Literary techniques will be taught in order to further the students' appreciation of the historical relevance of literary works. Communication skills that allow for clear, analytical thinking and historical interpretation through both the written and spoken word will be highlighted as a primary goal of American Studies II.

English III (Full year/5 credits)Open to Grade: 11Prerequisite: English II

In the English III course, students will use the literature of America as its vehicle to literary awareness. Literary growth from the historical literature of the mid –1800s to the critical contemporary themes of the 20th century will be featured and treated in an analytical and critical manner. Assessments will heavily rely on student writing skills and individual ability for interpretation of the use of literary techniques to advance theme, characterization, conflict or plot. Students will reflect on the role of literature with regard to values and lessons relevant to today's everyday life. In all cases, communication skills that allow for clear, analytical thinking, will be highlighted as a primary goal of English III.

English IV (Full year/5 credits)Open to Grade: 12Prerequisite: English III

In the English IV course, students will focus on British Literature and the origin and development of the English language. Through examining literature related to specific periods in British history, students will come to understand Britain's impact on our language. Beyond the mandatory readings discussed above, a variety of novels, short stories, and poetry will also be introduced and discussed in this course. As students prepare for life beyond high school, writing for specific purposes becomes an essential skill for them to develop and master. With this in mind, a Writing for College component has been incorporated into the English IV curriculum. Personal statements and activity sheets to be included in the college application process, persuasive writing, and research skills are all included under the umbrella of Writing for College.

AP Literature and Composition (Full year/5 credits)Open to Grade: 11, 12Prerequisite: English II Honors

In the AP English Literature and Composition course, students will engage in careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepened their understanding of the ways writers use language to provide both thematic meaning and social commentary. As they read, students consider a work's structure, style, and theme, as well as such smaller-scale elements like the use of figurative language, imagery, symbolism and tone. The course includes intensive study of representative works from various genres and periods, concentrating on works of complexity. In addition to considering a work's literary artistry, students reflect on the social and historical values it reflects and embodies. Furthermore, writing is an integral part of the course and exam. Writing assignments focus on critical analysis of literature and include expository, analytical, and argumentative essays. The course is designed to prepare students for both the Advanced Placement Literature and Composition exam and higher education.

AP Language and Composition (Full year/5 credits)Open to Grade: 11, 12Prerequisite: English II Honors

In the AP Language and Composition course, students will read various nonfiction and fiction pieces, from speeches to memoirs to novels, in order to develop argumentative writing and critical thinking skills. AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like the rhetorical situation, claims and evidence, reasoning and organization, and style. The course is designed to prepare students for both the Advanced Placement Language and Composition exam and higher education in general.

English Composition 101 (Full Year/5 credits)Open to Grade: 11, 12Prerequisite: None**Bergen Community College Dual Enrollment Eligible Course**WRT 101- English Composition I (3 credits)**WRT 201 – English Composition II (3 credits)*

This course can be used in place of English III or IV

In the English Composition 101/201 course, students will have the opportunity to earn dual enrollment credits through Bergen Community College. This course counts for two college courses. It gives students the opportunity for extensive practice in expository writing. The course emphasizes the writing process and concentrates on the organization and development of ideas in written work and on student responses to reading and literature.

SAT Prep (Half Year/2.5 credits)

Open to Grade: 11, 12

Corequisite: SAT Prep Math Component

In the SAT Prep Course, students will develop testing skills needed to be successful on the SAT. Our SAT course provides thorough preparation for the mathematical portion of the SAT exam. It covers content reviews to promote content mastery and teaches students the most dynamic and updated strategies and methods available. Students build their skills each week and increase their confidence level over the span of the course.

English Skills 12

Open to Grade: 12

Prerequisite: None

In the English Skills 12 course, students will work towards meeting a graduation requirement. Seniors who have taken the NJ GPA or one or more of the substitute competency tests and have NOT met the minimum established testing requirements will be enrolled in this ELA basic skills class. In this half year course, students will review and develop skills, and if necessary, complete a portfolio to meet the graduation requirements.

Adventures in Graphic Novels (Half Year/2.5 Credits)

Open to Grade: 10, 11, 12

Prerequisite: None

In the Adventures in Graphic Novels course, students will consider graphic novels primarily as literary texts. Students will read comics from around the globe and consider them in cultural, historical, and literary contexts. To help with this analysis, students will be asked to learn domain specific terminology, and analytical skills to the works. While students will be reading stories from traditional superhero titles such as *Batman*, *Spiderman*, and *Black Panther*, they will also be exposed to graphic memoirs and titles from independent publishers, such as *Maus*, *Persepolis*, and *Nimona*.

Public Speaking (Half Year/2.5 credits)

Open to Grade: 10, 11, 12

Prerequisite: None

In the Public Speaking Course, students will define Public Speaking and identify its benefits and risks. Students examine the five levels of communication and create a Public Speaking Mode. Next, students select topics and present the following speeches: a speech to inform, a speech to persuade, and a speech to entertain. Students examine the effective use of language, including dialects, style, and tone. Nonverbal delivery and voice production are studied with an emphasis on self-improvement.

Journalism (Half Year/2.5 credits)Open to Grade: 10, 11, 12Prerequisite: None

In the Journalism course, students explore the specialized skills necessary for research, regulations, compositions and production of newspapers and news media. Beginning with such basic skills as the ability to determine who, what, where, when, how, and why and processing through the inverted pyramid, composite and chronological structure, photography, layout, and advertising; touching the tools of proof and copy reader, this course allows for an introductory overview of all phases in journalism while utilizing student skills of reading, writing, speaking, and listening.

Creative Writing (Half Year/2.5 credits)Open to Grade: 11, 12Prerequisite: None

In the initial Creative Writing course, students will learn that writing can be fun and done on their own terms. Creative Writing is designed to instill a creative desire in students. When students realize that they are free to create their own worlds, characters, and events; they enjoy the act of writing that much more.

Advanced Creative Writing (Half Year/2.5 credits)Open to Grade: 11, 12Prerequisite: Creative Writing**Bergen Community College Dual Enrollment Eligible Course**WRT 204 – Creative Writing (3 credits)*

In the Advanced Creative Writing course, students are invited to continue their writing journeys from the initial Creative Writing course. This course is an approved Bergen County Community College course and students can receive college credit when taking it. They will be taking the skills they learned in Creative Writing and expanding on them in a writer's workshop environment. Units of study will include, but not be limited to; poetry, memoir writing, creative non-fiction, and flash fiction.

Success 101 (Half Year/2.5 credits)Open to Grade: 11, 12Prerequisite: None**Bergen Community College Dual Enrollment Eligible Course**IST 123 – Success 101 (3 credits)*

In the Success 101 Course, students will develop skills critical to success in higher education. The subject of this class is SUCCESS...what success is for you personally and how you can achieve it. Students will learn many proven strategies for creating greater academic, professional, and personal success. Emphasis will be placed on self-assessment and goal setting, written and oral communication skills, critical thinking, time management and study skills.

Mathematics

Course Sequence

Grade	College/Career Ready	Honors		
9	Algebra I / Math Skills Gr. 9	Algebra I	Algebra I Honors	Algebra II & Trigonometry Honors / Plane & Solid Geometry Honors
10	Plane Geometry	Plane Geometry	Algebra II & Trigonometry Honors / Plane & Solid Geometry Honors	Pre-Calculus Honors
11	Algebra II / Math Skills Gr. 11	Algebra II	Pre-Calculus Honors	Calculus Honors or AP Calculus
12	Elective		Elective	

Electives

Accounting
AP Calculus
AP Computer Science
Business Math
Computer Science
Probability & Financial Literacy
Statistics+

+Dual Enrollment Course

Algebra I (Full year/5 credits)Open to Grade: 9Prerequisite: Math grade 8

In the Algebra I course, students will develop a foundation for all future mathematics courses. Modeling and problem solving are at the heart of the curriculum. Mathematical modeling consists of recognizing and clarifying mathematical structures that are embedded in other contexts, formulating a problem in mathematical terms, using mathematical strategies to reach a solution, and interpreting the solution in the context of the original problem. Students will explore foundations of algebra, solving equations and inequalities, introduction to functions, linear functions, systems of equations and inequalities, exponents and exponential functions, polynomials and factoring, quadratic functions and equations, and radical expressions and equations. Students must be able to solve practical problems, representing and analyzing the situation using symbols, graphs, tables, or diagrams. Throughout this course, New Jersey Student Learning Standards are taught and reinforced as the student learns how to apply the concepts in real-life situations.

Algebra I Honors (Full Year/5 credits)Open to Grade: 9Prerequisite: 90 or higher in math grade 8; Teacher Recommendation

In the Algebra I Honors /Geometry Honors course, students will learn the content in two semester-long sessions, consisting of Algebra I and Honors Geometry. Algebra I is designed to give students a foundation for all future mathematics courses and to provide students with an in-depth level of instruction, an accelerated pace, and a cooperative learning environment. The course guides students in the development of critical thinking skills and algebraic problem-solving skills which provide the foundation for real world problem-solving. They must effectively distinguish relevant from irrelevant information, identifying missing information, acquire needed information and decide whether an exact or approximate answer is called for, with attention paid to the appropriate level of precision. Throughout this course, New Jersey Student Learning Standards are taught and reinforced as the student learns how to apply the concepts in real-life situations.

