

New Rochelle High School 2024 - 2025

Course Catalog and Program Guide



New Rochelle High School
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Phone: 914-576-4500

<https://nrhs.nred.org>

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City School District of New Rochelle policies may be found online at
<https://go.boarddocs.com/ny/nred/Board.nsf/vpublic?open&id=policies#>

The Board meetings are based on a flexible schedule.
The exact time and date of upcoming board meeting may be found on the school district calendar at
<https://www.nred.org/page/board-of-education-home>

Central Office Leadership

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New Rochelle High School Administrative and School Counseling Staff

Dr. Dagoberto Artilles Principal

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Leah Lugovina-Freitas Director of Guidance and Counseling

HOUSE I

LaToya Thompson	House Principal
Maria Gomez	School Counselor
Christine Grogan	School Counselor
Claire Mayer	School Counselor
Giselle Martinez	School Counselor

HOUSE II

Janet Aguirre	House Principal
Amy Costa	School Counselor
Joann Jankowski	School Counselor
Maria Nunez	School Counselor
Joseph Zimmermann	School Counselor

HOUSE III

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Heather Brown	School Counselor
Dr. Jessica Dorsett	School Counselor
Jennifer Paternoster	School Counselor
Robyn Reich	School Counselor
Christopher Tuck	School Counselor

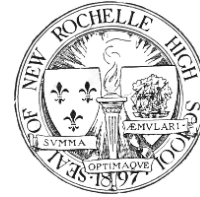
HOUSE IV

Seth Busching	House Principal
Grace Addow-Langlais	School Counselor
Kevin Austin	School Counselor
Johanna Kennedy	School Counselor
Laura Solano	School Counselor

DEPARTMENT CHAIRPERSONS, SUPERVISORS, AND DIRECTORS

Lydia Adegbola	English	Matthew Lucero	Performing and Vis. Arts
Xiomara Gonzalez	Math, Technology and Architecture	Tilsa Rodriguez-Gonzalez	Health and Physical Ed.
Gustavo Barbosa	Social Studies, Business	Elizabeth Goodwin	World Languages
Rekha Liveris	Science	Maureen Maire	Extended Day Program
Maureen Avione	Special Education	Joseph Donaldson	Athletics
Andrea Schwach	Huguenot Academy	Myriam Valle	English as a New Language

January 2, 2024



Dear New Rochelle High School Students and Families:

The **New Rochelle High School 2024-2025 Course Catalog and Program Guide** is a rich resource created to support students along their high school journey, and to prepare them as they begin to explore and consider postsecondary options. Following the dissemination of this student curriculum guide there will be an interactive family workshop presented by NRHS educators (Course Information Night, January 11, 2024).

The City School District of New Rochelle is committed to building upon students' elementary and middle school successes, and ensuring that they graduate from our flagship institution prepared for the transition to college and career. Our New Rochelle High School educators and staff provide rich and rigorous experiences that encourage self-determination and agency. The courses and programs are developed to build a strong academic and social/emotional foundation and to provide students with opportunities to explore a variety of career areas. Students and families are encouraged at every step to take an active part in making decisions for their future.

How to Use This Guide

This course curriculum guide is a planning tool. The objective is to help our middle and high school parents and students select their core courses and electives for high school. It is available on-line in a highly interactive format, with tabs to enable you to quickly go to each academic department. Please take the time to carefully review the *Program Guide* with your family. This will begin the process of selecting courses for the next school year that are meaningful to you and will help you meet your personal goals. While some classes that students take at New Rochelle High School are state mandated (e.g. Global History) there are other classes where students do have to make choices as to what courses they would like to enroll in. The more informed you are about graduation requirements, subject area sequences, and expectations for particular courses, the better you will be able to plan accordingly.

So, please use the information in the *Program Guide*, as you take the opportunity to discuss the academic and career paths you want to explore with your parents/guardians, teachers, and guidance counselor. These conversations will guide you, as you select courses to plan a learning experience that will challenge and engage you. It is also important that parents understand the pathways that their children are embarking upon, and should there be any questions or concerns the first person to call is the counselor. I am also available to discuss any issue regarding your child's educational and social emotional well-being.

Dr. Dagoberto Artiles, Principal
New Rochelle High School

2024-25 CATALOG UPDATES

Below is the list of the most important changes made to this year's catalog. Many corrections and formatting changes have been made, but those that most directly impact students are listed here for your convenience:

New Course Offerings

- [AP African American Studies](#) (Social Studies)
- [Advanced Robotics II](#) (Science)
- [AP Precalculus](#) (Math)
- [Financial Mathematics](#) (Math)
- [Introduction to Engineering Design](#) (Technology)

Courses No Longer Offered

- Intro to College Math (replaced by Financial Mathematics)
- WCC Precalculus (replaced by AP Precalculus)
- Computer Aided Residential Drawings (replaced by Intro to Engineering Design)

Important Program Updates

- We have introduced Concentrations, which are available to all students, and are similar to a minor at the university level. Please see the [Concentrations](#) section, which is part of the [catalog](#) introduction.
- We have expanded our Pathways to Graduation offerings. Please see the [Pathways](#) section.
- We have introduced the [Seal of Civic Readiness](#) (listed under Special Programs)
- The business internship program has been renamed [NICE](#) (listed under Special Programs)
- Dual-enrollment courses formerly labeled with the WCC designation have been updated to say SUNY
- With Studio Art credit no longer offered in middle school, 9th graders are no longer eligible for art electives

Changes to the Catalog Organization

- Programs which are awarded an honorary seal upon completion are now listed in the Special Programs section of the catalog (PAVE, Seal of Civic Readiness, Seal of Biliteracy)
- Computer Science course descriptions are now listed in the [Technology Department](#) section.

COURSE CHANGE/WITHDRAWAL DEADLINES 2024-25	
Semester 1 No Penalty Deadline Semester 2 No Penalty Deadline	October 11, 2024 March 21, 2025
Before this deadline, students can transfer into a different class without penalty. No grades will be recorded or entered on their transcripts.	
Semester 1 Late Drop Window Semester 2 Late Drop Window	October 14, 2023 - December 6, 2024 March 24, 2025 - May 2, 2025
If a student drops a course in this timeframe, a WP (Withdrawal–Passing) or WF (Withdrawal–Failing) will be entered on their transcript based on their class average at the time of the drop. Students will not be penalized in any classes entered into at this time. <u>Only level changes permitted.</u>	
Semester 1 Final Deadline Semester 2 Final Deadline	December 6, 2024 May 2, 2025
Students may not drop/change courses after this deadline except in extreme extenuating circumstances (e.g. serious medical concern).	

For more information on course changes/withdrawals, please see the course change section below.

GRADUATION REQUIREMENTS

The course credit and assessment requirements outlined below provide a general overview of our three most common diploma types: Local, Regents, and Regents with Advanced Designation.

A complete guide to NYS graduation requirements, diploma types, and graduation pathways can be found on the state website at the following address:

[NYS Diploma Requirements Guide](#)

REQUIRED CREDITS FOR GRADUATION

SUBJECT	REGENTS DIPLOMA	ADVANCED REGENTS DIPLOMA
English	4 credits	4 credits
Social Studies: Global History I Global History II, US History, Economics (.5), and Government (.5)	4 credits	4 credits
Mathematics	3 credits	3 credits
Science *	3 credits	3 credits
Language other than English (LOTE)**	1 credit***	3 credits****
Art or Music	1 credit	1 credit
Health (1 year of Health = .5 credit)	.5 credit	.5 credit
Electives	3.5 credits	1.5 credits
Physical Education (Each year of P.E. = .5 credit)	2 credits	2 credits
TOTAL	22 credits	22 credits

Diploma With Honors: As per New York State regulations, a student may be awarded a Regents Diploma or an Advanced Regents Diploma with Honors. To earn honors, a student must achieve an average of 90 percent on all Regents Exams (or their equivalent pursuant to section 100.2 (p), required for the diploma. Averages below 90.0 percent shall not be rounded upward to 90 percent.

* At least one course must be a life science and another must be a physical science.

** Students with a disability may be excused from the requirement for 1 unit of credit in Language Other Than English (LOTE) if so indicated on the IEP - but must still earn 22 credits to graduate.

*** Students who complete the first credit of Language Other than English (LOTE) before the end of eighth grade must pass a locally developed proficiency examination that is aligned with the New York State learning standards for Languages Other than English at Checkpoint A.

**** Students completing a five-unit sequence in career and technical education or the arts (visual arts, music, dance, and theater) are not required to complete the additional two units of the Language Other than English requirement for the Regents Diploma with Advanced Designation but must still meet the requirements for the total number of credits.

REQUIRED ASSESSMENTS FOR GRADUATION

REGENTS DIPLOMA	ADVANCED REGENTS DIPLOMA
English	English
Global History or other history Regents	Global History or U.S. History
Algebra I or other math Regents	Algebra I, Geometry, and Algebra II
Living Environment* or other science Regents*	One Exam in Life Science* and One Exam in Physical Science*
One additional Pathway	One additional Pathway
—	Completion of ONE sequence: World Language, Arts, or CTE
Four content area Regents exams + one additional Pathway	Seven Regents exams + one Pathway + one sequence

* In order to qualify to take a Regents examination in any of the sciences, a student must complete 1,200 minutes of hands-on laboratory experience with satisfactory documented laboratory reports.

REGENTS EXAMINATION APPEALS PROCESS

Please see the NYS website for complete information regarding the Regents appeals process: [NYSED Website](#)

PATHWAYS TO GRADUATION

All students must receive a passing score on a minimum of four Regents examinations in order to receive a Regents diploma (see chart above), plus pass one additional assessment of their choosing; this fifth assessment is referred to as a “Pathway.” Below is the list of the current Pathways available at NRHS. For complete information on Pathways, please visit the [NYSED website](#).

Pathway	Requirements
Humanities	Pass an <u>additional</u> Social Studies or English Regents examination (or NYSED approved alternative). Note: This is the most commonly used Pathway in NYS. Students who take and pass both the Global History Regents in 10th grade and the US History Regents in 11th grade qualify for the Humanities Pathway.
STEM	Pass an <u>additional</u> Math or Science Regents examination (or NYSED approved alternative). Note: This is also a common Pathway. For example, students who have passed any two of the Regents math exams (Algebra I, Geometry, Algebra II) or any two of the Regents science exams (Living Environment, Earth Science, Chemistry, Physics) qualify for the STEM Pathway.
World Language	Pass the NYS Checkpoint B examination in a chosen World Language. Note: The Checkpoint B examination is generally offered to students when they complete level 3 of a language (e.g. Spanish 3/French 3/etc.). This exam is not to be confused with the Checkpoint A exam, which is usually offered to students at the middle school level.

Career & Technical Education - BOCES Technical Programs*	CTE Pathways are available for most students who intend to complete a technical program offered through our partnership with Southern Westchester BOCES. If your child is enrolled in a BOCES technical program and you would like information on available Pathways, please contact your child's counselor within their BOCES program.
Career & Technical Education - Architecture*	Pass the following five architecture elective courses (see Technology Dept. catalog): Design and Drawing for Production, SUNY Cad I, Computer Residential Drawing, SUNY Architectural Drawing, SUNY Architectural Design AND Complete the required Architecture Internship AND Successfully complete the Autocad Autodesk Certified User Examination
Career & Technical Education - Marketing*	Pass the following five business elective courses (see Business Dept. catalog): Principles of Marketing, SUNY Marketing, Social Media Marketing, Sports Marketing, and Career & Financial Management AND Complete the required Business Internship through the NICE Program AND Successfully complete each part of the Marketing Technical Assessment (written, verbal, and demonstration)
Civics (Seal of Civic Readiness)*	The Civics Pathway is granted as part of the completion of the Seal of Civic Readiness. Students who complete this Pathway will earn an honorary seal on their diploma. Please click here to see the Seal of Civic Readiness section.
Career Development and Occupational Services (CDOS)*	CDOS Pathway Assessment Credential Requirements

*Students who complete this Pathway will receive honorary recognition on their diploma.

CONCENTRATIONS

The purpose of Concentrations is to provide students with course sequences which complement one another and better focus their elective area of study on a cohesive topic, similar to a minor at the university level. Students who earn a Concentration will be granted a designation on their diploma as well as an honor cord for their graduation ceremony. Earning a concentration is not a requirement for graduation

To earn a Concentration, students must complete three **elective** credits in their respective area of study. Courses that count as credit-specific graduation requirements do not count towards a Concentration. For example, if a Computer Science course is taken to satisfy the minimum 3 credit mathematics requirement for graduation, it cannot be used towards a Concentration in Computer Science – it must be taken as an elective, and the math requirement must be satisfied with another course in the Mathematics Department.

Students must meet the requirements as set forth below in order to earn the Concentration. If specific scheduling conflicts prevent a student from completing the exact requirements as described, certain course alternatives may qualify with prior departmental approval. Students are only encouraged to focus on a single Concentration, but in some cases, it may be possible for a student to earn more than one Concentration by going beyond the 22 credits required for graduation (minimum 24.5 credits for two Concentrations). Elective credits used for one Concentration cannot be used again towards a second Concentration (a course cannot be used to “double dip”)– **each Concentration requires 3 elective credits.**

For the 2024-25 school year, concentrations are offered in the following areas of study:

Concentration	Requirements
Architecture*	Any three elective credits of architecture courses (see Technology Dept. section). <i>If DESIGN, DRAWING, AND PRODUCTION is used to fulfill the art credit graduation requirement, the student must take three additional levels of architecture courses.</i>
Art*	Any three elective credit sequence of art courses. For example, DRAWING AND PAINTING I, II, AND III. For art disciplines which do not offer a 3 year sequence, any additional art credit may be used to fulfill the concentration. For example, PHOTOGRAPHY I AND II, plus any other art elective. <i>If STUDIO ART is used to fulfill the art credit graduation requirement, the student must take three additional levels of art courses.</i>
Business	Any three elective credits of business courses. Please note that half-year business electives are worth .5 credits each.
Computer Science	AP COMPUTER SCIENCE PRINCIPLES, AP COMPUTER SCIENCE A, and 1 credit of any level of Robotics (see Science Dept. section). <i>Computer Science and Robotics courses must be taken as elective credits, not as math or science graduation requirements, in order to fulfill this concentration.</i>
Music*	Any three elective credit sequence of music ensemble courses (e.g. band/orchestra/vocal ensemble). <i>If a music course is used to fulfill the art credit graduation requirement, the student must take three additional levels of music courses.</i>
Robotics	ADVANCED ROBOTICS I, ADVANCED ROBOTICS II, and one of the following: INTRODUCTION TO ROBOTICS, AP COMPUTER SCIENCE A, AP COMPUTER SCIENCE PRINCIPLES. <i>Computer Science and Robotics courses must be taken as elective credits, not as math or science graduation requirements, in order to fulfill this concentration.</i>
Science Research	SCIENCE RESEARCH 1, SCIENCE RESEARCH 2, SCIENCE RESEARCH 3
World Language*	Any three elective credits of a World Language sequence of courses. <i>If a level 1 course is used to fulfill the World Language credit graduation requirement (e.g. SPANISH 1), the student must take three additional levels of World Language courses in the same language of study (e.g. SPANISH 2, SPANISH 3, AND SUNY SPANISH).</i>

*Students who complete this Concentration may also qualify to take the corresponding Pathway to Graduation assessment. Completing a Pathway is not a requirement to earn a Concentration. See the Pathways section above for more information.

EARLY GRADUATION

Although early graduation is not encouraged, there are instances in which it is desirable. Students who indicate an interest in graduating at the end of their Junior Year or at the end of the first semester of their Senior Year, must meet all graduation requirements and follow certain procedures. The deadline for filing an early graduation request is the end of the second semester of grade ten to graduate the following June or the end of the first semester of grade 11 to graduate in January of the senior year.

VALEDICTORIAN AND SALUTATORIAN

In determining the valedictorian and salutatorian, the academic records of the seniors are reviewed by the Principal and the graduation committee at the conclusion of the fall semester of the twelfth grade. A student must have been in attendance in New Rochelle High School for at least six semesters in order to be eligible. Students who receive approval to graduate early will not qualify for these honors.

HONOR ROLL

The Honor Roll exists to acknowledge students who have dedicated themselves to high academic achievement in multiple subject areas. The Honor Roll is calculated each marking period based on the student's weighted GPA, denoted on the report card as "Current MP GPA." If a student qualifies for Honor Roll, it will be denoted next to the GPA on their report card. *Physical Education courses and non-credit bearing courses are not included in GPA calculations.* In order to qualify for Honor Roll or High Honor Roll, students must meet one of the following set of criteria:

High Honor Roll: Marking Period GPA of 90 or above, with no grades below 85

Honor Roll: Marking Period GPA of 85 or above, with no grades below 75

SELECTION OF COURSES

To use this Program Guide to your advantage, you must carefully analyze all of the information: units of credit, required subjects, and prerequisites.

Students are strongly advised to push themselves with the most challenging program in which they can earn good grades. A typical high school program of study includes five major subjects, one elective, and Physical Education for a total of **6.5** units of credit each year. **Seniors must be enrolled in a minimum of 5.5 credits.** All other grade levels should be scheduled for the maximum number of classes that will fit into their schedule, including a lunch period.

As students make their final selection of courses and complete their course requests with the assistance of their School Counselor, they are expected to review their choices with their parents.

COURSE CHANGES AND WITHDRAWAL GUIDELINES

It is essential that all course selections are made carefully and that a deadline is established beyond which changes cannot be made. Course requests will be made during the spring semester. Once the master schedule is developed, course conflicts must be resolved before the conclusion of the school year. Finalized student schedules will be mailed home during the third week of August. Once courses begin, students may not request any changes for the first two weeks of class unless there is an error on the schedule. After the first two weeks, students are permitted to request level and other scheduled changes in the timeline listed below. These requests are granted on a space available basis taking into account class size.

CHANGES/ADD-DROP PROCEDURES: If a student is unsuccessful in a course, with the help of the counselor, or department chair, and with parent involvement, teachers and students should explore possible solutions or additional assistance that may be necessary. Before any decision is made to change or drop a class, the teacher and the student should have a thorough discussion of the reasons for the change. If this difficulty is substantiated by a teacher's recommendation, a change in level or placement may be made with written parental consent and departmental approval. Course changes will not be made for reasons of teacher selection. Any requests to drop an Honors, Advanced Placement or Dual Enrollment course must be approved by the department chair.

Lateral Changes (changing periods or teachers, but remaining in the same course) are not permitted, unless it is a result of another necessary change (e.g. dropping from Honors or AP to a Regents level).

COURSE CREDIT: Course credit is determined by the successful completion of course requirements within the required time frame. Units of credit toward high school graduation are recorded on report cards and transcripts. Transfer credit from other schools is awarded, subject to approval by the Principal. Most courses have a required Regents or final exam or final project that must be completed in order to receive course credit. Only Regents examination grades are recorded on the transcript. Completion of the Advanced Placement exam is required to receive credit for an AP course.

COURSE LEVELS AND WEIGHTING

The baseline for all credit-bearing classes is a weight of 1.0, with exception to Physical Education courses, which are not counted towards a student's GPA.

Regents level courses are rigorous courses designed to follow the New York State Regents curricula. To be considered a Regents level course, the course must either terminate in a Regents exam or be part of a sequence which terminates in a Regents exam (e.g. English 1 - 3). **Regents level courses are weighted at 1.05.**

Honors courses go beyond the Regents curricula with regard to both breadth and depth, and require more independent work on the part of the student. **Honors level courses are weighted at 1.10.**

Advanced Placement (AP) courses follow College Board (national) curricula that are designed to engage the student in college work. When a course is at the AP level, this will be indicated in the course title, such as "AP U.S. History". Students in AP courses are required to pay for and take the appropriate AP Examinations in May. Students who are eligible for free or reduced lunch pay a reduced fee. All AP examinations are graded by outside readers on a scale of one to five. Students may receive college credit and/or placement based upon their exam scores. This is determined by the college or university which the student attends. **AP level courses are weighted at 1.10. (Voluntarily opting out of AP Examinations will lead to the AP Designation removal from such a course on the student's permanent record)**

Dual enrollment courses are courses that allow a student to earn high school and college credit simultaneously. They are taught at the high school by a NRHS teacher who has been specially trained. The number of college credits the student will earn through a dual enrollment course is determined by the college or university. Students enrolled in a dual enrollment course may pay college tuition; however, the tuition may be significantly discounted from what a student would pay if they took the course at the college or university, or may be provided at no cost. Students who wish to take a dual enrollment course must meet criteria set by the college or university for admission into the course. **Dual enrollment courses are weighted at 1.10.**

Courses which are considered dual enrollment can be identified with the following indicators:

SUNY: Offered through SUNY in partnership with Westchester Community College

SUPA: Offered through Syracuse University (Syracuse University Project Advance)

Mercy College: Offered through Mercy College.

On the following page, you will find a complete listing of all Honors, AP, and Dual Enrollment courses currently being offered at New Rochelle High School. For more details on each of these courses, please view the respective department's section of the course catalog.



NEW ROCHELLE HIGH SCHOOL ADVANCED COURSEWORK OFFERINGS

Honors Level Courses

English

English 2 Honors
English 3 Honors

World Language

Spanish 3 Honors Bridge-to-AP Spanish
French 3 Honors Bridge-to-AP French
Italian 3 Honors Bridge-to-AP Italian
Mandarin 3 Honors Bridge-to-AP Chinese
Bridge-to-AP Latin

Math

Geometry Honors
Algebra II Honors

Science

Pre-AP Chemistry
Earth Science Honors
Neuroscience Honors
Advanced Robotics I and II

Advanced Placement (AP) Courses

Social Studies

AP World History
AP United States History
AP US Government & Politics
AP Macroeconomics
AP Human Geography
AP African American Studies
AP European History
AP Psychology

World Language

AP Spanish Language
AP Spanish Literature
AP French Language
AP Chinese Language
AP Italian Language

English

AP English Language
AP English Literature
AP Capstone: AP Seminar and AP Research

Math

AP Precalculus
AP Calculus AB
AP Calculus BC
AP Statistics

Technology

AP Computer Science A
AP Computer Science Principles

Science

AP Biology
AP Chemistry

AP Physics 1
AP Physics 2
AP Physics C
AP Environmental Science

Fine Arts

AP 2-D Art and Design
AP 3-D Art and Design
AP Drawing

Dual Enrollment Courses

English

SUPA College Academic Reading
SUPA College Academic Writing

Social Studies

SUPA Sociology

Science

SUPA Biology
SUPA Forensic Science

Technology

SUNY CAD I
SUNY Architectural Drawing
SUNY Architectural Design

Math

SUPA Precalculus / Calculus I
SUPA Calculus II
SUPA Calculus III and Differential Equations

Business

SUNY Accounting
SUNY Business Organization and Management
SUNY Entrepreneurship
SUNY Marketing
Mercy College Business Law

World Language

SUNY Spanish

BUSINESS

New Rochelle High School offers a robust business education program to help students develop the knowledge, skills and behaviors necessary to succeed in the workforce using the appropriate business and communication tools. These courses provide an opportunity for students to learn the fundamentals of marketing, finance and accounting, business law, business management, social media design, and computer applications. The acquired skills provide a foundation for post-secondary study in business, information literacy, computer science, or programming.

ACCOUNTING COURSES		
Accounting	1 credit	Full Year
SUNY Accounting *	1 credit	Full Year
BUSINESS COURSES		
Introduction to Business	.5 credit	Fall or Spring
Business Law ✪	1 credit	Full Year
Mercy College Business Law ** ✪	1 credit	Full Year
BUSINESS TECHNOLOGY COURSES		
Computer Applications - Microsoft APPS	.5 credit	Fall or Spring
Computer Application - Google APPS	.5 credit	Fall or Spring
Web Design for Beginners	.5 credit	Fall or Spring
FINANCE & ECONOMICS COURSES		
Economics and Personal Finance ☆	.5 credit	Fall or Spring
Career & Financial Management Through Economics ☆, ***	.5 credit	Fall or Spring
MARKETING & MANAGEMENT COURSES ↶		
Principles of Marketing***	1 credit	Full Year
Social Media Marketing ***	.5 credit	Fall or Spring
Sports Management	.5 credit	Fall or Spring
Sports & Entertainment Marketing ***	.5 credit	Fall or Spring
SUNY Business Organization and Management*	1 credit	Full Year
SUNY Entrepreneurship* ☆	.5 credit	Fall or Spring
SUNY Marketing*, ***	1 credit	Full Year

* **SUNY course:** Credit is offered through SUNY Westchester Community College.

** **Dual Enrollment course:** Credit is offered through Mercy College.

*** CTE Marketing Pathway requirement

✪ Course satisfies NYS mandate in Government ☆ Course satisfies NYS mandate in Economics

↶ The NRHS Business Dept. is proud to introduce the CTE Marketing Pathway beginning in 2024-25. Please see the [Pathways](#) section and contact Mr. Barbosa for additional information.

BUSINESS

5555 - ACCOUNTING

Offered in grade(s): 10, 11, 12

Prerequisite(s):

Credit: 1.00 **Weight:** 1.0

This course is designed to introduce the basic elements of accounting. Students will examine the recording phase of keeping records in business. They will study the theory and practice of accounting for the complete accounting cycle: analyzing transactions, journalizing, posting, petty cash, financial statements, and adjusting and closing entries. Computers are utilized in recording transactions and in preparing reports and financial statements. Students will explore career opportunities in the field of accounting.

5565 - SUNY ACCOUNTING

Offered in grade(s): 11, 12

Prerequisite(s): 80 GPA or higher

Credit: 1.00 **Weight:** 1.10

This is an honors-level accounting course using a college level text. Recommended for students planning to study accounting at the postsecondary level. Accounting topics include the Accounting Cycle, Analyses of Transactions, Deferrals and Accruals, Financial Statements, Special Journals, Inventory Systems, Bank Reconciliations, Accounting for Receivables and Uncollectibles, Plant Assets and Depreciation. Computers are used to perform various accounting applications such as spreadsheets. Westchester Community College will grant 4 transferable credits for successful completion of this course. A modest tuition fee is charged by the College.

5501 - INTRO TO BUSINESS

Offered in grade(s): Offered in Grades 10, 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.0

This semester course introduces students to the role of business in our lives as consumers, workers, and citizens. It begins with an overview of economic systems with emphasis on the American economy. It then explores the characteristics of finance, entrepreneurship, international business, and the government's role in business. Other topics to be studied include human relationships, decision making, personal resource management, consumer issues regarding banking systems and taxes. Students will learn basic business technology, including Microsoft Office Suite. The course will explore career opportunities and employment skills needed when applying for a job. Students will partake in mock interviews, format a cover letter and résumé, and create a "Personal Business Plan."

5620 - BUSINESS LAW

Offered in grade(s): 10, 11, 12

Prerequisite(s):

Credit: 1.00 **Weight:** 1.0

In this real world course, students will gain an understanding of the law as it relates to them today and in the future. Students will explore legal vocabulary while gaining an understanding of the court system at local, state, and national levels. Students will explore contract law, their rights and responsibilities as citizens, utilization of financial transactions, employment and agency relationships, and an understanding of the regulations governing different types of business organizations. Students gain experience solving case problems. Successful completion of this course will satisfy the NYS mandate in Government.