Plane Geometry (Full year/5 credits)

Open to Grade: 10

Prerequisite: Algebra I

In the Plane Geometry Course, students will focus on the study of the properties and applications of common geometric figures in two and three dimensions. Students will investigate concepts concerning points, lines, planes, angles, triangles, polygons, circles and solids through logical structure and inductive and deductive reasoning, constructions, and numerical problems. Real-world applications are explored regularly. Topics to be explored in depth include transformations, classifying quadrilaterals, triangles relationships, measuring plane figures, reasoning in parallel lines, proving triangles congruent, similarity, right triangle trigonometry and properties of circles. Students will be required to use different technological tools and manipulatives to discover and explain much of the course content. Throughout this course, New Jersey Student Learning Standards are taught and reinforced as the student learns how to apply the concepts in real-life situations.

Plane and Solid Geometry Honors (Full Year/5 credits)

Open to Grade: 10

Prerequisite: Algebra I

In the Plain and Solid Geometry Honors course, students will take an in-depth look at creating geometric constructions for many of the geometric concepts covered. Honors Geometry is a course intended for students who excel in math and who intend to continue their study of higher level of mathematics in high school and college. An increased emphasis will be placed on writing formal geometric proofs using deductive reasoning. This course will require students to be highly motivated, as the instruction will be faster paced with an expectation of a higher level of understanding of all geometric postulates and theorems.

Algebra II (Full Year/5 credits)

Open to Grade: 11

Prerequisite: Geometry

In the Algebra II course, instruction will continue to build on algebraic concepts. Throughout the year, topics previously studied in Algebra I will be taken to a more advanced level of understanding. Emphasis is placed on problem solving and developing critical thinking skills. Course content will include the study of the quadratic, rational, and radical functions. Students will also gain knowledge in the real and imaginary number systems. In addition, students will study polynomial operations, systems of equations, data analysis and probability, and will be introduced to exponential and logarithmic functions. The content of this course is important for students' success on both the ACT and college mathematics entrance exams. Graphing calculators will be utilized when applicable. This course is not a review of Algebra I and students should enter this course with a level of proficiency in the skills taught in previous classes.

Algebra II and Trigonometry Honors (Full year/5 credits)

Open to Grade: 11

Prerequisite: Teacher recommendation and a 90 or better in Geometry

In the Algebra II and Trigonometry Honors course, students will learn that Algebra is the language through which most of mathematics is communicated and therefore is a fundamental lifetime skill. Since the emphasis is on problem solving, we integrate this in each of the areas covered throughout the course. Algebra II extends the fundamental concepts and skills of elementary algebra to a higher level and while introducing new concepts, draws upon the same basic notions previously studied. Calculators and computer activities are also integrated into the curriculum as a tool for processing data and performing calculations to investigate and solve problems where appropriate. Open-ended questions are given to students throughout the year to expose students to these types of problems in preparation for state testing. Additionally, topics of trigonometry are included. The basic Algebra II topics are expanded to prepare students for the study of calculus. Technology is effectively and efficiently used throughout this course.

Pre-Calculus (Full Year/5 credits)

Open to Grade: 11, 12

Prerequisite: Algebra I, Algebra II, Geometry

In the Pre-Calculus course, students will learn to appreciate mathematics as a logical science, while providing them with the tools necessary for a foundation for the study of calculus, or any higher-level math course. An appreciation and understanding of the language and notation of math, as appears in the related texts of this higher-level course, is also encouraged. Technology will be effectively and efficiently utilized throughout this course, including use of the TI Graphing Calculator. The core topics relate to trigonometry, transcendental functions, and function analysis.

Pre-Calculus Honors (Full Year/5 credits)

Open to Grade: 10, 11, 12

Prerequisite: Algebra II and Trigonometry

In the Pre-Calculus Honors course, students study the principles and techniques of algebraic, geometric, and trigonometric functions. The goal is to encourage students to appreciate mathematics as a logical science, while providing them with the tools necessary for a foundation for the study of calculus, or any higher-level math course. There is an intense focus on higher applications of mathematics as it pertains to the real world. Technology will be effectively and efficiently utilized throughout this course, including use of the TI Graphing Calculator. Students leaving the Pre-Calculus Honors course will have developed a deeper appreciation for mathematics and be prepared to advance their knowledge even further through courses like Calculus Honors or AP Calculus.

Calculus Honors (Full Year/5 credits)Open to Grade: 11, 12Prerequisite: Algebra II and Trigonometry

In the Calculus Honors course, students will apply their understanding of the culmination of high school mathematics. It calls upon the skills and information acquired in previous years and applies them to problems that are inherently more interesting and complicated than those previously encountered. The study of Calculus is of significance to students who are prospective mathematics majors, engineering students or some students who wish to pursue physical or social sciences. It is assumed that the student taking Calculus has successfully completed study in basic algebra, geometry, advanced algebra, and some trigonometry. The rigor with which material is presented and developed throughout Calculus is significantly above the average ability and motivation compared to other areas of mathematics. Students will relate many of the problems encountered in the study of any calculus course to careers, which may be under consideration. Applications to engineering, medical as well as economic careers are included throughout and help to justify and clarify the importance of studying calculus. The students will learn skills necessary to better understand and function in technological society.

AP Calculus (Full Year/5 credits)Open to Grade: 11, 12Prerequisite: Algebra II and Trigonometry

In the AP Calculus course, students will learn multi-representational approaches to calculus, with concepts, results, and problems expressed graphically, numerically, analytically, and verbally. Exploring connections among these representations builds understanding of how calculus applies limits to develop important ideas, definitions, formulas, and theorems. A sustained emphasis on clear communication of methods, reasoning, justifications, and conclusions is essential. Teachers and students should regularly use technology to reinforce relationships among functions, confirm written work, implement experimentation, and assist in interpreting results.

Computer Science (Full Year/5 credits)Open to Grade: 10, 11, 12Prerequisite: Algebra I

In the Computer Science Course, students will learn about computer programming in a beginning course designed as a broad survey of the computer science discipline. The course will allow the students to become familiar with the Windows OS while exploring the computer's role in representing, storing, manipulating, and organizing information. The BASIC programming language will act as the instrument to implement these concepts with the focus of the course centered around software design, the use of the computer in problem solving and the ability to write and understand computer algorithms.

AP Computer Science (Full Year/5 credits)Open to Grade: 11, 12Prerequisite: Computer Science

In the AP Computer Science course, students will be introduced to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), and the analysis of potential solutions. Applications of computing provide the context in which these subjects are treated with the Java programming language acting as the vehicle for implementing computer-based solutions. The course emphasizes both object-oriented and imperative problem solving and design. Treatments of computer systems and social implications of computing are also integrated throughout the course.

Probability and Financial Literacy (Full Year/5 credits)Open to Grade: 12Prerequisite: Algebra I, Algebra II, Geometry

In the Probability and Financial Literacy course, students will learn how to prepare for the choices and challenges of today's financial markets. A better understanding of personal finance will help students move into adulthood making more informed monetary decisions, realizing a greater potential for personal wealth, and fostering a stronger state and national economy. The class will focus on income, money management, spending, and credit, saving and investing, consumer protection and risk management. In the probability portion of the course students will be introduced to major concepts and tools for collecting, analyzing, and drawing conclusions from data, including exploring data, statistical inference, planning a study, and using probability and simulation to anticipate patterns.

Statistics (Full Year/5 credits)Open to Grade: 12Prerequisite: Algebra 2**Bergen Community College Dual Enrollment Eligible Course**MAT 150 – Statistics (3 credits)*

In the Statistics course, students will experience a practical hands-on approach to the study of statistics and probability. This course is the high school equivalent of a one semester, introductory college statistics course, designed for the college bound student who has demonstrated success in Algebra 2 and displays a willingness to explore a large range of topics with an emphasis on “real-world” applications such as games of chance, random population, and actuarial science. The topics include the use of graphs such as histograms, stem and leaf plots, time plots, and scatter plot to display data, using numbers such as median, mean, and standard deviation to describe data, and evaluating data distribution. Students will examine relationships using correlations and least square regressions. Technology plays an important role in statistics and probability and will be regularly implemented to explore tests of significance, and to evaluate the validity of statistics contained within published reports. The course aims to give students an understanding of the most significant concepts of probability and statistics, and to enable students to be wiser users and more critical consumers of statistical data. Through this course, students have the opportunity to earn dual credits through Bergen Community College.

Business Math (Full Year/5 credits)Open to Grade: 12Prerequisite: None

In the Business Math course, students will build upon skills that were developed throughout all of Algebra 1, as well as Algebra 2, and serve as the building blocks of Business Mathematics which serves as a building block to personal finance. Students will analyze data by finding measures of central tendencies to create graphs and distributions. They will understand how to open a checking account and being able to read their bank statements for reconciliation and focus on personal insurance as a protection which will lead to their understanding of how this can be implemented into a potential future business. This course also teaches them how to open a credit card and factor in revolving debts, which includes simple interest, as well as stocks and bonds. Lastly, students will understand what it takes to own a home with the various types of mortgage options. They will be able to understand the various taxes: payroll, income, sales and property. Students will use their understanding of taxes and apply it to simple, as well as compound interest, and maturity values with interpreting annuities. They will be able to use what they have learned with simple and compound interest and apply it to whole business incomes/expenses. Students will understand what markups and markdowns are with their implications of costs/income. Students will understand overhead costs from all aspects of business, which includes depreciation of equipment.