5625 - MERCY COLLEGE BUSINESS LAW

Offered in grade(s): 11, 12

Prerequisite(s): Min. GPA 80

Credit: 1.00 **Weight:** 1.10

BUSINESS

This is an honors-level survey course in the field of business law, using a college level text. The content reflects the fundamental phases of business law as currently represented in the Uniform Commercial Code. Topics to be studied include law procedures and the nature and development of law; the constitution, government regulation, administration agencies, international trade, law, contracts; mutual consent, capacity of parties, consideration, legality of subject matter, corporations, partnerships; insurance; bankruptcy; real and personal property; employment and labor legislation; wills and estates. Mercy College will grant transferable credits for successful completion of this course. A modest tuition fee is charged by Mercy College. Successful completion of this course will satisfy the NYS mandate in Government.

5673 - COMPUTER APPLICATIONS - MICROSOFT APPS

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.0

This foundational semester course is designed to teach students the computing fundamentals and concepts involved in the proficient use of products and tools available through the Microsoft Office Suite. Upon completion of this course, students will gain basic proficiency in word processing, spreadsheets, databases, and presentations. In addition, students will have engaged in key critical thinking skills and will have practiced ethical and appropriate behavior required for the responsible use of technology.

5682 - COMPUTER APPLICATIONS - GOOGLE APPS

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.0

This foundational semester course is designed to teach students the computing fundamentals and concepts involved in the proficient use of the G-Suite, a collection of business, productivity, collaboration, and education software developed and powered by Google. Students will gain proficiency in the primary G Suite tools, including Gmail, Drive, Docs, Sheets, Slides, Forms, Calendar, Sites, Hangouts, and Keep. In addition, students will have engaged in key critical thinking skills and will have practiced ethical and appropriate behavior required for the responsible use of technology.

5659 - WEB DESIGN FOR BEGINNERS

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Computer Applications

Credit: 0.50 **Weight:** 1.0

Gain knowledge on the essential elements that make up a business website and apply it to any number of business sites that you create in future! Students will learn how to develop and create a website for business and personal use, as they work with different platforms. Students will obtain general knowledge on how an effective website can enhance the development of products and services in the market-place.

3820 - ECONOMICS AND PERSONAL FINANCE

Offered in grade(s): 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

Students will analyze the effectiveness of varying ways individuals and societies attempt to satisfy their basic needs and wants by utilizing scarce resources. Economic concepts such as: allocation of limited resources, supply/demand relationship, production, economic growth, markets, ethics, and competition will be defined and applied to personal finance scenarios. Students will set personal financial goals, recognize needs and debt obligations, and learn how to utilize effective budgeting to maximize personal economic growth. Successful completion of this course will satisfy the NYS mandated economics requirement.

5503 - CAREER AND FINANCIAL MANAGEMENT THROUGH ECONOMICS**Offered in grade(s):** 11, 12**Prerequisite(s):****Credit:** 0.50 **Weight:** 1.0

This semester course will provide students with a foundational understanding for making informed personal financial and career decisions. Students will learn how economics and individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Economic principles such as scarcity, productivity, supply and demand, etc., will be studied. The career management component will assist students in their preparation for career selection, and improve workforce skills such as: communication, teamwork, decision making, problem solving, goal setting, and time management. This course is required by the NYS Education Department for any student pursuing a Marketing CTE Endorsement and/or Pathway. The emphasis is on business and economic systems, career planning, and financial literacy. Successful completion of this course will satisfy the NYS mandates in Economics. Students taking this course are NOT allowed to enroll in Economics and Personal Finance, due to similarities in content.

5651 - PRINCIPLES OF MARKETING**Offered in grade(s):** 10, 11, 12**Prerequisite(s):****Credit:** 1.00 **Weight:** 1.0

This year-long course explores the way businesses create and sell their products. Areas covered include buying, selling, distribution systems, marketing research, and advertising. Major emphasis is on the retailing industry. Students will explore career opportunities in the field of marketing and distribution. This course is required by the NYS Education Department for any student pursuing a Marketing CTE Endorsement and/or Pathway.

5648 - SOCIAL MEDIA MARKETING**Offered in grade(s):** 9, 10, 11, 12**Prerequisite(s):****Credit:** 0.50 **Weight:** 1.0

Having a fully developed social media strategy will help you engage your audience in a real way, evoking reactions that are both emotional and lasting. Students taking this course will learn the fundamentals of Social Media Marketing in the business world and how to utilize Social Media effectively. Students will explore the history and effectiveness of Social Media on business marketing principles. This course is required by the NYS Education Department for any student pursuing a Marketing CTE Endorsement and/or Pathway.

5647 - SPORTS MANAGEMENT**Offered in grade(s):** 11, 12**Prerequisite(s):****Credit:** 0.50 **Weight:** 1.0

The business of sports has grown to a multibillion-dollar enterprise on a worldwide scale. In this course students will develop an understanding of the sports industry including: the governance structure of both professional and amateur organizations, human resources, financial aspects of the business, and the concepts and skills of leadership for managers in this field. Students will learn and develop an understanding of the unique aspects of sport management that separates it from other fields. The students will gain an awareness of the challenges and opportunities that are inherent in this business. They will also learn about the various career opportunities in this industry through guest speakers and a variety of resource material.

5655 - SPORTS & ENTERTAINMENT MARKETING**Offered in grade(s):** 11, 12**Prerequisite(s):** Principles of Marketing**Credit:** 0.50 **Weight:** 1.0

This innovative course is a study of how the principles of marketing are applied in the sports industry. The course examines the marketing of sports, teams, athletes, etc., as well as the use of sports to market products (e.g., sponsorship and promotional licensing). Classroom instruction will be reinforced through the use of outside lectures, case studies, and field trip experiences. This course is required by the NYS Education Department for any student pursuing a Marketing CTE Endorsement and/or Pathway.

5654 - SUNY MARKETING**Offered in grade(s):** 11, 12**Prerequisite(s):** 80 GPA or higher**Credit:** 1.00 **Weight:** 1.10

This is an honors-level survey course in the field of marketing, using a college level text. Topics to be studied include: economic, psychological, and sociological influences on buyer behavior; product development, product line decisions, policies and strategies; determining distribution channels; promotional activities; and marketing research. This course is required by the NYS Education Department for any student pursuing a Marketing CTE Endorsement and/or Pathway.

Westchester Community College will grant 3 transferable credits for successful completion of this course. A modest tuition fee is charged by the College.

5504 - SUNY BUSINESS ORGANIZATION AND MANAGEMENT**Offered in grade(s):** 11, 12**Prerequisite(s):** 80 GPA or higher**Credit:** 1.00 **Weight:** 1.10

This introductory business course surveys issues that affect the initiation, organization and management of businesses in today's society which are characterized by rapid change in the economic, social, technological and cultural environments. While the course focuses on business organizational methods and management functions, specific topics such as ownership, economic theory, production, human resources, motivations, marketing and financial management are examined in some detail. The objectives are to provide students with a theoretical as well as a practical grounding in the basic competencies essential to understanding the operation of the business enterprise in the American marketplace. Westchester Community College will grant 3 transferable credits for successful completion of this course. A modest tuition fee is charged by Westchester Community College.

3818 - SUNY ENTREPRENEURSHIP**Offered in grade(s):** 11, 12**Prerequisite(s):** 80 GPA or higher**Credit:** 0.50 **Weight:** 1.10

This introductory course is designed to acquaint the student and/or the potential small business owner with the problems and opportunities of starting and operating a small business. Subjects covered include: the characteristics of the successful entrepreneur, basic steps in starting a business, the advantages and disadvantages of small business ownership, legal forms of ownership, small business record keeping, the financing of a new business, how to advertise, buying into an existing business or franchise, and the reasons why small businesses fail. Westchester Community College will grant transferable credits for successful completion of this course. A modest tuition fee is charged by W.C.C. Successful completion of this course will satisfy the state-mandated economics requirement. Westchester Community College will grant 3 transferable credits for successful completion of this course.

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Literacy is the foundation of learning. The goal of the English Language Arts program at New Rochelle High School is to help students develop into literate, critical thinkers and thoughtful communicators, capable of using language effectively as they negotiate an increasingly complex, information-rich world. Aligned with the New York State Next Generation Learning Standards for English Language Arts, all English courses give students opportunities to refine specific skills and strategies in reading, writing, speaking, listening, and viewing to prepare them for the literacy demands of college and careers. Students must earn 4 credits in English, as well as pass the English Regents Examination, administered at the end of the junior year, in order to fulfill graduation requirements in English. Studying a variety of high-quality literary and informational texts that are diverse in terms of cultural perspectives, time periods, and ideas about the human experience, students use evidence and reasoning to write increasingly complex arguments, analyses, and narratives. As they develop more nuanced perspectives, students appreciate literature and media as catalysts for inquiry and reflection, readying them to participate in a civil, democratic, and global society.

GRADE	REGENTS	ADVANCED and HONORS
9	English 1	—
10	English 2	English 2 Honors
11	English 3	English 3 Honors, AP English Language and Composition, AP Capstone Seminar
12	Senior Electives	AP English Literature and Composition AP Capstone Research, SUPA College Academic Writing ☆☆ SUPA College Academic Reading ☆☆
Half Year Senior Electives		Full Year Senior Electives
African American Literature Creative Writing Fairy Tale - Literary Context Immigrant Experience Latin Literature Literature and Psychology Speech Communication Mystery		From Page to Screen 1* From Page to Screen 2 Journalism Introduction to College English
		☆☆This is a SUPA course. Credit is offered through the Syracuse University Project Advance (SUPA) program. *Can be taken as a Junior elective only as an additional elective while taking an 11th grade English course

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3101 - ENGLISH 1

Offered in grade(s): 9

Credit: 1.00 **Weight:** 1.05

Ninth grade Regents classes address the curricular imperatives and literacy standards implicit in the demands of the Common Core Regents examination. The literature component of the course focuses on teaching students how to read and interpret various genres – novels, plays, short stories, and poems – within the context of several connective themes. The writing component builds to the evidence based claim. Writing begins with the single paragraph which leads to the development of the multi-paragraph essay in which thesis-support concepts are central. A thorough review of grammar, syntax, and sentence combining techniques occurs within the context of the writing program.

3201 - ENGLISH 2

Offered in grade(s): 10

Prerequisite(s): English 1

Credit: 1.00 **Weight:** 1.05

The tenth grade curriculum reinforces and expands upon those skills introduced in grade nine. The literature component of the course continues to emphasize the reading of novels, plays, short stories, poems, and selected nonfiction and seeks to further students' ability to draw independent but supportable conclusions from the text. In addition, students examine how authors use specific literary techniques to develop key themes and concepts. Grade 10 continues to review topics in grammar, syntax, and sentence combining with a special emphasis on usage and diction.

3260 - ENGLISH 2 HONORS

Offered in grade(s): 10

Prerequisite(s): English 1

Credit: 1.00 **Weight:** 1.10

For students who enjoy reading and interpreting texts independently, and have demonstrated superior ability in literary analysis and written response on the qualifying examination and in their freshman English class, this class will hone oral and written communication skills through the intensive study of poetry, drama, short and full-length fiction, and nonfiction. Assignments will inspire intellectual independence and refine written expression. Students will be expected to read and write extensively.

3300 - ENGLISH 3

Offered in grade(s): 11

Prerequisite(s): English 2 (Regents Exam Required)

Credit: 1.00 **Weight:** 1.05

Grade 11 provides extensive reinforcement of those introduced language arts skills required for the Examination in English Language Arts. The curriculum introduces students to the periods, movements, and forms of American literature, placing special emphasis on the critical reading of major American authors. The writing program focuses on the document based argument essay and shorter literary analysis study which reflect the tasks on the Regents examination and comparative essays which reflect the tasks on the Regents assessment.

3360 - ENGLISH 3 HONORS

Offered in grade(s): 11

Prerequisite(s): English 2 and Teacher Recommendation (Regents Exam Required)

Credit: 1.00 **Weight:** 1.10

For students who have demonstrated superior ability both on the qualifying examination and in their sophomore English class, eleventh grade Honors English provides an in-depth examination of American

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thought and culture through literature. The course will emphasize the development of sophisticated critical skills through close textual analysis and well-honed written exposition.

3333 - AP CAPSTONE SEMINAR

Offered in grade(s): 11

Prerequisite(s): Teacher recommendation. (Regents Exam Required)

Credit: 1.00 **Weight:** 1.10

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence based arguments. Students are required to take the AP Exam in May.

3335 - AP CAPSTONE RESEARCH

Offered in grade(s): 12

Prerequisite(s): Teacher recommendation. Recommendation: Previously taken AP Statistics or will take it during senior year.

Credit: 1.00 **Weight:** 1.10

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a year-long investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000 to 5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. Students are required to take the AP Exam in May.

3375 - AP ENGLISH LANGUAGE

Offered in grade(s): 11

Prerequisite(s): Teacher Recommendation (AP Exam Required)

Credit: 1.00 **Weight:** 1.10

The AP English Language and Composition course is designed to help students become skilled readers of prose written in a variety of rhetorical contexts and to become skilled writers who compose for a variety of purposes. Both writing and reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing.

3475 - AP ENGLISH LITERATURE AND COMPOSITION

Offered in grade(s): 12

Prerequisite(s): Teacher recommendation (AP Exam Required)

Credit: 1.00 **Weight:** 1.10

This is a college level course open by invitation to those students whom the department deems ready. Advanced Placement English involves students in the examination of the various literary genres: poetry, drama, the short story, the novel, and expository literature. In class discussion and in analytical writing,

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students are responsible for accurate reading and interpretation of literature, for arriving at opinions about what they have read, and for being prepared to present and defend these opinions.