Accounting (Full Year/5 credits)Open to Grade: 12Prerequisite: None

In the Accounting course, students will review and extend Algebra 2 and Statistical concepts learned in Algebra 1, Algebra 2, and Geometry classes. Accounting includes a review of such topics as accounting systems, financial statements, net worth statements, assets, liabilities, expenses, GAAP, transactions, account balance, expenses, revenues, inventory, purchase order, debit, credit, account receivables, accounts payable, chart of accounts, dividends, and board of directors.

SAT Prep (Half Year/2.5 credits)Open to Grade: 10, 11Corequisite: SAT Prep ELA Component

In the SAT Prep Course, students will develop testing skills needed to be successful on the SAT. Our SAT course provides thorough preparation for the mathematical portion of the SAT exam. It covers content reviews to promote content mastery and teaches students the most dynamic and updated strategy and methods available.

Math Skills 9 (Full Year/5 credits)Open to Grade: 9Corequisite: Algebra I

In the Math Skills 9 course, students will work to build a more solid mathematical foundation for later success. The course will begin with reinforcing basic math facts and operations that are critical to understanding advanced mathematics. Students must be able to solve practical problems, representing and analyzing the situation using symbols, graphs, tables, or diagrams. Throughout this course, New Jersey Student Learning Standards are taught and reinforced as the student learns how to apply the concepts in real-life situations. These are skills vital to obtaining proficiency on the New Jersey Student Learning Assessment.

Math Skills 11 (Full Year/5 credits)Open to Grade: 11Corequisite: Algebra II

In the Math Skills 11 course, students will work to prepare for the New Jersey Graduation Proficiency Assessment. The course will focus on reviewing key Algebra 1 and Geometry skills necessary for obtaining proficiency on the NJGPA. The main purpose of the class will be to reinforce basic math facts, operations, and problem-solving techniques, while exposing students to real-world applications in accordance with the New Jersey Student Learning Standards.

Math Skills 12 (5 credits)

Open to Grade: 12

In the Math Skills 12 course, students will fulfill the mathematics assessment component of New Jersey high school graduation requirements. A student may exhibit mastery in Mathematics by completing alternative classroom work demonstrating the mathematical practices aligned to the high school mathematics content areas- Number and Quantity, Functions, Algebra, Statistics and Probability, and Geometry. This course encompasses knowledge and skills within the New Jersey Student Learning Standards for Mathematics. Through the Portfolio Appeal process, evidence is gathered of a student's ability to demonstrate the mathematical practices through reasoning and modeling within the high school content areas listed above.

Science

Course Sequence

Grade	College/Career Ready	Honors
9	Environmental Science	Honors Biology
10	Biology	Honors Chemistry
11	Chemistry*, Physical Science, Earth Science	Physics
12	Elective	Elective

Full Year Electives

Anatomy & Physiology+
AP Biology
Chemistry Theories Honors
Physics

Semester Electives

Bioethics
Forensics
Marine Biology
Research & Lab Techniques+
Environmental Biology+

*Students planning on attending college should take Chemistry in Grades 11 or 12

+Dual Enrollment Course

Environmental Science (Full year/5 credits)Open to Grade: 9Prerequisite: Grade 8 Science

In the Environmental Science course, students will learn about major ecological concepts and environmental problems, which all affect the world in which they live. Students will learn about technological developments that have created environmental problems and technology which helps solve them. This program also provides one way in which students can become more aware of the interaction between people and their environment. It relates important environmental issues to the lives of the students and their families. It promotes awareness and understanding of practical everyday problems that affect their lives as they become citizens of the world. Major topics include general science skills, the earth, energy resources, land, and water resources, and limiting human impact. Laboratory investigations are utilized to allow students to investigate course concepts further.

Biology (Full year/5 credits)Open to Grade: 10Prerequisite: Environmental Science

In the Biology course, students will learn the concepts necessary for the understanding of biological principles aligned with the New Jersey Student Learning Standards. This course serves as an introduction to molecular and cellular biology, stressing a relationship between chemical and biotic activities. Major environmental influences and their effects on ecological balance as well as individual and species survival are considered in terms of contemporary information. The presentation of genetics includes current trends in gene manipulations and genetic mutations. Other topics included in this class are diversity, systematics, and evolution. Laboratory experiments are correlated to the subject matter.

Biology Honors (Full year/5 credits)Open to Grade: 9 & 10Prerequisite: Environmental Science or teacher recommendation from Grade 8 Science

In the Biology Honors course, students will learn the concepts necessary for the understanding of biological principles aligned with the New Jersey Student Learning Standards. This course serves as an introduction to molecular and cellular biology, stressing a relationship between chemical and biotic activities. Major environmental influences and their effects on ecological balance as well as individual and species survival are considered in terms of contemporary information. The presentation of genetics includes current trends in gene manipulations and genetic mutations. Other topics included in this class include taxonomy, diversity, systematics, and evolution. Laboratory experiments are correlated to the subject matter. The Biology Honors course will follow the same curriculum as the other Biology classes, but pacing, coursework, and laboratory experiments will be adapted to make the course more rigorous.

Chemistry (Full year/5 credits)Open to Grade: 11Prerequisite: Biology

In the Chemistry course, students will learn about matter and its changes. Both traditional methods of instruction and inquiry-based learning will be used to investigate key concepts of the course. This course is designed to provide students with all the necessary principles and lab activities consistent with college requirements. The study of chemistry includes atoms, elements, chemical bonding, and the behavior of matter. Further information is provided on the nature of elements and chemical reactions as related to the study of the Periodic Table. States of matter, including physical, chemical, and nuclear changes are also addressed. Laboratory experiences are designed to allow the student to observe the application of chemistry principles in real life.

Chemistry Honors (Full year/5 credits)Open to Grade: 10, 11Prerequisite: Biology

In the Chemistry Honors course, students will follow the basic Chemistry curriculum with the addition of several units. Lessons will be differentiated for the Honors class to adjust to the increased pace and higher-level activities. Both traditional methods of instruction and inquiry-based learning will be used to investigate key concepts of the course. This course is designed to provide students with all the necessary principles and lab activities consistent with college requirements. The study of chemistry includes atoms, elements, chemical bonding, and the behavior of matter. Further information is provided on the nature of elements and chemical reactions as related to the study of the Periodic Table. States of matter, including physical, chemical, and nuclear changes are also addressed. Laboratory experiences are designed to allow the student to observe the application of chemistry principles in real life.

Physics (Full year elective/5 credits)Open to Grade: 11, 12Prerequisite: Biology and Chemistry

In the Physics course, students will develop an understanding of the physical world. Studies in the class will focus on conceptual understanding and quantitative applications covering mechanics, properties of matter, waves, electricity, and magnetism which relate students' everyday experiences to the real world. Much emphasis is placed on laboratory activities, observations, and reporting. A working knowledge of mathematics is needed as a clear relationship between mathematics and physics is stressed. Laboratory activities are included and built upon concepts covered in this course.

Physical Science (Full year elective/5 credits)Open to Grade: 11, 12Prerequisite: Biology and Chemistry

In the Physical Science course, students will continue to build on concepts based in chemistry and physics. There is a focus on the structure and bonding of atoms and molecules, the use of information provided by the Periodic Table, the phases of matter, chemical reactions, energy, mechanics, electricity, and magnetism. A variety of activity-based investigations are included in this course to further expand the student's grasp of the concepts.

Earth Science (Full year Elective/5 credits)Open to Grade: 11, 12Prerequisite: Biology

In the Earth Science course, emphasis is placed on the interrelationship of Astronomy, Geology, Meteorology, and Oceanography by focusing on cycles, interactions, and common themes. Current science, environmental, and technological issues have been included to prepare students to be responsible citizens of the 21st century. Activity-based investigations are utilized to allow students to further investigate course concepts.

AP Biology (Full year elective/10 credits)Open to Grade: 11, 12Prerequisite: Biology and Chemistry

In the AP Biology course, students will learn about conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of Biology. The AP course is designed to be taken after students have successfully completed the first year of Biology and Chemistry, and it is the equivalent of a two-semester college introductory Biology course usually taken by Biology majors during their first year.

Chemistry Theories Honors (Full year elective/5 credits)Open to Grade: 11, 12Prerequisite: Chemistry and teacher recommendation

In the Chemistry Theories Honors course, students will develop an in-depth understanding of fundamental chemical concepts and build strong computational skills. Presenting basic themes and mathematical formulation of principles encourages students to reason through chemical problems, formulate opinions, and express their ideas. This course is equivalent to a first-year college general chemistry class as it provides four major areas: structure of matter, states of matter, reaction, and descriptive chemistry. The students will demonstrate a basic understanding of the ability to apply mathematical solutions to problems involving atomic theory and structures, chemical bonding, nuclear chemistry, kinetic theory, solutions, reaction types, stoichiometry, equilibrium, kinetics, thermodynamics, and descriptive chemistry.

Anatomy and Physiology (Full year elective/5 credits)

Open to Grade: 11, 12

Prerequisite: Biology and Chemistry

**Bergen Community College Dual Enrollment Eligible Course*

BIO 109 – Anatomy & Physiology (4 credits)

In the Anatomy and Physiology course, students will learn about the detailed body systems. This is a Dual Enrollment Course through Bergen Community College, and to earn college credit for this course through BCC (Bergen Community College), students must maintain a C average. This rigorous college-level elective science course includes a detailed study of many human body systems. Homeostatic balance, the relationship between structure and function, and the interrelationships between body systems are focused throughout the course. This course is recommended for students interested in a health-related career, especially those who plan to study medicine, nursing, physical therapy, and athletic training. The course may also be helpful for those students who plan to enter education as either a life-science or physical education teacher. Laboratory activities will include several microscopic analyses of tissue specimens and several dissections to accompany the subject matter.

Marine Biology (Half year elective/2.5 credits)

Open to Grade: 11, 12

Prerequisite: Biology and Chemistry

In the Marine Biology course, students will learn about marine life and oceanography. Major concepts that will be covered over the course of study are the interrelationship of marine and terrestrial environments, the geology of the oceans, marine organisms, and the ecology of coral reefs. Laboratory activities including examining marine specimens will be used throughout this course to build on student knowledge.

Forensics (Half year elective/2.5 credits)

Open to Grade: 11, 12

Prerequisite: Biology and Chemistry

In the Forensics course, students will apply scientific principles while immersing themselves in the practical application of these concepts within the Criminal Justice system. This course integrates Biology, Chemistry, Physics, Entomology, Earth Science, Anatomy and Physiology, and other scientific facets, providing a comprehensive exploration of forensic science. Major emphasis will be placed on the intersection of scientific knowledge with criminal and civil laws enforced by police agencies. Students will delve into crime scene processing, evidence collection and preservation, and identifying evidence. From organic and inorganic analysis to topics such as hair, fibers, paint, toxicology, arson and explosion investigations, serology, DNA, fingerprints, firearms, and document analysis, this course covers a spectrum of forensic disciplines. The unique focus of this course lies in its dedication to highlighting the evidential value of crime scenes and associated evidence, coupled with the pivotal role of crime laboratories. Students will engage in real-world laboratory experiments that enhance their

understanding of forensic science, bridging the gap between theory and practical application. The flexibility of experiment modification accommodates varying class sizes and external circumstances, ensuring a tailored and impactful learning experience with direct relevance to future careers in forensic science.

Bioethics (Half year elective/2.5 credits)

Open to Grade: 11,12

Prerequisite: Biology

In the Bioethics course, a general education elective science course, an introduction to the concept of ethics and bioethics is presented. Bioethical principles will be explored through case studies relating to genetic testing, human gene therapy, genetic counseling, cloning, animal use in research, organ donation, vaccines, and other relevant current topics. Emphasis will be placed on expressing opinions verbally and in writing. Group activities will include analyzing and debating case studies examining various biological and medical issues.

Research and Lab Techniques (Half year elective/2.5 credits)

Open to Grade: 11, 12

Prerequisite: Biology and Chemistry

**Bergen Community College Dual Enrollment Eligible Course*

BIO 101 – General Biology (4 credits)

In the Research and Lab Techniques course, students will have the chance to earn dual enrollment credits through Bergen Community College if they maintain a C average. This elective science course will introduce the fundamental principles of biology and their relationships to society. Lecture topics include an introduction to science, basic chemistry, cell biology, metabolism, genetics, evolution, and an introduction to classification.

Environmental Biology (Half Year/2.5 Credits)

Open to Grade: 11, 12

Prerequisite: Biology and Chemistry

**Bergen Community College Dual Enrollment Eligible Course*

BIO 108 – Intro to Environmental Biology (4 credits)

In the Environmental Biology course, students will have the chance to earn dual enrollment credits through Bergen Community College if they maintain a C average. This elective science course is an introductory course that examines how humans interact and alter the environment. Topics covered include evolution, biodiversity, ecology, population studies, details of energy production and consumption, types, and sourcing of pollutants in air and water. Solutions to various issues will also be analyzed and discussed.

Social Studies

Course Sequence

Grade	College/Career Ready		Honors
9	World History	World History	Honors World History
10	US History I	American Studies / US History I	Honors US History I
11	US History II	American Studies / US History II	AP US History II
12	Elective		

Full Year Electives

Civics & Government+
Holocaust/Genocide Studies+
Tomorrow's Teachers+
US History III+

Semester Electives

Social & Consumer Science
Criminal Justice
Economics
Latin American Studies
Sociology

+Dual Enrollment Course

World History (Full Year/5 credits)

Open to Grade: 9

Prerequisite: World History grade 8

In the World History course, students will continue their exploration with an in-depth study of global interactions among Asia, Africa, Europe, and the Americas. The course begins with a study of the Modern Era, including the Renaissance, Enlightenment, the Age of Revolutions in Europe and the Americas. The course will commence with a study of the Age of Imperialism, World Wars I and II, and the contemporary world. Students will analyze historical documents and examine the development of individual and human rights across places and throughout time. Throughout, students will consider the impact of the individual on social and political movements and change, analyze current global issues to further develop historical thinking. Furthermore, students will evaluate the roles that various political, economic, social and religious systems, as well as technological and artistic developments, play in shaping the course of the world's history. The course will emphasize the development of critical thinking, writing, interpretation and analysis skills, global citizenship and synthesis of arguments and solutions for modern day issues.

World History Honors (Full Year/5 credits)

Open to Grade: 9

Prerequisite: World History grade 8 and teacher recommendation

In the World History Honors course students are provided with an accelerated study of history combined with increased emphasis on current global issues. The advanced curriculum includes additional topics of study and emphasizes critical thinking and historical analysis. The course incorporates extensive reading, writing and research activities to further develop students' academic skills, and historical and political awareness within the context of both the past and the present. The course emphasizes active discussion on critical topics in history, including competing political ideologies, race and culture as pertaining to historical and current issues, social movements and modern-day conflicts.

U.S. History I (Full Year/5 credits)

Open to Grade: 10

Prerequisite: World History

In the U.S. History I course, students will analyze the origins of the American nation in the Founding Era through Reconstruction. Students will be prepared to respond to the fundamental questions concerning the history of the United States from the proper role of government in a representative democracy to the role of major events in shaping the character of the American experience. Students will determine how decisions made by government leaders, economics and technology, and geography impacted the events of these time periods. Emphasis will be placed on interpreting primary and secondary source documents, the perspectives of the authors, and the reasoning behind the specific reading. Learning how to weigh historical evidence while grappling with differing interpretations prepares students for the complexities they will face in college and career. Finally, students will be expected to determine how the events that shaped the formation of the United States impact their lives today.

American Studies I/US History I (Full Year/5 credits)

Open to Grade: 10

Prerequisite: World History; Recommendation from both English I and World History teachers.

Corequisite: American Studies I/English II

In the American Studies I course, students will be given an interdisciplinary approach to American History and Literature as its vehicle to historical and literacy awareness. Activities will heavily rely on student writing and historical interpretation skills. Emphasis will be placed on the ability of the student to reflect on and analyze historical documents. Knowledge of literary techniques including theme, characterization, conflict, and plot will be taught in order to further the students' appreciation of the historical relevance of literary works. Assignments will reflect the role of literature regarding values and lessons relevant to important events in American history. In all cases, communication skills that allow for clear, analytical thinking and historical interpretation through both the written and spoken word will be highlighted as a primary goal of American Studies.

U.S. History I Honors (Full Year/5 credits)

Open to Grade: 10

Prerequisite: World History

In the US History I Honors course, students will critically examine United States history from the Pre-Columbian Era (~1491) to the Industrial Revolution (late 1800s-early 1900s). This course will analyze primary and secondary source documents and other historical instructional resources. Students will be exposed to many different perspectives and viewpoints to garner a broader view of United States History before the 1900s. Students will utilize multifaceted reading, writing, and thinking strategies throughout this course, culminating in using historical argumentation and contextualization to write Document Based Essays. US History I Honors serves as a preparation course for the Advanced Placement (AP) United States History course by focusing on specific historical thinking skills and themes that will be at the forefront of the APUSH course.

U.S. History II (Full Year/5 credits)

Open to Grade: 11

Prerequisite: U.S. History I

In the U.S. History II course, students will focus on the turn of the 19th century through the present day. Students will grapple with the fundamental questions concerning the history of the United States, from the proper role of government in the representative democracy to the role of major events in shaping the character of the American experience. Students will determine how government leaders, economics, technology, and geography influence the events of these time periods. Throughout the course, students will examine the intersection of economic, political, and ideological concerns at different points in America's history. Emphasis will be placed on interpreting primary and secondary source documents and analyzing the perspectives of the authors. Learning how to weigh historical evidence while grappling with differing interpretations prepares students for the complexities they will face in college and career.

American Studies II/US History II (Full year/5 credits)

Open to Grade: 11

Prerequisite: American Studies I

Corequisite: American Studies II/English III

In the American Studies II course, students will participate in the second part of the American studies curriculum. The basis of this course is a furtherance of the interdisciplinary approach to American History and Literature as its vehicle to historical and literary awareness. Parallel language arts and social studies units from the historic political literature of the Reconstruction Era through the critical influential themes of twentieth century will be featured and treated in an analytical and critical manner. Students will be expected to improve their prior knowledge of literary techniques and analysis of historical events within the context of literature. Students will make connections and draw conclusions as they progress through the historical events studied. Much emphasis will be placed on the students' ability to develop arguments and support those arguments with factual details. In addition, students will connect the events of America's past to contemporary issues today. In all cases, communication skills that allow for clear, analytical thinking and historical interpretation through both the written and spoken word will be highlighted as a primary goal for American Studies II.

AP U.S. History II (Full Year/5 credits)

Open to Grade: 11

Prerequisite: US History I Honors

In the AP US History II course, students will take a critical look at United States history from the Progressive Reform Era (early 1900s) up to the modern day. This course will rely heavily on the use of both primary and secondary source documents and other historical instructional resources to understand the context of the historical periods covered. Students will utilize critical reading, writing, and thinking strategies aligned with the AP Historical Thinking Skills to express historical argumentation and contextualization through long and short written responses, multiple choice questions and Document Based Essays. Students will have the option of taking the APUSH Exam in the Spring for the opportunity to earn credits towards their college education.