3400 - INTRO TO COLLEGE ENGLISH

Offered in grade(s): 12

Prerequisite(s):

Credit: 1.00 **Weight:** 1.00

Step Up: Introduction to College English takes the place of a traditional 12th grade ELA course for high school credit, and is designed for students as a rigorous, project-based course in which students build their writing, research and reading skills in preparations for college-level English.

3418 - AFRICAN AMERICAN LITERATURE

Offered in grade(s): 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

This course will consider the predominant themes in African – American literature. Students examine African literature, slavery and the Abolitionist movement, the period of Reconstruction through 1915, the Harlem Renaissance, the literature of the 1930's through the 1940's, the Civil Rights movement, and modern African American literature.

3442 - FROM PAGE TO SCREEN 1

Offered in grade(s): 11, 12

Prerequisite(s):

Credit: 1.00 **Weight:** 1.00

From movies to news stories, PSA's to documentaries, your phone is a powerful device. This class is for the beginner to the expert. If you are a beginner, you will learn the basics about what a story arc is, how to create a treatment and storyboard, and basic movie making skills (including filming and editing). If you are advanced, this class is meant to be a space to work on your individual projects. Class meets every other day, yet requires separate, independent work.

3444 - FROM PAGE TO SCREEN 2

Offered in grade(s): 11, 12

Prerequisite(s):

Credit: 1.00 **Weight:** 1.00

Students with an interest in film analysis, narrative film, and documentary making will continue to build on the skills learned and developed in From Page to Screen 1. Students will be challenged to continue to develop their understanding of plot structure and story arc, with the specific objective to build upon their understanding of the role conflict plays in a script. Additionally, students will be asked to communicate to an audience through the visual elements of film.

3445 - MYSTERY

Offered in grade(s): 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

In this course, students will hone active reading and critical thinking skills through the literature of mystery genre. They will read mystery poems, short stories, and full-length classic and modern texts and will respond to those texts in various forms of writing. Students will be trained to solve mini-mysteries and to extract and follow both straight and circuitous trails of clues.

3450 - CREATIVE WRITING

Offered in grade(s): 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

This course will introduce students to the idea of real workshop skills as they fashion original writing in a variety of genres. As a part of a community of writers, pupils will respond to a spectrum of writing prompts, learn and apply proofreading and editing skills and produce original works of which they might be proud.

3455 - JOURNALISM

Offered in grade(s): 10, 11, 12

Prerequisite(s):

Credit: 1.00 **Weight:** 1.00

This full-year course will provide students with a solid foundation in practical journalism skills as well as insights into some common ethical issues that reporters confront. Through in-class discussion, written assignments, peer editing, analysis of trends in the news and simulated media experiences, students will learn: where to find information, interviewing techniques, how to deal with and evaluate sources, how to organize stories, how to communicate concisely and clearly, and the fundamentals of writing in the news genre.

3460 - SPEECH / COMMUNICATIONS

Offered in grade(s): 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

This course provides an introduction to basic communication theory. Students will study and present informative, persuasive, celebratory, and demonstrative speeches that provide an introduction to basic communication theory. Techniques for presenting informative, persuasive and demonstration speeches are introduced and practiced. Problem-solving techniques, interview strategies and conference behaviors help students to master those interpersonal skills that promote success in higher education as well as on the career path.

3462 - LITERATURE & PSYCHOLOGY

Offered in grade(s): 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

This course is interdisciplinary in nature using Psychology and Literature as windows into human experience. Specific psychological theory and family systems analysis will be used to explore and explicate novels, short stories and poetry. The central focus of this course will help students apply a broader and deeper context in which to understand literature. It will further assist students in their critical thinking abilities by providing different ways of thinking and conceptualizing human experience (psychodynamics and family dynamics) through a narrative construct.

3465 - FAIRY TALE - LITERARY CONTEXT

Offered in grade(s): 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

In this half-year course, students will explore fairy tales in their original forms as well as their modern versions. Students will read the traditional versions of the fairy tales as they have been recorded across many cultures. Once familiar with these origins, students will reexamine how modern authors have

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embraced, discarded and transformed these tales. Through the examination of various tales and scholarly criticism, students will become familiar with what defines a fairy tale, its traditions, archetypes and motifs. In addition, students will examine the greater social, psychological, historical and even political themes hidden within these stories. Finally, students will examine how the fairy tale's structure is alive and well in contemporary literature.

3482 - IMMIGRANT EXPERIENCE

Offered in grade(s): 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

This half-year course will encompass an examination of literature and film about the immigrant experience in the United States. Students will read, discuss, and write about contemporary American immigrant literature and related texts from other disciplines becoming conversant in issues surrounding immigration to the United States and how authors respond to them in literature.

3490 - SUPA COLLEGE ACADEMIC WRITING

Offered in grade(s): 12

Prerequisite(s): Teacher recommendation

Credit: 0.50 **Weight:** 1.10

SUPA Academic Writing is an intensive writing course, using writing as a means of discovering and evaluating ideas for various academic audiences. This course is designed for students who wish to concentrate on writing beyond the literary context and develop their collegiate writing and thinking methods. Students will learn concrete analytical and rhetorical writing strategies. This is a dual enrollment college course offered through Syracuse University, and students paying the (discounted) fee for SU credit will receive a Syracuse University transcript. Upon successful completion of the course, students may earn three college credits.

3497- SUPA COLLEGE ACADEMIC READING

Offered in grade(s): 12

Prerequisite(s): Teacher recommendation

Credit: 0.50 **Weight:** 1.10

SUPA Academic Reading explores the construction and representation of 'gender,' especially as it affects the production and reception of literary and other cultural texts.

To examine the ways in which literature participates in the social reproduction of gender, as well as the difference that gender makes in the production and reception of literary texts, students will practice extensive close reading, evidence-based analysis and argumentation, and independent-inquiry.

3584 - LATINX LITERATURE

Offered in grade(s): 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

This course celebrates the stories of the Latinx population in the United States through a variety of genres including short stories, memoirs, novels, poetry, and personal essays. Latinx Literature will cover such subjects as family, individual aspirations, personal challenges, and social and economic struggles. It is designed for students who enjoy literature and are curious to explore the Latinx experience.

HEALTH AND PHYSICAL EDUCATION

The well-articulated New Rochelle High School comprehensive health and physical education program is designed to engage students in authentic learning experiences that develop the physical, social, emotional and cognitive skills necessary for all students to make healthy and responsible choices regarding their personal wellness. The conceptual framework is based upon the newly updated 2020 NYS Standards. Students are expected to:

- demonstrate competency in a variety of motor skills and movement patterns.
- apply knowledge of concepts, principles, strategies, and tactics related to movement and performance.
- demonstrate the knowledge and skills to achieve and maintain a health-enhancing level of physical activity and fitness.
- exhibit responsible personal and social behavior that respects self and others.
- recognize the value of physical activity for overall wellness, enjoyment, challenge, and/or self-expression.
- recognize career opportunities and manage personal and community resources related to physical activity and fitness to achieve and maintain overall wellness.

Please note:

1. All students must take a physical education course all four years of high school. Two credits of physical education are required for graduation.
2. Swimming is a requirement for graduation at New Rochelle High School. Students will be required to complete a unit of swimming PE 9-10.
3. NYS requires that all students complete a semester or ½ credit of Health in order to graduate.

ATHLETIC OPTION

Varsity athletes (grades 10-12) and upperclassmen (grades 11-12) playing junior varsity sports are eligible to receive credit for physical education for the time period in which they are engaged in an after-school sport. Students are approved for Athletic Option once they have successfully:

1. Completed the on-line registration for athletics through FamilyID
2. Submitted the necessary medical documentation to participate in a team try-out
3. Been added to a team roster

Eligible student-athletes will have the option to be released from their physical education class during the following quarters:

- Fall Sports - released MP 1
- Winter Sports - released MP 2
- Spring Sports - released MP 4

NOTE: There will be no release for Athletic Option during MP3. All students are expected to attend PE class for MP3, regardless of their participation in an after-school sport.

HEALTH AND PHYSICAL EDUCATION

PHYSICAL EDUCATION COURSES

8402 - 9TH GRADE P.E.

Offered in grade(s): 9

Prerequisite(s):

Credit: 0.50 **Weight:** Unweighted

Students in 9th grade will learn to apply the health-related fitness knowledge to a variety of lifetime fitness sports. These sports include, but are not limited to golf, tennis, volleyball, soccer, football and badminton. The class will also include outdoor education pursuits such as archery. The class is designed to help students develop an appreciation of an active lifestyle through sports and physical activity. This course includes the fundamentals of the above-mentioned sports as well as the foundational principles of fitness, and the technical terminology and cues specific to each sport. In addition, this course focuses on teamwork and uses the Sports Ed Model.

8410 - 10 - 12 P.E.

Offered in grade(s): 10, 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** Unweighted

Students will learn to apply health-related and skill-related fitness to a variety of lifetime and recreational sports. These sports include, but are not limited to soccer, football and badminton, group games, frisbee, lacrosse and pickleball. The class will also include outdoor education pursuits such as archery. The class is designed to help students explore a variety of sports and recreational activities that will support an active lifestyle. Students will reflect on how to balance a career with physical activity to support all aspects of a healthy mind and body. This course includes the foundations of nutrition, fitness principles, advanced team skills and strategies and career education in the field. This course focuses on teamwork and uses the Sports Ed Model.

8412 - CULTURAL DANCE EDUCATION

Offered in grade(s): 10, 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** Unweighted

This course is offered in grade(s): 10, 11, 12 Credit: 0.50. This course provides students with exposure to a variety of dance styles that pull from latin dance such as bachata, merengue, Salsa, Flamenco, and Cumbia. As well as other cultural dances like Samba, Bhangra, Afro Dance, and folk. Students will learn about the history of the dance and music and take part in teacher and student led choreography projects. All dance levels are encouraged. This course will include fundamental choreography, dance terminology and technique associated with the cultural dances explored. The class will also help students develop strength, balance and coordination.

8401 - A.M. PHYSICAL EDUCATION

Offered in grade(s): 11, 12 ONLY

Prerequisite(s):

Credit: 0.50 **Weight:** Unweighted

Students will learn to apply health-related and skill-related fitness to a variety of lifetime and recreational sports. These sports include, but are not limited to soccer, football and badminton, group games, frisbee, lacrosse and pickleball. The class will also include outdoor education pursuits such as archery. The class is designed to help students explore a variety of sports and recreational activities that will support an active lifestyle. Students will reflect on how to balance a career with physical activity to support all

HEALTH AND PHYSICAL EDUCATION

aspects of a healthy mind and body **Offered during the A.M. class period. Please note students must be ready for class by 7:22 am.**

8407 - ADAPTED PHYSICAL EDUCATION

Offered in grade(s):

Prerequisite(s): Indicated as part of a student's IEP (Special Education only)

Credit: 0.50 **Weight:** Unweighted

Adapted Physical Education is a specifically designed program of developmental activities, games, sports, and psychomotor skills suited to the interest, capacities, and limitations of students with handicapping conditions who may not safely or successfully engage in unrestricted participation in the regular physical education program. Medical, emotional/social, and learning factors may require a student to participate in this program. This course is designated through an IEP.

8414 - DANCE 2 THE MUSIC

Offered in grade(s): 10, 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** Unweighted

This course begins with full body warmup, stretching, muscular conditioning, and then utilizes simple choreography in a series of fast paced aerobic dances to improve cardiovascular endurance. The class will incorporate footwork and body movements from a wide variety of dances including hip hop, reggaeton, Latin, and jazz.

This course will include upbeat choreography and athletic movements and expressions that support balance, strength, coordination and flexibility. Students will use dance as a means to focus on health-related fitness.

8424 - THE BASKETBALL BREAKFAST CLUB

Offered in grade(s): 10,11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** Unweighted

This course is for all levels including the pick up player who wants to have fun and take his game to the next level or the beginner who wants to try something new. The course will emphasize the fundamentals of basketball such as ball handling, shooting, passing and strategies that will increase the player's IQ.

This class will be held during A.M. period only.

This course integrates speed training, applied nutrition, strategic plays, defense tactics, and team management skills.

8430 - YOGA AND PILATES

Offered in grade(s): 10, 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** Unweighted

Yoga is a system of physical and mental exercises designed to balance and unite the mind and body. The philosophy of Yoga is that by balancing your body, you learn to focus better and thus improve your health and well-being. Pilates also emphasizes the balanced development of the body through core strength, flexibility, and awareness. The benefits are that the student becomes stronger, leaner and better able to do activities with ease and grace. All exercises are developed with modifications that can make a workout safe and challenging at any level. Proper nutrition will also be discussed throughout the semester.

This course integrates Vinyasa yoga, core pilates, and barre workouts. In addition students will use resistance bands, jump ropes, and pilates rings.

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8429 - AM YOGA AND PILATES

Offered in grade(s): 10, 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** Unweighted

This course is the same as 8430 YOGA AND PILATES, but is offered during the AM period.

8436 - BOUTIQUE FITNESS

Offered in grade(s): 10, 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** Unweighted

This course provides students with a studio-based group exercise experience as if they attended a boutique gym. Students will be exposed to a variety of physical activities that are typically offered in a small group training session at a gym that specializes in a particular brand of exercise.

This course integrates cardio kickboxing, Vinyasa yoga, core pilates, barre, Zumba, bootcamp & HIIT training. In addition students will use an assortment of equipment such as free weights, resistance bands, physio balls, steppers, jump ropes, and pilates rings.