U.S. History III (Full Year/5 credits)

Open to Grade: 12

Prerequisite: Teacher recommendation

**Bergen Community College Dual Enrollment Eligible Course (3 credits)*

HIS 114–History of the 20th Century since WWII

In the U.S. History III Course, students will have the option to earn college credit through Bergen Community College course. This course is a study of the United States from the Second World War to the present. Topics covered include World War II diplomacy, the Cold War both domestic and foreign policy, Economic prosperity, Containment, and Vietnam era, Detents, Domestic Reforms including Civil Rights, Great Society, 1960's counterculture movement, Watergate, and other political, social, economic, and cultural developments in the United States from the 1940's to the present.

Criminal Justice (Half Year Elective/2.5 credits)Open to Grade: 10, 11, 12Prerequisite: None

In the Criminal Justice course, students will focus on the study of legal issues which affect our everyday lives. The topics cover various aspects of the legal spectrum including legal procedure and evidence drawn from cases throughout history. Special attention is given to criminal, civil, and juvenile law. Students will first be exposed to the proper procedures of the court process, which will include criminal procedures, appeals procedures, and the role of the Supreme Court in shaping jurisprudence. In addition, students will examine court cases throughout US history to analyze the impact of precedence in current cases. Finally, the topic of contract law will be examined as it relates to issues such as marriage and family issues. At the completion of the course, the student will possess a board understanding of the American legal system and how everyday citizens participate in it.

Careers in Criminal Justice (Half Year Elective/2.5 credits)Open to Grade: 10, 11, 12Prerequisite: None

In the Careers in Criminal Justice course, we will examine the picture of crime in America, society's response to crime, and the social science of criminal justice. Our primary focus will be criminal justice in the United States, and how we balance the rights of individuals with the need to maintain public order. We will consider the development of the criminal justice system while framing crime in the context of our culture. Students will evaluate our current system and process ways to shape the system to meet the needs of our society. Through class discussions, research, readings, and various statistical analyses, we will explore some of the key traditional elements of the criminal justice system, including the courts, police, and corrections. We will attempt to answer tough questions, such as; Why is criminal justice carried out in the current manner? Are there better ways for Americans to prevent or respond to crime? What is the role of law enforcement? These and other essential questions are at the forefront in understanding what it takes to have a career in criminal justice in 21st Century America.

Economics (Half Year Elective/2.5 credits)Open to Grade: 10, 11, 12Prerequisite: None

In the Economics course, students will be introduced to the world of business, finance, global markets, and banking. The curriculum begins with a description of different economic theories and real-world examples of how the system of economics affects people's everyday lives. Next students will examine the difference between microeconomics and macroeconomics through real world situations and scenarios. Throughout each of these broad topics concepts such as investing, money management, supply and demand, business operation, the history and overview of money, and global economics will be analyzed. Students will continually be expected to relate these concepts to the effects that economics decisions and issues have on the everyday lives of people.

Sociology (Half Year Elective/2.5 credits)Open to Grade: 10, 11, 12Prerequisite: None

In the Sociology course, students will learn about a curriculum that focuses on the study of society. The course encompasses a variety of topics. One of the main focuses will be culture and social structure. In addition, students will examine the individual in society. Conflicts such as social inequality, gender difference, aging and health will be examined. The course will also examine how perceptions of mental disabilities have changed over time. This course will address the ever-changing norms of culture and society. At the end of this course students will be able to identify their place in society.

Holocaust/Genocide Studies (Full Year Elective/5 credits)Open to Grade: 11, 12Prerequisite: None**Bergen Community College Dual Enrollment Eligible Course (3 credits)**HIS 146–Genocide and Holocaust*

In the Holocaust/Genocide Studies course, students will examine and analyze genocides of the 20th century and today to gain an understanding its causes and effects. The goal will be for the students to trace the various stages of genocide and to comprehend the link between acts of hatred and prejudice and mass murder. Students will understand the history of genocide through literature and other media. This course will encourage tolerance, acceptance, and appreciation for cultural differences and the important contributions they have to offer to humanity.

Psychology (Half Year Elective/2.5 Credits)Open to Grade:10, 11, 12Prerequisite: None

In the Psychology course, students will be introduced to core concepts and content areas in the field of psychology including the use of the scientific method in research, mind/body debate, the physiological bases for behavior and mental processes in humans primarily and other animals. The course introduces students to the methods of inquiry and evaluation used by psychologists and provides students with information about issues that individuals encounter in themselves and in their relationships with friends, family, acquaintances, employers, etc. Studying psychology should lead students to an appreciation of and understanding individual differences. Students should acquire insight into the complex determinants underlying individual and group behavior. Students will also be able to synthesize the connection of psychology with other sciences and disciplines and the use of psychology in many careers.

Tomorrow's Teachers (Full Year/5 credits)

Open to Grade: 10, 11, 12

Prerequisite: Teacher recommendation, Application

***Fairleigh Dickson University Dual Enrollment Eligible Course*

EDUC 1108: Seminar Prof. Practices I (3 credits)

EDUC 2401: Field Experience I (1 credit; internship experience)

Note: EDUC 1108 and EDUC 2401 are taken concurrently, with Field Experience during January-April

The Tomorrow's Teachers Program is an innovative approach designed to attract talented young people to the teaching profession. The Program is comprised of two dual enrollment courses, taught concurrently, and provides high school students insight into careers in education via 1) pedagogical theory instruction (EDUC 1108), and 2) experiential learning (EDUC 2401) where students complete an internship, working alongside teacher mentors in K-12 classroom across the district.

EDUC 1108: Seminar in Professional Practice (3cr) is a survey course designed to address professional and personal development, professional practice and academic growth. Areas of concentration include philosophical, theoretical, and historical foundations of education; human relations within the school and the community; education in American society; organizational process and behavior within the context of the school and community; social justice, equity, and bias in education. Course includes discussion of past and current issues and legislation as related to educational practice, with emphasis on New Jersey's urban districts.

EDUC 2401: Field Experience I (1cr) On-site internship experiences (30 hours min.) in Pre-K through Grade 12 public schools, focusing on practical application of educational theory. Interns engage with school communities, gain experience working with students and industry professionals, and explore careers in education. Interns design and implement lessons, assist students and mentor teachers, and build professional skills applicable in various careers. *Co-requisite: EDUC 1108.*

Civics and Government (Full year/5 credits)Open to Grade: 10, 11, 12Prerequisite: None

**Bergen Community College Dual Enrollment Eligible Course (POL 101: American Government; 3 credits)*

*** Fairleigh University Dual Enrollment Eligible Course (GOVT 1101: Political Science I; 3 credits)*

In the Civics & Government course, students will learn about civic and political institutions, including concepts of law, politics, and government that are essential to understanding the important institutions of society and the principles these institutions are intended to reflect. Students will understand the democratic principles, such as equality, freedom, liberty, and respect for individual rights, and how they apply to both official institutions and informal interactions among citizens is a fundamental concept of being a citizen in a democratic republic.

The Civics & Government course incorporates analysis of contemporary issues with a historical study of the American constitutional system, including: historical and philosophical foundations of American political system; constitutional governments and federalism; powers and responsibilities of the executive, legislative, and judicial branches at federal and state levels; the election process, campaigns and voting rights; the role of media, public opinion, and interest groups; foreign relations and the role of America in the world. The course utilizes a civic-centric approach to explore topics in American government, law and the legal system, civic education and global citizenship. To foster students' civic responsibility and encourage their participation in American democracy, instructional methods incorporate discussion and authentic political engagement, via participation in local government meetings, and inquiry-based projects, where students develop solutions to local and national problems.

Social & Consumer Science (Half year/2.5 credits)Open to Grade: 10, 11, 12Prerequisite: None

In the Social & Consumer Sciences course, students will be introduced to contemporary issues that will require critical thinking, reasoning, analysis, interpretation, and synthesizing information that will develop strong work habits. Mapped to NJSL Social Studies and 21st Century learning standards, the course takes a wide lens on the consumer economy and the implications it has on social factors. Students will learn a broad set of knowledge and skills. This course aims to inspire students by using various methods to enhance student learning. This course will be designed to be a student driven project-based learning model that will call on students to display a variety of skills including but not limited to various experiments, projects, and labs associated with; building, upgrading, and repurposing computer and electronic equipment, clean and renewable energy, modular components, artificial intelligence, consumer product safety and effectiveness, comparison shopping, and advertising.

Latin American Studies (Half year/2.5 credits)Open to Grade: 10, 11, 12Prerequisite: None

In the Social & Consumer Sciences course, students will be introduced to contemporary issues that will require critical thinking, reasoning, analysis, interpretation, and synthesizing information that will develop strong work habits. Mapped to NJSL Social Studies and 21st Century learning standards, the course takes a wide lens on the consumer economy and the implications it has on social factors. Students will learn a broad set of knowledge and skills. This course aims to inspire students by using various methods to enhance student learning. This course will be designed to be a student driven project-based learning model that will call on students to display a variety of skills including but not limited to various experiments, projects, and labs associated with; building, upgrading, and repurposing computer and electronic equipment, clean and renewable energy, modular components, artificial intelligence, consumer product safety and effectiveness, comparison shopping, and advertising.

Health & Physical Education

Grade	Health	Physical Education
9	Health Grade 9	Physical Education
10	Health Grade 10	Physical Education
11	Health Grade 11	Physical Education
12	Health Grade 12	Physical Education

Health Grade 9 (One semester/1.25 credits)Open to Grade: 9Prerequisite: None

In the Health Grade 9 course, students will learn about a variety of topics and problems that they will be able to recognize in the real world or in their own lives. Students will be able to identify, categorize, and learn preventative measures. These include Physical and Mental Health, Anxiety and Depression, Managing Stress, Teen Dating Violence, Violence and Abuse, and Suicide Prevention.

Health Grade 10 (One semester/1.25 credits)Open to Grade: 10Prerequisite: None

In the Health Grade 10 course, students will learn about the theory part of Driver Education in sophomore year health. The course content is designed to educate the students in the proper attitudes, habits, knowledge, and skills required of drivers to ensure safe driving techniques. Laws and penalties for intoxication and substance abuse while driving is explicitly reviewed to enable all students to gain a clear understanding of their existence and the implications for violations of these laws. The New Jersey driving exam is offered at the end of the course.

Health Grade 11 (One semester/1.25 credits)Open to Grade: 11Prerequisite: None

In the Health Grade 11 course, students will learn about a variety of topics that they will be able to apply to an understanding of themselves and the world around them. The following subject matter will be addressed: Nutrition and Dietary Needs, the Digestive Process, and Lifelong Exercise.

Health Grade 12 (One semester/1.25 credits)Open to Grade: 12Prerequisite: None

In the Health Grade 12 course, students will learn about a variety of topics and issues. Some topics that will be addressed are Anxiety and Depression, Managing Stress, First Aid and CPR, Violence and Abuse, Smoking, Drugs and Alcohol, and Suicide Prevention.

Physical Education (Three semesters/3.75 credits)Open to Grade: 9, 10, 11, 12Prerequisite: None

In Physical Education, students will experience a coeducational program that emphasizes both team sports and individual activities. An emphasis is placed on personal wellness activities, which includes aerobic conditioning, upper body strength, and abdominal strength/endurance. Students with special needs may engage in course offerings modified according to their abilities. To promote a climate of inclusion, games, activities, equipment, and rules may be adapted to accommodate everybody in the group or class. This course is required in all four years of high school.

World Language

Course Sequence

Grade	Italian	Spanish	Honors
9	Italian I	Spanish I	Honors Spanish I
10	Italian II	Spanish II	Honors Spanish II
11	Italian III+	Spanish III	Honors Spanish III
12	Italian IV+	Spanish IV	AP Spanish IV

+ Dual Enrollment Course

Spanish I (Full year/5 credits)Open to Grade: 9, 10Prerequisite: None

In the Spanish I course, students will learn the four language skills: listening, reading, writing, and speaking. Students will engage in meaningful activities in order to comprehend and respond appropriately to oral and written messages. Vocabulary, grammatical structures, and cultures emphasize the main objective: to communicate meaningfully with others in Spanish.

Spanish II (Full year/5 credits)Open to Grade: 10, 11, 12Prerequisite: Spanish I; Teacher Recommendation

In the Spanish II course, students will strive for fluency in oral expression through the study of more advanced grammar structures and vocabulary acquisition. The culture and history of the Spanish - speaking world continues to be an integral part of the course. Spanish II Advanced reflects the same goals, objective and proficiencies as Spanish II. It differs from Spanish II in that the students are expected to perform at a quicker pace and to cover a greater range of structure and vocabulary.

Spanish II Honors (Full year/5 credits)Open to Grade: 10, 11, 12Prerequisite: 90 or better in Spanish I; Teacher Recommendation

In the Spanish II Honors course, students will be in an accelerated and enriched class in comparison to the regular Spanish II course. The purpose of the course is to strive for fluency in oral expression through the study of more advanced grammar structures and vocabulary acquisition. The culture and history of the Spanish - speaking world continues to be an integral part of the course. Spanish II Advanced reflects the same goals, objective and proficiencies as Spanish II. It differs from Spanish II in that the students are expected to perform at a quicker pace and to cover a greater range of structure and vocabulary.

Spanish III (Full year/5 credits)Open to Grade: 11, 12Prerequisite: Spanish II

In the Spanish III course, students will develop a more in depth understanding and appreciation of the language. The curriculum is designed for students with a genuine desire to be immersed in the language. The course deals with attention to the fine points of grammar in Spanish with a strong emphasis on the development of oral and written expression. Students will also gain knowledge in advanced conversation and composition, improvement of language skills and an understanding of grammar with a special emphasis on the development of writing skills. In addition, students will read advanced selections in Spanish and will be expected to react to them both orally and in writing.

Spanish III Honors (Full Year/5 credits)Open to Grade: 11, 12Prerequisite: Spanish II Honors; Teacher recommendation

In the Spanish III Honors course, students with a genuine appreciation for the language will be immersed in a more complex curriculum. The course focuses on the fine points of grammar in Spanish with a strong emphasis on developing oral and written expression. Students will also gain knowledge in advanced conversation and composition, improvement of language skills, and an understanding of grammar with a particular emphasis on eloping writing skills. In addition, students will read advanced selections in Spanish and be expected to react to them orally and in writing. The course deals with literature concentration from the early 20th century to the present. This course prepares students for AP Spanish IV.

Spanish IV (Full year/5 credits)Open to Grade: 12Prerequisite: Spanish III

In the Spanish IV course, students will be immersed in a more complex curriculum that includes understanding the language and learning about the cultures. The course deals increasingly with geographical, historical, and cultural components of the Spanish world. Basic grammar is reviewed, and more advanced structures are presented. Reading, writing, listening, and speaking skills are refined during the course.

AP Spanish IV (Full Year/5 credits)Open to Grade: 11, 12Prerequisite: Spanish III; Teacher Recommendation

In the AP Spanish course, students will learn to communicate, both understanding and being understood by others by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

Italian I (Full year /5 credits)Open to Grade: 9, 10Prerequisite: None

In the Italian I course, students will learn pronunciation, basic comprehension, and communication of Italian. Students will explore four language skills- listening, reading, writing, and speaking. They will engage in meaningful activities relating to vocabulary, grammatical structures, and culture.

Italian II (Full year/5 credits)Open to Grade: 10,11Prerequisite: Italian I

In the Italian II course, students will develop further skills in grammar, vocabulary, composition, and reading so that they may communicate in a clear and effective style. The class will provide a comprehensive developmental program to achieve competence in listening, reading, speaking, and writing the Italian language.

Italian III (Full year/5 credits)Open to Grade: 11,12Prerequisite: Italian II**Bergen Community College Dual Enrollment Eligible Course**LAN 112 – Italian I (3 credits)*

In the Italian III course, students will continue to develop the four skills introduced in Italian I and Italian II. Students will become more comfortable expressing themselves in all methods of communication. Real life communication is the goal, and the class will be taught primarily in Italian.

Italian IV (Full year/5 credits)Open to Grade: 12Prerequisite: Italian III**Bergen Community College Dual Enrollment Eligible Course**LAN 220 – Italian II (3 credits)*

In the Italian IV course, students will refine their understanding of the culture and language through the practices of reading, writing, speaking, and listening. Communication in real life situations is the goal. Reading continues with a variety of authentic Italian selections. The class will be conducted primarily in Italian.

Fine and Performing Arts

Course Sequence

Course Sequence					
Foundations of Art	Digital Photography & Computer Art I	Chorus	Concert Band	Dance	Musical Theater
Introductory Drawing / Drawing Foundations+	Digital Photography & Computer Art II	Select Chorus			
Basic Painting					
Art II					
Art III					

+Dual Enrollment

Foundations of Art (Half year/2.5 credits)

Open to Grade: 9, 10, 11, 12

Prerequisite: None

In the Foundations of Art course, students will concentrate on various elements of art and the many different forms art can take, while developing an appreciation for artworks and the masters who created them. Students are required to do exercises, drawings, collages, and paintings while simultaneously being exposed to several types of media such as, paint, pencil, charcoal, pastel, and pen and ink and how they relate to the elements of art and the principles of design. Throughout the semester, the many careers and countless job opportunities that art can offer are presented and discussed.

Introductory Drawing

Open to Grade: 9, 10, 11, 12

Prerequisite: Foundations of Art and Teacher Recommendation

In the Introductory Drawing class, students will be introduced to or enhance their drawing skills. This course will demonstrate various drawing techniques including perspective and portraiture. The course's activities will teach basic concepts: design elements and principles, composition, media, and perception. Students will also gain a background in art history while studying numerous artists and styles.

Basic Painting (2 Half Year courses/2.5 credits each)

Open to Grade: 9, 10, 11, 12

Prerequisite: Foundations of Art and Teacher Recommendation

In the Basic Painting course, students will become familiar with the proper use of tempera, watercolor and acrylic paints while working in the different painting styles such as Impressionism. In addition to the use of paint, students will also be required to create artworks that include printmaking. An intense concentration on color theory is applied to the required assignments of this course of study. The course's activities will teach basic concepts: design elements and principles, composition, media, and perception. Students will also gain a background in art history while studying numerous artists and styles.

Drawing Fundamentals

Open to Grade: 9, 10, 11, 12

Prerequisite: Foundations of Art and Teacher Recommendation

**Bergen Community College Dual Enrollment Eligible Course*

ART 124 – Drawing Fundamentals(3 credits)

In the Drawing Fundamentals course, students will learn the basics of the field. Students will develop technical facility and personal expression in drawing from observation. Drawing is the act of graphically recording what we see and feel. Class sessions include working in pencil, charcoal, ink, and/or other media. Emphasis is placed upon line, form, value, special relationships, composition, and personal statement. Studio sessions include drawing, discussions, lectures, and critiques.