8437 - STRENGTH TRAINING AND CONDITIONING

Offered in grade(s): 10, 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** Unweighted

The emphasis in this course is on muscular strength, endurance, flexibility, and safety. This course takes place in the weight room. Students will learn the fundamentals of resistance training and how to use a variety of apps to support a lifestyle of fitness. Students will also learn safety procedures when lifting weights, the principles of fitness and how to create their own workout plan. The main goal of this course is to give each student the knowledge and confidence to continue their fitness journey beyond their years at NRHS.

This course includes several training programs from the PLT4M program app. This course integrates physical activity, fitness and technology.

8438 - HOLISTIC WELLNESS

Offered in grade(s): 10, 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** Unweighted

This course is designed to give students the opportunity to learn about “mindfulness meditation”, nutrition, and the 5 principles of Fitness: flexibility, body composition, cardiovascular endurance and muscular strength and muscular endurance. Students will also learn how to manage the stress response and the importance of rest. Ideally this class will meet in the wrestling room. Students will be empowered to make wise choices, meet challenges, develop positive behaviors in relation to fitness, wellness, and contribute to a safe and healthy environment.

This course includes several training programs from the PLT4M program app. This course integrates physical activity, yoga, and journaling.

HEALTH AND PHYSICAL EDUCATION

HEALTH EDUCATION COURSES

8500 - HEALTH EDUCATION

Offered in grade(s): 11, 12 (Priority given to seniors)

Prerequisite(s):

Credit: 0.50 **Weight:** 1.0

Health Education is a semester course required for graduation. The curriculum is comprehensive and skill based and designed to motivate students and help them maintain and improve their overall health, prevent disease, and reduce their health-related risk behaviors. Topics included are: Health Education is required by NYS. Home instruction and independent study are not an option to receive credit. NYS allows students to request an alternative curriculum regarding the transmission of sexually transmitted diseases ONLY. Requests for alternative curriculums must be directed to the District Chairperson for Health and Physical Education.

8505 - A.M. HEALTH EDUCATION

Offered in grade(s): 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.0

The A.M. Health Education curriculum covers all conceptual areas as listed in the regular Health Education course 8500. Please note this class is a first come first admitted basis for seniors only up to a maximum of 68 students. No exceptions. All students must take Health as part of the NYS graduation requirement. Students, who are not scheduled for AM Health, will be programmed for a Health class during the regular day accordingly.

8510 - WOMEN'S HEALTH

Offered in grade(s): 11, 12

Prerequisite(s):

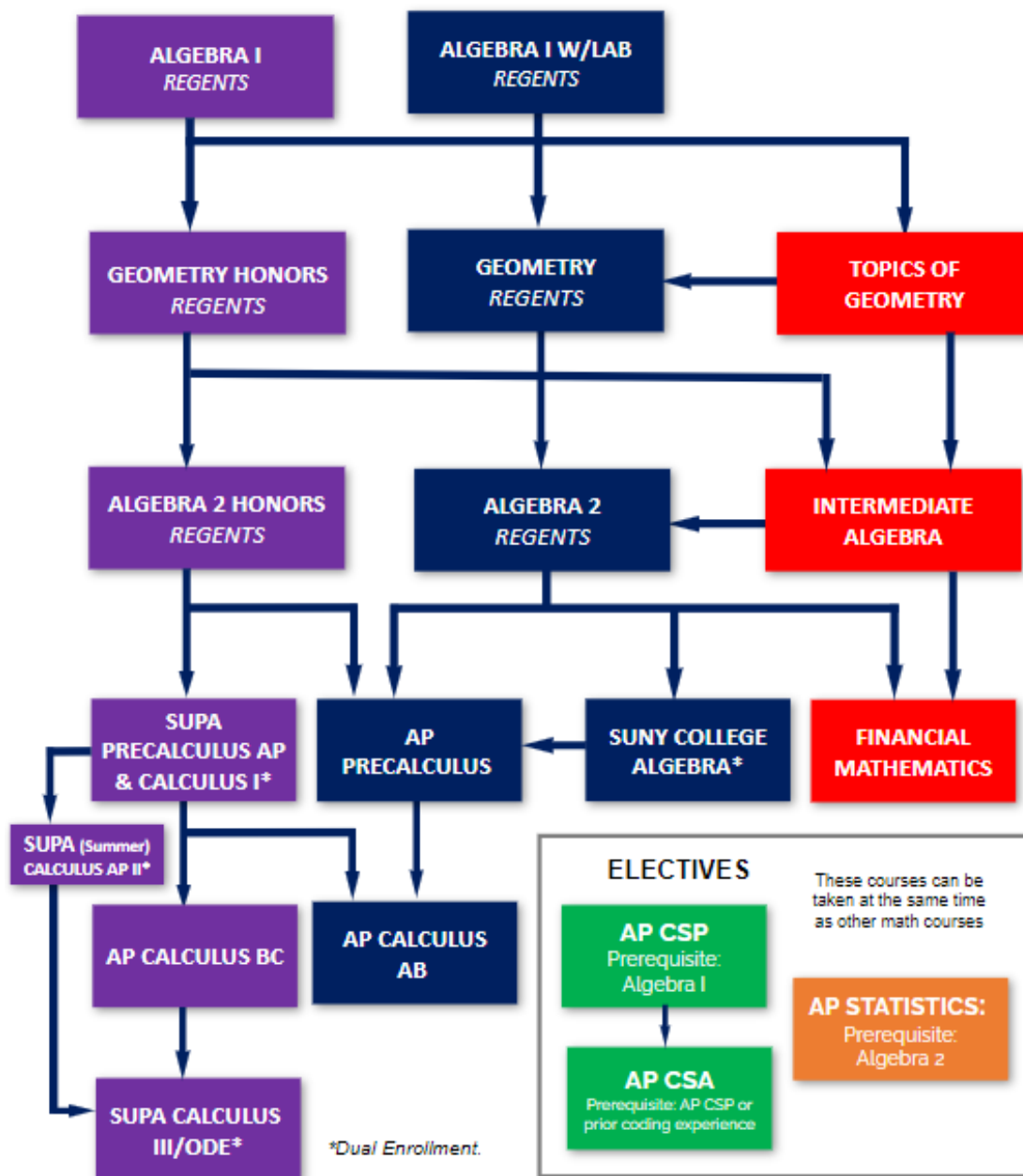
Credit: 0.50 **Weight:** 1.0

Women's health is the catalyst to women empowerment. Women empowerment will elevate the future of teen girls' lifestyle, prevention, and safety. Within this course, students will be able to enhance their knowledge and comprehension regarding women and health. Topics focus on health promotion to increase a woman's social, emotional, and physical well-being. Units, objectives, and discussions follow NYS and National Health Education standards. This course is applicable to ALL students in grades specified.

Please note: this class will satisfy the .5 Health course requirement.

MATHEMATICS

The New Rochelle High School Mathematics program is designed to provide all students with the opportunities to acquire problem-solving and critical thinking skills requisite for functioning in an information-based society. All courses focus on the achievement of the *New York State Next Generation Mathematics Learning Standards* that have been established by the New York State Department of Education. Students will be expected to obtain mastery in study at each level in order to become confident in their ability to do mathematics and become competent problem solvers before progressing to the next level of study. All of the concepts in the mathematics curriculum combine the use of various forms of technology with standard analytical techniques. The program nurtures a productive disposition toward mathematics, challenges all learners, and supports further investigations in the field through advanced level work.



*These are dual enrollment courses. Credit is offered through SUNY/Westchester Comm. College (SUNY) or Syracuse University (SUPA). Students pay a discounted fee, and pass the requisite examinations to earn college credit from our university partners.

**Computer Science courses count as math electives, but are listed in the Technology Dept. catalog

MATHEMATICS

4030 - ALGEBRA I

Offered in grade(s): 9, 10

Prerequisite(s): None

Credit: 1.00 **Weight:** 1.05

This course provides instruction designed to prepare students for the Regents Examination in Algebra I (Common Core). Algebra I builds students' command of linear, quadratic, and exponential relationships. Students learn through discovery, technology, and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations. Course topics include problem-solving with basic equations and formulas; Introduction to Functions and Problem solving; Linear Equations and Systems of Linear equations; exponents and exponential functions; sequences and functions; descriptive statistics; absolute value and inequalities; polynomials and factoring; quadratic equations and functions. The curriculum culminates in the Algebra I Regents Examination (June).

4035 - ALGEBRA I (WITH LAB)

Offered in grade(s): 9

Prerequisite(s): Departmental recommendation

Credit: 1.00 **Weight:** 1.05

This course is the same as 4030 ALGEBRA I, but includes an additional lab period every other day for increased support. Only offered in Grade 9. This curriculum culminates in the Algebra I Regents Examination (June).

4100 - GEOMETRY

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Algebra I

Credit: 1.00 **Weight:** 1.05

This course provides instruction designed to prepare students for the Regents Examination in Geometry. Course topics include: Congruence; Rigid Motion; Similarity, Right Triangles and Trigonometry; Expressing Geometric properties with Equations; Circles; Modeling with Geometry. This course is required for the advanced Regents diploma and culminates in the Geometry Regents Examination (June).

4105 - GEOMETRY HONORS

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Algebra I

Credit: 1.00 **Weight:** 1.10

This honors course includes a deeper exploration of additional cluster standards of course 4100 including: Circles; Proofs, Translating between the geometric description and the equation for a conic section; Geometric Measurement and Dimensions. Instruction is designed to prepare students for the Regents Examination in Geometry (June).

4055 - TOPICS IN GEOMETRY

Offered in grade(s): 10, 11

Prerequisite(s): Algebra I

Credit: 1.00 **Weight:** 1.0

This non-Regents course examines specific topics of geometry while building on students' algebraic foundations. Students in this course will explore the tools of geometry, linear relationships, rigid motion, similarity, and area volume concepts.

MATHEMATICS

4200 - INTERMEDIATE ALGEBRA

Offered in grade(s): 10, 11, 12

Prerequisite(s): Topics of Geometry or Geometry

Credit: 1.00 **Weight:** 1.00

The first course of a two-year sequence aligned to Algebra II. This course supports students in building on and developing their Algebraic skills. Topics include: Equations and inequalities, functions and relations, systems, quadratics, polynomials, inverses, and radicals. Note: This course is aligned to Algebra II, but does not prepare students for the Algebra II regents. Students who take this course are expected to retake the Algebra I Regents for a higher score (January).

4202 - ALGEBRA II

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Algebra I and Geometry (or co-requisite)

Credit: 1.00 **Weight:** 1.05

This course provides instruction designed to prepare students for the Regents Examination in Algebra II. Course topics include: Polynomial, Rational, and Radical Relationships; Trigonometry; Exponential and Logarithmic Functions; Statistical Inferences, Conclusions and Probability. This course is required for the advanced Regents diploma and culminates in the Algebra II Regents Examination. (June)

4205 - ALGEBRA II HONORS

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Algebra I and Geometry (or co-requisite)

Credit: 1.00 **Weight:** 1.10

This honors course includes a deeper exploration of additional cluster standards of course 4202, including: The complex number system; using polynomial identities; matrices and vectors; conic sections; trigonometric functions; conditional probability and the rules of probability. Students will have limited access to a calculator in this course. Instruction is designed to prepare students for the Regents Examination in Algebra II (June).

4330 - SUNY COLLEGE ALGEBRA

Offered in grade(s): 10, 11, 12

Prerequisite(s): Algebra II

Credit: 1.00 **Weight:** 1.10

Topics in algebra and trigonometry include: linear functions, algebra of functions, domain and range of functions, complex numbers, quadratic functions, radical and absolute value equations, linear inequalities, polynomial division, exponential and logarithmic functions, graphing calculator applications, trigonometric functions, and applications of right triangles, circular functions, and graphs of trigonometric functions. The curriculum culminates in a final examination (June).

4403 - FINANCIAL MATHEMATICS

Offered in grade(s): 11, 12

Prerequisite(s): Intermediate Algebra

Credit: 1.00 **Weight:** 1.0

In this course, students will engage with real world financial applications. Students will explore one core personal finance topic each unit and deepen their understanding of the connected mathematics that relates. This course will address the following financial and mathematical topics: taxes and percentages, checking and saving, linear systems of equations and inequalities, budgeting, investing, credit, exponential functions, paying for college and statistics.

4434 - AP PRECALCULUS

Offered in grade(s): 10, 11, 12

Prerequisite(s): Algebra II or College Algebra

Credit: 1.00 **Weight:** 1.10

AP Precalculus is designed to be the equivalent of a first semester college precalculus course. This course explores a variety of function types and their applications—polynomial, rational, exponential, logarithmic, trigonometric, polar, parametric, vector-valued, implicitly defined, and linear transformation functions using matrices. The study of polynomial, rational, exponential, logarithmic, trigonometric and polar functions. This course is designed to prepare students for success in a college calculus I course. Additional topics include (not on AP exam): Functions Involving Parameters, Vectors, and Matrices. Students will have limited access to a graphing calculator. Students are required to take the AP Precalculus Examination (May).

4441 - SUPA PRECALCULUS AP & CALCULUS I

Offered in grade(s): 10, 11, 12

Prerequisite(s): Algebra II Honors

Credit: 1.00 **Weight:** 1.10

The study of polynomial, rational, exponential, and logarithmic equations, functions and their graphs; analytical trigonometry, trigonometric functions and complex numbers; Matrices and Determinant; analytic geometry; Limits; Continuity; Derivatives and Applications of Derivatives; Review of Conic Sections; Definite Integral and Applications of the Definite Integral. This is a non-calculator based course; students will have limited access to a calculator. The curriculum culminates in a Precalculus final examination (January) and SUPA Calculus I final examination in the spring (June). *Students in this course may also take the AP Precalculus exam in May.*

4445 - AP STATISTICS

Offered in grade(s): 10, 11, 12

Prerequisite(s): Algebra II

Credit: 1.00 **Weight:** 1.10

The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. Students are required to take the AP Statistics Examination (May).

4450 - AP CALCULUS AB

Offered in grade(s): 11, 12

Prerequisite(s): Precalculus

Credit: 1.00 **Weight:** 1.10

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Students are required to take the AP Calculus AB Examination (May).

4459 - SUPA CALCULUS II

Offered in grade(s): 11, 12 (Summer)

Prerequisite(s): SUPA Precalculus/Calculus I or AP Calculus AB

Credit: 1.00 **Weight:** 1.10

This course is equivalent to the second term of the first-year calculus sequence required of all science and engineering students at Syracuse University. The exponential logarithm and inverse trigonometric functions are defined, and their calculus developed. Topics covered in the course include: separable and linear differential equations, especially as they relate to exponential growth; L'Hopital's rule and limits of indeterminate forms, with applications to improper integrals; techniques of integration including: by parts, by partial fractions, and by trigonometric substitution; a brief introduction to calculus in polar coordinates and calculus of parametric curves; infinite sequences, convergence and divergence; infinite series, ratio test, root test, comparison test, integral test and alternating series test; power series and computations with power series, radius of convergence; and Taylor and Maclaurin series. This is a non-calculator based course; students will have limited access to a calculator. The curriculum culminates in a SUPA Calculus II final examination (August).

4460 - AP CALCULUS BC

Offered in grade(s): 11, 12

Prerequisite(s): SUPA Precalculus/Calculus I or AP Calculus AB

Credit: 1.00 **Weight:** 1.10

AP Calculus BC is roughly equivalent to both first and second semester college calculus courses. It extends the content learned in AB to different types of equations (polar, parametric, vector-valued) and new topics (such as Euler's method, integration by parts, partial fraction decomposition, and improper integrals), and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students are required to take the AP Calculus BC Examination (May).

4495 - SUPA CALCULUS III AND ORD. DIFFERENTIAL EQUATIONS

Offered in grade(s): 12

Prerequisite(s): Calculus II or AP Calculus BC (or Co-requisite)

Credit: 1.00 **Weight:** 1.10

The third course in a three-course sequence in calculus designed for students interested in studying mathematics, science and engineering in college. During the first half of the year, students will explore the following concepts: vectors, vector-valued functions, functions of several variables, partial derivatives, and multiple integration. The second half of the year will include: analytic and qualitative aspects of first-order differential equations (linear and nonlinear), second order linear equations, Laplace transforms, and systems of first order linear equations. The curriculum culminates in a SUPA Calculus III final examination in the fall (January) and Ordinary Differential Equations final examination in the spring (June).

PERFORMING AND VISUAL ARTS

The Performing and Visual Arts Department presents opportunities for students to broaden their interests in the arts by acquiring knowledge, understanding, and appreciation of civilization's artistic, cultural, and intellectual accomplishments and developing skills to express personal artistic talents. To realize their fullest potential, students need to be exposed to many kinds of knowledge and different ways of knowing their world and expressing their ideas. Art, music, dance, and theater communicate thoughts and feelings through visual forms, sounds, and movements. New York State requires all students to earn at least one unit of credit in music and/or art. Dance and theater/acting have been approved by NY State to fulfill the Fine Arts graduation requirement.

VISUAL ARTS COURSES

The Visual Arts curriculum focuses on the necessary skills, concepts, and artistic traditions that allow students to achieve their potential within each art discipline and provides a shared common cultural experience. The curriculum encompasses well-established methods, processes, outcomes, contemporary approaches, subject matter, and themes. It includes introductory opportunities for the novice learner and a progression of courses in drawing and painting, sculpture, clay, graphic design, and photography for the advanced student. The comprehensive program in Visual Art allows the opportunity for students to build a portfolio. Students will have a solid foundation to pursue post-secondary programs with confidence, well-developed problem-solving skills, and refined higher-order thinking abilities.

VISUAL ARTS ELECTIVES Prerequisite: Studio in Art (1 credit)	
Computer Graphics I, II	Ceramics I, II, III
Drawing and Painting I, II, III	Photography I, II
Printmaking and Illustration	AP 2-D Art and Design
Sculpture I, II, III	AP 3-D Art and Design
AP Drawing	AP Art History*

*AP Art History is offered through the Social Studies Department. Please see the Social Studies Department course listings for additional information.

6500 - STUDIO IN ART

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s):

Credit: 1.00 **Weight:** 1.00

Studio in Art is a full-year comprehensive foundation course. It aims to promote four kinds of learning: 1. Learning to be aesthetically aware and sensitive to a broad range of visual forms. 2. Learning from works of art or art criticism. 3. Learning about works of art or art history. 4. Learning the skills, concepts, and techniques of art making; freeing the imagination, enhancing creativity; and providing an in-depth study of the Elements of Art and Principles of Design. This is a required course for Art Majors and a prerequisite for art electives.

PERFORMING AND VISUAL ARTS

6505 - DRAWING & PAINTING I

Offered in grade(s): 10, 11, 12

Prerequisite(s): Studio in Art

Credit: 1.00 **Weight:** 1.00

This course introduces the fundamentals and materials of drawing and painting. While there is an emphasis on observational drawing and acrylic painting, students may also be introduced to watercolor and a wide variety of drawing and painting surfaces. The subject matter varies, including still life, portraits, landscape, figurative work, and abstraction.

6506 - DRAWING & PAINTING II

Offered in grade(s): 11, 12

Prerequisite(s): Drawing and Painting

Credit: 1.00 **Weight:** 1.00

This course is designed to further the student's accumulated visual experience with two-dimensional artworks. Students will explore new and mixed media drawings and paintings, working from observation and imagination. Studies of composition, color theory, art history, and contemporary art will be included.

6509 - DRAWING & PAINTING III

Offered in grade(s): 12

Prerequisite(s): Drawing and Painting II

Credit: 1.00 **Weight:** 1.00

This course is designed for students who have completed Drawing & Painting I and II and who wish to continue pursuing these disciplines on a higher level with more individualized projects.

6510 - PRINTMAKING AND ILLUSTRATION

Offered in grade(s): 10, 11, 12

Prerequisite(s): Studio in Art

Credit: 1.00 **Weight:** 1.00

This is a full-year course where students will be introduced to and explore the fundamentals, diverse media, and aesthetics, of real-world applications of printmaking and illustration. Studies will focus on monotype, calligraphy, and reduction block printing, as well as comics and nature illustrations. Students will demonstrate the ability to create a myriad of printmaking and illustrative art-making techniques, with varying subject matter from observation to imagination, to the ultimate form of self-expression through creative processes, which may include, but are not limited to, the carving of disparate surfaces.

6530 - SCULPTURE I

Offered in grade(s): 10, 11, 12

Prerequisite(s): Studio in Art

Credit: 1.00 **Weight:** 1.00

Sculpture I is the introductory course into basic design principles and their application to three-dimensional form and processes in real space. Emphasis is placed on the concepts of modeling, carving, and construction and the possibilities of more contemporary modes of expression. The exploration of diverse media for making a personal statement is equally emphasized. Materials used in this course are wood, plaster, paper, cardboard, metal, glass, and much more. A variety of power tools are used in this class. Studies in art history and contemporary artists (sculptors) will be included.

PERFORMING AND VISUAL ARTS

6531 - SCULPTURE II

Offered in grade(s): 11, 12

Prerequisite(s): Sculpture I

Credit: 1.00 **Weight:** 1.00

This course takes sculpture students to an intermediate level of working with additive, subtractive, and constructed techniques using a variety of materials. Materials used in this course are wood, plaster, paper, cardboard, metal, glass, and much more. A variety of power tools are used in this class. Contemporary as well as traditional modes of thought in sculpture will be examined. Students will design more individualized projects. A continued study of the history of art and contemporary artists (sculptors) will be included.

6532 - SCULPTURE III

Offered in grade(s): 11, 12

Prerequisite(s): Sculpture II

Credit: 1.00 **Weight:** 1.00

The advanced sculpture student will develop a personal style through the development of an in-depth series of works on one theme culminating in a large-scale masterwork. Advanced studies in art history will be explored through books, internet research, publications, and visits to art galleries. Materials used in this course are wood, plaster, paper, cardboard, metal, glass, and much more. A variety of power tools are used in this class.

6545 - CERAMICS I

Offered in grade(s): 10, 11, 12

Prerequisite(s): Studio in Art

Credit: 1.00 **Weight:** 1.00

The beginning ceramic student will focus on all aspects of ceramics, expanding their basic knowledge of clay as an art medium. Techniques of hand-building pinch, coil, slab, drape molding, and throwing on the potter's wheel will be learned. Art history of ceramics and contemporary artists will be studied.

6546 - CERAMICS II

Offered in grade(s): 11, 12

Prerequisite(s): Ceramics I

Credit: 1.00 **Weight:** 1.00

The intermediate ceramic student will continue to develop skills in hand building, pinch, coil, slab, drape molding, and throwing on the potter's wheel. Refinement of form and larger pieces will be achieved. The student will experiment with different clay bodies and glazing techniques. Studies in contemporary ceramic artists will be explored through books, magazines, internet research, and visits to art galleries and museums.

6547 - CERAMICS III

Offered in grade(s): 12

Prerequisite(s): Ceramics II

Credit: 1.00 **Weight:** 1.00

The advanced student will further explore clay as an art medium developing skills in hand-building pinch, coil, slab, drape molding, and throwing on the potter's wheel working toward a professional level. There is a strong emphasis on creating a body of work, functionally or non-functionally. Glaze calculation will be learned, and the student will experience loading and firing the kilns.

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6565 - GRAPHIC DESIGN I

Offered in grade(s): 10, 11, 12

Prerequisite(s): Studio in Art

Credit: 1.00 **Weight:** 1.00

This is a one-year introductory course in the fundamentals of Graphic Design. This course integrates the elements of art learned in the Studio in Art pre-requisite class, while teaching students to create professional quality work through the design process. Students will be introduced to graphic programs such as Adobe Creative Suite's Photoshop, and Illustrator programs. The two primary objectives are: 1. Mastering the basic tools, keystrokes of each program, and the latest technology in hardware, and to manipulate and create unique images. 2. The investigation and understanding of the computer, which can be used as a tool and extension to more traditional means of creative expression such as drawing, painting, sculpture, and photography. Students will also study the history of Graphic Design as an art form regarding Fine Art, Commercial Art, Advertising, and Animation.

6566 - GRAPHIC DESIGN II

Offered in grade(s): 11, 12

Prerequisite(s): Graphic Design I

Credit: 1.00 **Weight:** 1.00

This course will further the design skills and techniques mastered and studied in Computer Graphics I. Programs used include Adobe Creative Suite, Photoshop and Illustrator. Projects will be based and focused more heavily in the Adobe Illustrator program while extending the design skill sets learned in Adobe Photoshop offered in the Graphics I course. This course introduces the Illustrator programs and bridges the gap between the different Adobe software. Students will use traditional (hand-drawn) and non-traditional (computer-generated) artwork to create new and original vector-based compositions of their design.

6590 - PHOTOGRAPHY I

Offered in grade(s): 10, 11, 12

Prerequisite(s): Studio in Art

Credit: 1.00 **Weight:** 1.00

A one-year introductory course on the fundamentals of photography. Objectives include: 1. Mastering the basic skills and techniques of black & white analogue photography, including the use of the camera, properties of light, film development and darkroom printing. 2. Digital photography and computer manipulation using Adobe Photoshop. 3. The investigation and understanding of photography as an art form of creative expression and personal vision. With these objectives as our guiding force, we will also study famous photographers and genres, develop our use of criticism as a tool for deeper understanding, and explore the discipline of aesthetics as it relates to photography and art.

6595 - PHOTOGRAPHY II

Offered in grade(s): 11, 12

Prerequisite(s): Photography I

Credit: 1.00 **Weight:** 1.00

A one-year course building on and refining the fundamentals of black and white and digital photography as covered in Studio in Photography I. The primary objective will be to continue our investigation and understanding of photography as an art form of creative expression and personal vision, with additional emphasis on the self-directed inquiry into more advanced camera use, film types and negative development, creative mastery of the printing process, alternative photographic techniques, and digital manipulation. Students study the history of photography, develop the use of criticism as a tool for deeper

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understanding and personal expression, and explore the discipline of aesthetics as it relates to photography and art.

The Advanced Placement Studio Art courses provide students the opportunities to work at a college level with the possibility to receive credit for their work at the college, university, or art school of their choice.

The primary requisite of all of the portfolios is the Sustained Investigation: a developed and comprehensive series of works based on an idea or theme. Each original student artwork is supported by written evidence and information as specified by the College Board.

The final portfolio culminates in May and is submitted digitally through the College Board Advanced Placement website.

6575 - AP DRAWING

Offered in grade(s): 10, 11, 12

Prerequisite(s): Studio in Art, at least one elective or PAVE Art and department approval.

Credit: 1.00 **Weight:** 1.10

Drawing Portfolio: The Drawing Portfolio addresses a broad interpretation of drawing issues and media. Mark-making is the overarching principle of the Drawing Portfolio. Investigation into the range of medias used to make marks, the arrangement of those marks, and physical manner in which those marks are made are paramount. Light and shade, line quality, rendering of form, composition, surface manipulation, and illusion of depth are drawing issues that can be addressed through any variety of media. Medias can range from painting, and printmaking, to digital formats, and even those of the 3rd dimension, Subject matter is unlimited: they may engage the abstract, the observational, or that of the imagination

6534 - AP 2-D Art and Design

Offered in grade(s): 10, 11, 12

Prerequisite(s): Studio in Art, at least one elective or PAVE Art and department approval.