An emphasis will be placed on seeing and drawing value, using grey scale from white to black, seeing and drawing color relative to temperature and value. Students will learn to see, understand, and draw structure, design organizational skills, and understand elements of art and principles of design. Students will also develop unique, personal style, and ideas, sometimes drawing what they see; sometimes drawing what they don't see. There will also be experimentation with different media and discussion of proper artistic language usage.

Course content will include, but not be limited to: contour drawing, gesture drawing, weight/mass/volume, structure, value, light and shadow, texture, composition (figure/ground relationships, ambiguous space, the picture plane) Subject areas will include in-class drawing sessions, focus on still life, interior, landscape, figurative, portrait, and self-portrait assignments.

Art II (Full year/5 credits)

Open to Grade: 10, 11, 12

Prerequisite: Art I

In the Art II course, students will continue to build upon the skills learned in Introductory Drawing and Basic Painting. Students are also introduced to and instructed in more complex and advanced media techniques. At this level, students work with varied 2D and 3D media such as acrylic paint, clay, paper mâché and collage. Students are asked to keep a sketchbook throughout the year. They will discuss poster design and enter various design contests during the course. There is a greater emphasis on creativity, skill development and a broader appreciation of the arts. Students will further study the many careers in art and the various job opportunities available in the art field.

Art III (Full year/5 credits)

Open to Grade: 11, 12

Prerequisite: Art II

In the Art III course, students will develop independent approaches in style, development, and artistic problem-solving skills. The emphasis will be placed on the refinement of previously learned techniques, skills, values, and theories. Students will do oil paintings, mixed media, mosaics, mask making and sculptures, as well as focus on advertising. Professionalism and sophistication are encouraged in project approach and development. Students will maintain a sketchbook throughout the course. There will be a concentration on developing a portfolio which should encompass the many artworks from their years in Garfield High School.

Digital Photography and Computer Art I (Half year/2.5 credits) Open to Grade: 9, 10, 11, 12

Prerequisite: None

In the Digital Photography and Computer Art I course, students will learn how to shoot pictures and utilize the software programs, Adobe Photoshop™ and the now popular general image manipulation program (GIMP™). Enhancement of the knowledge of composition, the elements of art, and principles of design is an integral part of the course. There will be exploration of careers in Media Art such as, portraiture, photojournalism, sports photography, newspaper photography, freelance photography, as well as, fine art photography, etc. Exploration of the entire career choices associated with the field of digital photography will occur. The creation of a digital portfolio is required. Students work cooperatively in a studio and field to produce visual art displayed within the school and shown on GTV. **Participation in some after-school projects is a required part of this course.**

Digital Photography and Computer Art II (Half year/2.5 credits) Open to Grade: 9, 10, 11, 12

Prerequisite: Digital Photography and Computer Art I

In the Digital Photography and Computer Art II course, students will have the opportunity to further enhance their knowledge of digital cameras and photographic equipment. In addition, students will learn one of the top professional software programs, Adobe Photoshop™ and the now popular general image manipulation program (GIMP™). They will complete projects creating real-life examples. Students will practice and improve skills in their career choice of Media Art such as, portraiture, photojournalism, sports photography, newspaper photography, freelance photography, as well as, fine art photography, etc. The attributes of proper conduct of a professional photographer will be taught and expected. Students will focus on a career in photography and complete a web portfolio that will prepare them for acceptance into an institute of advanced learning. Cooperative work in studio and field settings is a vital component of the course resulting in the production of visual art that is displayed in school and shown on GTV. **Participation in some after-school projects is a required part of this course.**

Chorus (Full year/5 credits)Open to Grade: 9, 10, 11, 12Prerequisite: None

In the Chorus course, students will grow as an ensemble and as individual singers. Students will learn and perform a wide range of music repertoire as they gain further knowledge and understanding of basic music skills. Students will attend and participate in after-school combined rehearsals, seasonal concerts with solo opportunities, and field trips with many performance and technique-improving opportunities. Students will be graded on attendance, participation, and overall effort. There are no Prerequisite for this course. All students with a passion for singing are invited and welcome to join the GHS Concert Choir.

Select Chorus (Full year/5 credits)Open to Grade: 10, 11, 12Prerequisite: Chorus and Teacher Recommendation

In the Advanced Chorus course, students will learn and perform a wide range of challenging music repertoire as they gain a more advanced knowledge and understanding of basic music skills. Students must audition and be accepted into the ensemble. One year of concert choir is recommended before enrolling in this course, but it is not required. Students will learn concert choir repertoire in addition to their own more advanced music repertoire. Attendance and participation in weekly after-school rehearsals, seasonal concerts, and field trips is expected. Students will be graded on attendance, participation, dedication, and overall effort.

History of Rock I (Half year/2.5 credits)Open to Grade: 9, 10, 11, 12Prerequisite: None

In the History of Rock I course; students will discover the history of rock 'n' roll in a very detailed manner. In the class, students will learn where rock music started, how it evolved, its highs and lows, its outlaws and visionaries, and how it changed social history by combating racism and challenging the establishment with alternate lifestyles and fashions. You will get a chance to explore many of the revolutionary artists who defined rock 'n' roll, as well as the unsung heroes in genres from rockabilly to psychedelia, punk, metal, and beyond. You will learn about the musical and business trends in rock, major technological innovations, the prime innovators, and the historical context that has seen rock alternately flourish and struggle over the past 60 years. In part one of a two-part course, everything from the "birth" of Rock and Roll up to the British Invasion of the mid-1960's, and artists from Elvis to the Beatles will be covered.

History of Rock II (Half year/2.5 credits)Open to Grade: 9, 10, 11, 12Prerequisite: None

In the History of Rock II course, students will continue to discover the history of rock 'n' roll. In Rock History, students will learn how it changed social history by combating racism and challenging the establishment with alternate lifestyles and fashions. Students will get a chance to explore many of the revolutionary artists who defined rock 'n' roll, as well as the unsung heroes in genres from rockabilly to psychedelia, punk, metal, and beyond. They will learn about the musical and business trends in rock, major technological innovations, the prime innovators, and the historical context that has seen rock alternately flourish and struggle over the past 60 years. In part two of a two-part course, students will pick up at mid-1960's and travel all the way to modern day. Students will discuss the 60's counterculture and psychedelic rock. In the 70's we will touch base with the Disco craze, birth of Hip-hop and Punk. The 80's will see Rock's continued fragmentation into several new genres.

Concert Band (Full year/5 credits)Open to Grade: 9, 10, 11, 12Prerequisite: One or more years of band at the Middle School level is required. Students looking to return to band after being away must be approved by the director.

In the Concert Band course, students will build on their musical foundation in all aspects of reading, understanding, and performing music. It builds upon the knowledge and technical skills acquired by the student up to the ninth grade and enables students to make informed critical and aesthetic judgments, build self-assessment skills, and understand the historical and cultural influences of music. Prior instrumental music experience or approval by the Band Director is required. Additionally, participation in marching band is highly encouraged.

This is a performance class, with required concerts, rehearsals, and travel possible outside of the scheduled class time. Students are responsible for supplying their own instrument or arranging with the director to use school equipment, if possible. Students are expected to practice an average of 30 minutes per day. Student practice will be assessed through regular playing tests and quizzes.

Contemporary Song Writers (Half year/2.5 credits)Open to Grade: 9, 10, 11, 12Prerequisite: None

In the Contemporary Song Writers course, students will dive into the minds of musical artists of the 21st century to gain a knowledge of the process of song writing. This course will cover the basics of instrumentation, song sampling, song structure, and beginner Band Lab application. Students will study various artists, some of their choosing, to obtain a greater understanding of the minds of musicians. This course will also take us on the journey a writer goes through, legally and creatively, when they sample music from other musicians. Students will dissect music and create their own compositions using all the knowledge they learned during this course.

Digital Music_(Half year/2.5 credits)Open to Grade: 9, 10, 11, 12Prerequisite: None

In the Digital Music course, students will develop more musical awareness through technology-based experiences. Students will develop musicianship in a 21st century environment by completing projects using critical response, reading and notation, improvisation, and composition and simple instrumental performance. This course will utilize one of the most inexpensive and intuitive software recording programs on the market today. Digital Music includes instruction on getting started with existing audio, working with MIDI, recording audio, podcasting, working with film, multitrack recording, mixing, mastering, and much more.

Dance (Half year/2.5 credits)Open to Grade: 9, 10, 11, 12Prerequisite: None

In the Dance course, students will be introduced to various aspects of dance. The course will include the following units of study: Choreography, History of Ballet, Ballet Dance, Dance and Current Events, Jazz Dance, and World Dance. All students will choreograph, perform, and critique solo and collaborative pieces. Students will learn the importance of dance in various cultures, its impact across history, and its integration with visual and performing arts. This is an introductory-level course for those with little or no experience.

Musical Theater (Half year/2.5 credits)Open to Grade: 9, 10, 11, 12Prerequisite: None

In the Musical Theater course, students will fully participate in the world of Musical Theatre. This course will explore musicals from all different eras and styles. Students will be required to sing, act and dance during this class. This course will offer solo and group work. Students will approach solo material by dissecting the storyline, using personal experiences and properly scoring the piece. Students will also be educated on being affective storytellers while completely engaging in the history and principles of musical theatre. Students will work together to learn the true importance of teamwork by creating a compelling ensemble. This course will also offer the basics of stagecraft, stage management, directing and technical aspects. Students will be required to put on a mock musical during class that covers every aspect of the course.

Practical Arts

Course Sequence

Full Year Courses				
Year in Sequence	Computer Aided Design	Construction	Engineering	Television Productions
1	Technical Drawing/CAD+	Intro to Construction	Tech Inventions and Innovations	Public Speaking in the Media
2	Engineering CAD+	Construction Technology		Computer Applications Final Cut Pro
3				Communication in Television and Social Media

Semester Courses
Robotics
Web Design
Computer Applications
First Aid
Cooperative Marketing Education

+Dual Enrollment

Cooperative Marketing Education (Half year/2.5 credits)

Open to Grade: 12

Prerequisite: None

In the Cooperative Education course, students will be introduced to the world of work. The course is designed so that students spend one half of the school day in academic classes and the remainder of the school day at an approved work site. The course has a complimentary class in which students learn about career opportunities, job searching, interviewing, resume and correspondence writing, workers' rights, work safety and basic first aid, and personal finance. Available to seniors only the Prerequisite for this class are as follows: must be a senior in good standing, i.e., academic credits to support senior status, completed application for acceptance into the program, and teacher recommendation.

Technical Drawing CAD (Full year/5 credits)

Open to Grade: 10, 11, 12

Prerequisite: None

**Bergen Community College Dual Enrollment Eligible Course*

DFT 107 – Drafting I (3 credits)

DFT 210 – CAD I (3 credits)

In the Technical Drawing CAD course, students are provided with an understanding of the basic concepts related to communicating technical information and design ideas. Communication through drawings and sketches generated by hand and/or computers are essential to many careers in business and industry. Through a series of hands-on experiences, students will become familiar with freehand sketching, scale drawing, print reading, visualizations, mechanical drawing, and computer-aided drafting (CAD). One, two and three-view drawings are used to explain designs graphically. Also, using TLA's (Technology Learning Activities), students will learn to apply problem-solving design techniques used by drafters, design engineers, interior designers, and the building trades. Other various careers related to this area will also be explored.

Engineering CAD (Full year/5 credits)Open to Grade: 10, 11, 12Prerequisite: Technical Drawing CAD**Bergen Community College Dual Enrollment Eligible Course**DFT 207 – Drafting II (3 credits)*

In the Engineering course, students will employ some manual drafting applications, but there will be an emphasis on computer-aided drafting skills to create working drawings and computer simulations for a variety of applications. In the class, there is a focus on concepts and techniques used for the design, production, and promotion of various products. Topics will include specification interpretation, orthographic projection, sectional views, threads, fasteners, and tolerancing, assembly drawings, perspectives, and advanced isometrics. There will be projects undertaken in which students will produce all necessary drawings for the manufacture of products through the implementation of "Reverse Engineering." This course will also provide students with an understanding of concepts related to interpreting and communicating engineering-related technical design areas in which CAD is commonly implemented. These specialized fields include civil drafting, HVAC/sheet metal drafting, electrical and electronics drafting, and structural drafting with architectural applications. The skills, knowledge, and problem-solving design techniques that students will continue to develop will be essential to many careers relevant to architecture, industrial and interior design, manufacturing and construction, commercial and graphic arts, as well as many other professions in the engineering, trade, and technical fields. This course serves a capstone for our Technical Drawing and Computer Aided Design program.

Intro to Construction (Full year/5 credits)Open to Grade: 10, 11, 12Prerequisite: None

In the Intro to Construction course, students are given a curriculum in two phases and the opportunity to develop basic knowledge and skills in residential construction technology at an introductory level. The initial phase is accomplished through a woodworking technology medium with time devoted to the proficiency and the proper application of basic hand tools, machines, and techniques as well as following given safety guidelines that are stressed throughout the course. The secondary phase allows students to continue developing their newly acquired abilities and introduces students to new construction processes and skills; including interpreting basic construction drawings; applying construction math; identifying building materials and structural parts of a house; exploring construction systems, as well as reviewing the planning and managing stages of the construction of a residential building. Upon successful completion of this course, the student will have developed the basic knowledge and skills that can be applied to a career pathway related to construction. Additionally, they will be able to work safely and effectively on basic tasks in a home shop situation.

Construction Technology (Full year/5 credits)Open to Grade: 10, 11, 12Prerequisite: Intro to Construction and Teacher Recommendation)

In the Construction Technology course, students will learn about major procedures involved with the on-site construction of residential buildings is presented. It is designed for students who desire to attain greater knowledge and skills regarding various facets of construction technology. This hands-on course begins by allowing students to continue to become proficient at utilizing tools, machines, and techniques safely at a more advanced level through a woodworking medium. It then focuses on various construction processes that include interpreting construction blueprints, applying construction math, building layout and concrete construction processes, and residential framing and finishing techniques. Students will gain hands-on experience by constructing a scaled-down model house section. This course is structured to better prepare students for a smooth transition from school to meaningful employment or post-secondary training. A segment of this course will be dedicated to career education where students will explore various careers related to the construction industry, review career decision-making techniques and job-training requirements, examine research and job searching strategies, as well as learn to prepare a resume, a cover letter, and know what to expect during an interview process.

Tech Inventions and Innovations (Full year/5 credits)Open to Grade: 9, 10, 11, 12Prerequisite: None

In the Tech Inventions and Innovations course, students will learn about the nature of inventing and innovating while exploring various areas of technology is emphasized. Students will be given the opportunity to design, experiment, develop, and construct projects that serve as solutions for given design problems as they learn about various common technologies and apply basic engineering processes. They will follow a logical step-by-step problem-solving model as they apply basic design and engineering principles that are used in industry. The goal is to develop student knowledge and appreciation of technology in addition to building confidence in their own problem-solving skills. The areas that will be explored include, but are not limited to, communication, construction, manufacturing, transportation, and energy/power technologies. Computers, tools, machines, and various types of materials are used for prototyping and project development. Applying math, science and communication skills will be a necessity to find the best solutions. Careers are also explored, giving students a better understanding of future career opportunities within the technology spectrum.

Public Speaking in the Media (Half year/2.5 credits)

Open to Grade: 9, 10, 11, 12

Prerequisite: None

In the Public Speaking in the Media course, students will be introduced to the fundamentals of television production and speaking within a broadcast setting. Students will be introduced to the basic concepts of television production through many assignments. The first half of the course will be spent teaching these concepts to students; the second half will be project-oriented, which enables students to learn about and use equipment used in the video production field. They work cooperatively in a TV studio and field setting to produce content that is shown on MSG Varsity and GTV. **Participation in some after-school projects is a required part of the course.**

Computer Applications Final Cut Pro (Full year/5 credits)

Open to Grade:10, 11, 12

Prerequisite: Public Speaking in The Media

In the Computer Applications Final Cut Pro course, students will learn about what happens after the production of a media piece is completed. This course is a continuation of Public Speaking in the Media. It is intended to enhance the skills previously taught, as well as introduce students to the postproduction process of video editing. Students will be responsible for editing videos filmed throughout the year and creating in-house videos. As in Television Production, the creation of programming for GTV involves some required after school participation.

Communication in Television and Social Media (Full year/5 credits)

Open to Grade:10, 11, 12

Prerequisite: Public Speaking in The Media, Computer Applications Final Cut Pro

In this Communication in Television and Social Media course, students will apply the skills they have learned to produce programs used throughout the school and district. This course's purpose is to enhance their skills in television production fully. They will be further introduced to the laws, regulations and ethics that personnel in television production may face. Students will also be responsible for producing a morning announcement/news show for GHS, which will be informative and entertaining. This will require essential public speaking and interviewing skills, which students will improve upon throughout the course. Due to the advanced nature of this course, much of the work is completed independently. **This course is writing and filming intensive and requires after-school participation.**

Computer Applications (Half year/2.5 credits)Open to Grade: 9, 10, 11, 12Prerequisite: None

In Computer Application course, students will be introduced to Microsoft Office 2007. Students will complete projects with real-life examples to develop skills they will need in everyday computing. The student will be introduced to Word Documents, Excel Work Sheets and Power Point Presentations. They will have the opportunity to enhance their skills in these programs that are a necessity in college and many careers.

Web Design (Half year/2.5 credits)Open to Grade: 9, 10, 11, 12Prerequisite: None

In the Web Design course, students with basic knowledge of HTML will learn the basic skills for designing and creating websites. Using Microsoft Front Page, students will use these skills and knowledge to create personal fully functional websites that display their interests. Students will have the opportunity to discover a special interest in web design as a possible future career.

Robotics (Half Year/2.5 credits)Open to Grade: 9, 10, 11, 12Prerequisite: None

In the Robotics course, students will be exposed to a hands-on approach to introduce the basic concepts of robotics, focusing on the construction and programming of autonomous mobile robots. Course information will be tied to lab experiments; students will work in groups to build and test increasingly more complex mobile robots, culminating in an end-of-semester robot contest. We will be using VEX Robotic Design System as our platform. Students will be divided into groups and complete a variety of robot construction and programming activities within the confines of these groups.

First Aid (Half Year/2.5 credits)Open to Grade: 11, 12Prerequisite: None

In the First Aid course, students will be trained to recognize and respond appropriately to cardiac, breathing and first aid emergencies to know to give immediate care to a suddenly injured or ill person until more advanced medical personnel arrive and take over. This course offers flexibility of instruction in First Aid, CPR and AED protocols for adults, children and infants.