Credit: 1.00 **Weight:** 1.10

Two-Dimensional Portfolio: This portfolio addresses a broad interpretation of two-dimensional (2-D) design issues. This type of design involves purposeful decision-making about how to use the elements and principles of art in an integrative way. The elements of design (line, shape, illusion of space, illusion of motion, pattern, texture, value, and color) are like a palette of possibilities that artists use to express themselves. The principles of design help artists decide how to organize the elements on a picture plane to communicate content. These principles include unity, variety, balance, emphasis, rhythm, and proportion/scale. A variety of approaches to representation, abstraction, and expression may be part of the student's portfolio. Students are asked to demonstrate proficiency in 2-D design using various art forms for this portfolio. These could include, but are not limited to, graphic design, typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking.

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6535 - AP STUDIO ART 3-D

Offered in grade(s): 10, 11, 12

Prerequisite(s): Studio in Art, at least one elective or PAVE Art and department approval.

Credit: 1.00 **Weight:** 1.10

Three-Dimensional Portfolio: Sculpture/Ceramics/Fiber Arts/ Fashion Design/Jewelry Making and any other media in the 3 dimension. This portfolio addresses a broad interpretation of sculptural issues in depth and space.

These may include mass, volume, form, plane, light, and texture. As they relate to the elements and principles of art and design, such elements and concepts may be articulated through additive, subtractive, and/or fabrication processes. A variety of approaches to representation, abstraction, and expression may be part of the student's portfolio.. Students are required to submit the AP Studio Art 3-D Examination portfolio, which is due in May.

DANCE COURSES

The study of dance promotes aesthetic sensitivity and provides an opportunity for students to experience intellectual, physical, emotional, and social growth. Students observe, respond, create and perform using the body as an instrument to communicate feelings, thoughts, and ideas. Students explore dance concepts and develop personal integrity by demonstrating critical thinking skills and core values. Dance education fosters positive student interaction and an appreciation for diverse points of view while establishing strong human bonds which transcend racial, ethnic, and socioeconomic barriers. The sequentially developed program presents a broad cultural and historical perspective, providing unique opportunities for cross-curricular connection.

6045 - PERFORMANCE DANCE

6048 - PERFORMANCE DANCE P.E.

Offered in grade(s): 9,10,11,12

Prerequisite(s): Acceptance and concurrent enrollment in PAVE Dance I or PAVE Dance II or Departmental Approval

Credit: 1.00 **Weight:** 1.00

This course is designed to provide an opportunity for students with significant previous dance experience and training to work and perform at a higher level. Performance Dance will have two main areas of focus. First, students will spend time delving deeper into, strengthening, and perfecting the techniques of ballet, modern jazz, tap, hip-hop, improvisation, and composition. Second, each class member will play an active role in developing a lecture/demonstration performance repertoire, which will be performed several times throughout the year. Performances will be arranged by the instructor and will take place not only at New Rochelle High School but throughout the district. This course serves as a PAVE elective and offers PAVE credit.

Note: Students who register for Performance Dance will concurrently be registered for Performance Dance PE. This will provide the student with .5 credit in art and .5 credit in PE. Students may still register for an additional PE class if they so choose, but the yearly requirement is satisfied through Performance Dance.

PERFORMING AND VISUAL ARTS

6047 - CHOREOGRAPHY

6044 - CHOREOGRAPHY P.E.

Offered in grade(s): 11-12

Prerequisite(s): Performance Dance

Credit: 1.00 **Weight:** 1.00

This is an introductory course in the art and craft of creating dances. Techniques to nurture the individual creative process will be explored, including movement improvisation, visual art imagery, chance procedures, musical influences, poetic imagery, group composition, site-specific work, and prop and costume studies. Coursework will include dancing, dance making, viewing dance, in-class discussions, and short writing assignments. The course will culminate in each student's creation and performance of a substantial body of work. This course is open to all PAVE Dance juniors and seniors who have completed two years of Performance class.

Note: Students who register for Choreography will concurrently be registered for Choreography PE. This will provide the student with .5 credit in art and .5 credit in PE. Students may still register for an additional PE class if they so choose, but the yearly requirement is satisfied through Performance Dance.

THEATER/ACTING COURSES

The Theater/Acting Program is designed to develop performance and production skills, creative collaboration, and aesthetic appreciation of theater at the highest possible level. The process of theater Arts study enhances the development of creative and critical thinking skills, affords opportunities to build individual and group work ethics, and increases achievement through individual and collective efforts. The Theater/Acting Program allows students to participate in co-curricular theaterWorks productions that allow for mastery and application of performance and production skills taught in Theater/Acting courses.

THEATER/ACTING ELECTIVES	
Introduction to Acting	Screenwriting & Filmmaking I, II
20th Century Musical Theater	Theater of Dramatic Literature
Theater of Shakespeare	Stagecraft

6080 - INTRODUCTION TO ACTING

Offered in grade(s): 9,10,11, 12

Prerequisite(s):

Credit: 1.00 **Weight:** 1.00

This course introduces fundamental acting skills. Students will study and acquire basic acting skills, including expression, diction, projection, movement and focal points, vocal modulation, character development, concentration and focus, and effective use of stage space through the study of scenes and monologues. They will learn the tools for creating precise, focused, relaxed, and playful relationships on stage through the study and presentation of basic scenes. Areas of study include the elements of stage production, forms of theater, and organization of productions. This class will present scenes in performance during the year. This course is designed for non-PAVE Acting students.

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6070 - SCREENWRITING & FILMMAKING I

Offered in grade(s): 9,10,11,12

Prerequisite(s): Priority is given to PAVE Acting students. A certain number of spots are available every year for sophomores, juniors and seniors interested in this subject as a non-PAVE elective.

Credit: 1.00 **Weight:** 1.00

In this workshop-style course, students will learn the fundamentals of playwriting and screenwriting through the writing of scripts bolstered using improvisational techniques. Emphasis will be placed on the development of action, conflicts, events, and theme. Throughout the year, students will complete a short film in collaboration with other students, the prose treatment of a short screenplay, and a series of short original film projects. The course will promote these learning goals; the expression of ideas, the exploration of individual creativity and the creative process, self-reflection and self-analysis, and the development of interpersonal skills. Students will learn the basics of filmmaking, editing and an understanding of microphones and lights.

6071 - SCREENWRITING & FILMMAKING II

Offered in grade(s): 10, 11, 12

Prerequisite(s): Successful completion of Screenwriting & Filmmaking 1, Departmental Approval.

Credit: 1.00 **Weight:** 1.00

In this workshop-style course, students will expand upon the fundamentals of playwriting and screenwriting through the writing of scripts and improvisational techniques. Emphasis will be placed on the development of action, conflicts, events, and theme. Throughout the year, students will refine their work in short films in collaboration with other students, the prose treatment of a short screenplay, through a series of original film projects. The course will promote these learning goals: the expression of ideas, the exploration of individual creativity and the creative process, self-reflection and self-analysis, and the further development of interpersonal skills. Students will learn the finer points of filmmaking, editing, and sound and lighting techniques.

6050 - 20TH CENTURY MUSICAL THEATER

Offered in grade(s): 10, 11, 12

Prerequisite(s): Successful completion of PAVE I Acting; concurrent enrollment in PAVE II Acting.

Credit: 1.00 **Weight:** 1.00

This course is designed to provide an overview of the history of musical theater in the United States while simultaneously developing the individual's creative performance and technical abilities. We will examine the lives and contributions of the major composers, book writers, lyricists, directors, and choreographers in American musical theater, as well as the musical productions that received their creative energy. We will also look at how American musical theater evolved and how this evolution related to the cultural and societal changes of the period. In addition, students will work to develop their theatrical, Vocal Music, lyric composition, and dance skills. Students must enroll in this course to complete their sequence requirement in PAVE II Acting.

6082 - THEATER OF DRAMATIC LITERATURE

Offered in grade(s): 10,11, 12

Prerequisite(s): Successful completion of Intro to Acting, PAVE Acting, or English classes, Departmental Approval.

Credit: 1.00 **Weight:** 1.00

Students will learn the different periods of theater, from styled theater to breaking the fourth wall to more modern scene work produced today. Students will also learn how to analyze plays by finding the setting, the main problem (s), the play's climax, and the play's defining end moment. Students will prepare formal

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critiques supporting their analysis of the play. Literature to be studied includes classics as well as modern literature.

6085 - THEATER OF SHAKESPEARE

Offered in grade(s): 10, 11, 12

Prerequisite(s): Successful completion of Basic Acting, PAVE Acting, or English classes, Departmental Approval.

Credit: 1.00 **Weight:** 1.00

This course is a practical approach to understanding the works of William Shakespeare through performance. Students will gain fundamental skills that will help them to analyze text, create believable characters, and craft a performance. Selected Shakespeare plays will be read and studied, beginning with monologues and soliloquies and moving on to group scenes. Students will be expected to analyze and critique scenes, noting beats, transitions, wants, and actions. Interpretations of monologues, soliloquies, and scenes from a play will be based on student research of past and current performance practice. The theater techniques explored apply to all theatrical literature, including comedy, drama, and musicals.

6560 - STAGECRAFT

Offered in grade(s): 11, 12

Prerequisite(s):

Credit: 1.00 **Weight:** 1.00

Students identify and implement stagecraft techniques and methods of theatrical production. The course emphasizes safety and industry standards on systems, tools, materials, and infrastructure. Students will be introduced to the various disciplines within technical theater, they will develop foundational skills in scenery, costumes, props, paint, lighting, and sound. Students will work on theaterWorks productions

MUSIC COURSES

Each course in the music program is designed to develop skills, understanding, and musicality at the highest possible level. Inherent in the musical experience is a simultaneous combination of visual, auditory, and kinesthetic learning and the emotional connection to the art form. Additionally, the process of musical study enhances the development of creative and critical thinking skills, affords an opportunity to build individual and group discipline, and increases achievement through individual and collective effort. Students enrolling in performance-based courses, such as those in band, chorus, and orchestra, should be aware that attendance at rehearsals, sectional practices, and performances is an integral part of the course. Every effort is made by directors to arrange sectional and pre-concert rehearsals and to schedule concerts within the context of the school's master schedule.

The Music department offers a variety of courses designed to meet the interests of all students through the band, orchestra, and vocal programs. Students can meet the state graduation requirement in Music/Art by earning 1 unit of study in a music performance course. They can also earn a Regents Diploma with Advanced Designation by completing a 5-credit sequence in music.

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MUSIC COURSE OFFERINGS	
Huguenot Orchestra	Vocal Ensemble
Symphonic Orchestra	Chorale
Concert Band	Audition Prep
Symphonic Band	Piano Workshop I, II
Guitar Workshop	Music Theory
Music Technology	AP Music Theory

7002 - HUGUENOT STRING ORCHESTRA

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Prior orchestra experience and the recommendation of the previous orchestra instructor. Students who studied violin, viola, cello, or bass at the Elementary schools but for some reason, couldn't schedule it at the Middle Schools may also enter the program by passing a formal audition/interview.

Credit: 1.00 **Weight:** 1.00

Classes will emphasize the fundamentals of musicianship, including the study of major scales, rhythm, intonation, dynamics, and the art of following a conductor. Students must take instrumental lessons on a rotating basis. Students may be accelerated into the Symphonic Orchestra at the music director's discretion.

7001 - SYMPHONIC ORCHESTRA

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Students are accepted into Symphonic Orchestra by audition only.

Credit: 1.00 **Weight:** 1.10

This course is for students with advanced playing ability of non-fretted string instruments. Members survey and perform literature composed for string and full orchestra. The group performs in concert at least twice a year. Students must take instrumental lessons in school on a rotating basis.

7003 - CONCERT BAND

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Prior Band Experience and the recommendation of the previous band instructor.

Credit: 1.00 **Weight:** 1.00

This ensemble explores a variety of wind and percussion literature, suitable, yet challenging, for the level of the group. Classes will emphasize the fundamentals of musicianship, such as major scales, rhythms, intonation and dynamics. The Concert Band will perform in concerts, and all members also participate in Pep Band. In addition, students must take instrumental lessons in school on a rotating basis.

7005 - SYMPHONIC BAND

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Students are accepted into Symphonic Band by audition only.

Credit: 1.00 **Weight:** 1.10

This ensemble explores the more challenging wind and percussion literature, emphasizing 20th-century band compositions but also including transcriptions of orchestral pieces, Broadway show and movie themes, and marches. Advanced exercises in technique will be studied, and sight-reading will form a

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portion of each rehearsal. The Symphonic Band will perform in concerts, and all members will also participate in Pep Band. In addition, students must take instrumental lessons in school on a rotating basis.

7030 - VOCAL ENSEMBLE

Offered in grade(s): 9, 10

Prerequisite(s): Admission by audition – music instructor recommendation

Credit: 1.00 **Weight:** 1.00

Vocal ensemble is a select mixed chorus concentrating on the performance of choral music of many different styles and on the development of basic choral singing and vocal skills. Vocal ensemble also focuses on developing sight-reading skills, including rhythm, pitch and dynamic markings. Vocal ensemble members are expected not only to sing well, but to be able to “hold their part” in a section and work together as a team.

7035 - CHORALE

Offered in grade(s): 10*, 11, 12

Prerequisite(s): Vocal Ensemble, Admission by audition, music instructor recommendation

Credit: 1.00 **Weight:** 1.10

Chorale is a select mixed chorus involved in the intensive study, preparation and performance of representative a cappella and accompanied works of all periods. * Upon recommendation, some 10th graders will be placed in chorale.

7020 - PIANO WORKSHOP

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

This is a practical and introductory course designed to allow students to explore their interest in music through the study of piano/keyboard. The course will apply musical instrument study, sound engineering, recording, composition and/or music notation.

7021 - PIANO WORKSHOP II

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Successful completion of Music in Our Lives 1 – Piano, demonstrated piano skills, Departmental Approval

Credit: 0.50 **Weight:** 1.00

This is a practical continuation of the study of piano/ keyboard. This course will focus on further developing piano/keyboard skills through studying contemporary keyboard literature written in standard musical notation. Informal recitals are part of the expectations of this course.

7023 - GUITAR WORKSHOP

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

This is a practical guitar-based course designed to allow students to explore their interest in academic subjects concerning music. The academic subject's area will concern itself with research projects based on concert reviews, in-depth probes of artists' lives, musical instrument study, sound engineering, recording, and/or music notation. Performance-based projects include learning chord changes for traditional popular song literature.

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7050 - MUSIC TECHNOLOGY

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s):

Credit: .50 **Weight:** 1.00

This course is open to all students grades 9-12. Students will learn how to use recording software to create remixes of popular songs; orchestral scores for TV/Film and audio books; sound effects using foley design techniques; and original music compositions of their choosing. Students will learn about the elements of a recording studio and be able to create recordings by working with instrumentalists, singers, and actors. This class will also provide students with the ability to interact with industry professionals to gain more insight into the college and career pathways for music engineering and production.

7022 - AUDITION PREP

Offered in grade(s): 10, 11, 12

Prerequisite(s): Permission of Instructor

Credit: 1.00 **Weight:** 1.00

Audition Prep is a college preparation course that allows students to work with teachers and industry professionals on musical selections they are performing for auditions and portfolio recordings. Students will both choose and be assigned contemporary and classical repertoire they will prepare during and outside of class, expecting a final in-class performance of each piece. Students will learn how to select suitable music for their voice type, how to execute their performance artistically, and how to use music technology to create recordings of their performances. By the end of the course, students will have a book of repertoire with songs specifically curated for them, recordings for future reels, professional headshots for promotional use, and a constructed internet presence (website/online portfolio).

7026 - MUSIC THEORY

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Piano Keyboard Knowledge – The ability to read instrumental or vocal music is recommended but not mandatory; however, some knowledge of music theory is required.

Credit: 1.00 **Weight:** 1.00

This course is designed to offer students the opportunity to perceive the inner workings of past and present musical works. Emphasis will be on developing aural-visual skills, harmonizing melodies, and identifying intervals, chords, and scales through listening and/or performing. Students who plan to pursue music at the college level are encouraged to enroll as well as students who wish to broaden their musical knowledge.

7075 - AP MUSIC THEORY

Offered in grade(s): 10, 11, 12

Prerequisite(s): Permission of Instructor – Foundations of Music or equivalent and piano keyboard knowledge and access.

Credit: 1.00 **Weight:** 1.10

This course provides an intensive, in-depth exploration of the literature and materials of music for students with prior musical training. Emphasis is placed on the elements of musical organization, expression and style. The changing concepts of melody, harmony, counterpoint and structure are explored through extensive examination of musical literature, notation and vocabulary with a focus on identification of characteristic styles. Ear training through sight-singing and melodic, rhythmic and harmonic dictation will be a large component of the course. Students are required to take the AP Advanced Musicianship Examination, which is usually administered in May.

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Based on the *Next Generation Science Standards*, the goal of the New Rochelle High School science program is for students to learn the content and processes of science in order to achieve full scientific literacy. Students can explore and make discoveries, identify relationships through experimentation, describe and measure with precision, and make inferences. They will develop an understanding of the common themes that extend across all science disciplines and apply their scientific knowledge to make informed decisions and generate appropriate solutions to problems.

	REGENTS	ADVANCED
9th Grade	Living Environment ☆ Earth Science ☆	Earth Science Honors☆ Chemistry☆, Pre-AP Chemistry☆☆☆☆
10th Grade	Living Environment ☆ Chemistry ☆ Earth Science☆	Physics Regents☆ , Earth Science Honors☆, Pre-AP Chemistry☆☆☆☆ AP Physics 1☆☆
11th Grade	Chemistry ☆ Physics ☆ Electives	AP Biology ☆☆ , Pre-AP Chemistry☆☆☆☆, AP Chemistry ☆☆ , AP Environmental Science ☆☆, SUPA Biology☆☆☆ SUPA Forensic Science ☆☆☆, AP Physics 1☆☆ , AP Physics 2 ☆☆ AP Physics C ☆☆
12th Grade	Electives	AP Biology ☆☆ , AP Chemistry ☆☆ , AP Environmental Science ☆☆ AP Physics 1☆☆ , AP Physics 2 ☆☆, AP Physics C ☆☆ Neuroscience Honors
Life Science Electives		Physical Science Electives
Marine Science Fauna and Flora Real-Life Science		Introduction to Forensic Science Astronomy Dinosaurs and Geology Science of Food Introduction to Robotics Advanced Robotics I and II

☆ Regents level science course. Requires 1200 laboratory minutes.

☆☆ AP-level science course. All AP science courses are laboratory sciences.

☆☆☆ Syracuse University Project Advance (SUPA) program. Dual enrollment.

☆☆☆☆ Pre-AP science level course. Prepares students for AP level course, but does not count as AP level (counts as Honors level). Course ends in NYS Regents examination. Requires 1200 laboratory minutes.

The above options show a typical sequence of courses for those students seeking a major sequence in the sciences. Three units of science are required for graduation. Students will be required to take and pass one Regents level science course, and must take two additional science courses. Advanced regents diploma requires 2 passing two regents level courses (physical science and life science) and another science course.

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4500 - LIVING ENVIRONMENT

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Concurrent Enrollment in Algebra I OR completed Algebra I

Credit: 1.00 **Weight:** 1.05

In this course, students study life characteristics, scientific method, biological tools, homeostasis in organisms, genetic continuity, evolution and ecology and human impact. Laboratory work and written lab exercises are required for the Regents exam. This course follows the NYS syllabus for Living Environment. Students are required to take the Living Environment Regents Examination in June.

4580 - EARTH SCIENCE

Offered in grade(s): 10, 11, 12

Prerequisite(s): Concurrent Enrollment in Algebra I OR completed Algebra I

Credit: 1.00 **Weight:** 1.05

Earth Science is an academic course that explores the work of nature on the earth. This course utilizes mathematical concepts to illustrate physical phenomena. The areas studied include: geology, plate tectonics, earth's geological history, limnology, oceanography, meteorology, and astronomy. Laboratory work is required, and students must meet the state standard for laboratory work in order to take the regents examination. Students are required to take the /Earth Science Regents Examination in June.

4584 - EARTH SCIENCE HONORS

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Successful completion of Regents Living Environment.

Credit: 1.00 **Weight:** 1.10

The Earth Science Advanced course of study is designed for an accelerated pace. The course focus encourages students to understand the dynamics of our Earth/Atmosphere System and Space through first-hand observation and inference. Throughout the various units, including Plate Tectonics, Geological History, Rocks and Minerals, Meteorology and Astronomy, emphasis is placed on scientific inquiry, model building, arguing from evidence and communication of results relevant to the Next Generation Science Standards. Laboratory work will be more extensive, analytical, and challenging than regents-level earth science. Timely environmental issues such as global warming, pollution and natural disaster crisis will be explored, with an emphasis on how we interact with the planet Earth, and our responsibility to understand and value our natural environment. Students MUST satisfactorily complete all required laboratory experiences in order to sit for the Regents examination. Students are required to take the Earth Science Regents Examination in June.

4600 - CHEMISTRY

Offered in grade(s): 10, 11, 12

Prerequisite(s): Successful completion of two Regents level science courses Living Environment and Earth Science (strongly recommended) and two Regents math classes.

Credit: 1.00 **Weight:** 1.05

The course contains work on the atomic and molecular structure of matter, bonding, the periodic table, solubilities, ionization, acid base salt theory, redox and electrochemistry, kinetics and equilibrium, nuclear chemistry and organic chemistry. Laboratory work and written lab exercises are required for the Regents exam. Students are required to take the Chemistry Regents Examination in June.

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4652 - PRE-AP CHEMISTRY

Offered in grade(s): 10, 11, 12

Prerequisite(s): Prerequisite: Successfully completed Regents level science courses in Living Environment, Advanced Earth Science and both Algebra 1 and Geometry. Concurrent enrollment in Algebra 2.

Credit: 1.00 **Weight:** 1.10

A chemistry course which prepares students for AP Chemistry. This course requires advanced problem-solving skills for students who wish to major in science at the undergraduate level. The course will focus on the mathematical aspects of chemistry by covering such topics as stoichiometry, kinetics, electrochemistry, thermodynamics, and qualitative analysis. In addition, lab work will be more sophisticated than regents level chemistry. Students will be expected to perform titrations, calculate pH, predict reaction products and quantities, and construct phase diagrams. Organic chemistry will be covered in depth as well as concepts in atomic structure, bonding, and matter and energy. Students are required to take the Chemistry Regents Examination in June.

4675 - AP CHEMISTRY

Offered in grade(s): 11, 12

Prerequisite(s): Three Regents Level Courses: Living Environment and chemistry are required. Physics or earth science will complete the third science requirement. Students must have completed Regents Algebra 1, Regents Geometry, and Regents Algebra 2.

Credit: 1.00 **Weight:** 1.10

A college level chemistry course, its major topics include: the structure of matter, molecular shapes and bonding, kinetic theory of gasses, chemical equilibria, chemical kinetics, acid/base theory and the basic concepts of thermo-dynamics. College level chemistry labs are required. Students are required to take the AP Chemistry examination in May.

4700 - PHYSICS

Offered in grade(s): 10, 11, 12

Prerequisite(s): Successful completion of two Regents level science and math courses – Living Environment; Regents Chemistry or Earth Science; and Algebra and Geometry.

Credit: 1.00 **Weight:** 1.05

This course explores and seeks to explain the nature of matter and energy by studying mechanics, wave phenomena, electricity, magnetism and modern physics and nuclear physics. Since the basic approach is problem solving, it is strongly advised that students have a strong working knowledge of algebra and geometry. Laboratory work and report writing are course requirements for the Regents examination. Students are required to take the Physics Regents Examination in June.

4773 - AP PHYSICS 1

Offered in grade(s): 10, 11, 12

Prerequisite(s): Successful completion of two Regents level Science and Math courses - Regents Living Environment, Regents Chemistry; and Algebra 1 and Geometry. Strong Advanced Earth Science students may be considered.

Credit: 1.00 **Weight:** 1.10

AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion), work, energy, and power, mechanical waves and sound, and an introduction to electric circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Laboratory Requirement: This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. Students are

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required to take the AP Physics 1 examination in May and students are required to take the Physics Regents Examination in June.

4777 - AP PHYSICS 2

Offered in grade(s): 11, 12

Prerequisite(s): Successful completion of Regents Living Environment, Regents Chemistry, either Regents or AP Physics 1 and completion of Algebra and Geometry.

Credit: 1.00 **Weight:** 1.10

AP Physics 2 is an algebra-based, second-semester college-level physics course that explores topics such as fluid mechanics, thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Laboratory Requirement: This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. Students are required to take the AP Physics 2 examination in May.

4775 - AP PHYSICS C

Offered in grade(s): 11, 12

Prerequisite(s): Successful completion of three Regents Level Courses (one must be Regents Physics or AP Physics 1). Calculus is a co-requisite.

Credit: 1.00 **Weight:** 1.10

This course ordinarily forms the first part of a college sequence serving as the foundation for students interested in the physical sciences or engineering. Strong emphasis is placed on solving a variety of challenging problems in physics. The course is divided into two parts. Part A treats problems in mechanics; Part B treats problems in electricity and magnetism. Calculus is used increasingly as the year progresses for both derivations and problem solving. Laboratory experiments are an integral part of the course. Students are required to take the AP Physics C examination in May: Students sit for two AP exams (each 1.5 hours) and receive two separate AP grades.

4573 - SUPA BIOLOGY

Offered in grade(s): 11, 12

Prerequisite(s): Successful completion of 3 Regents Level science courses - Living Environment and Chemistry required; Physics or earth science will complete the third science requirement. **Fee required for SUPA credit.**

Credit: 1.00 **Weight:** 1.10

This is a college general biology I and II course offered through Syracuse University Project Advance (SUPA). First Semester focuses on the origin and diversity of life, cell structure, the development of animals, and principles of evolution. Second Semester explores the principles of genetics; the flow of energy in living systems; anatomical details of roots, stems, leaves, and flowers; and the major systems of vertebrates. Three sections of Lab periods are required. Students who pay a discounted fee will be able to receive 8 credits from Syracuse University.

4575 - AP BIOLOGY

Offered in grade(s): 11, 12

Prerequisite(s): Successful completion of BOTH Regents Living Environment and Regents Chemistry. In addition, successful completion of either – Regents/AP Physics 1 or Advanced/ Regents Earth Science is required.

Credit: 1.00 **Weight:** 1.10

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A college level biology course which is supplemented with journal reading, laboratory work, and inquiry-based research. AP Biology is designed for students who have successfully completed foundation courses in biology and chemistry. This course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Primary emphasis of the course is on developing an understanding of concepts rather than on memorizing terms and technical details. Major areas include molecular cell biology, molecular genetics, ecological interactions, and evolutionary biology. Each of these areas is examined within the context of the four Big Ideas detailed in The College Board syllabus. Student workload includes weekly reading, studying, preparing lab reports, digital assignments, holiday break assignments, and a summer assignment. Students are required to take the AP Biology examination in May.

4555 - FAUNA AND FLORA

Offered in grade(s): 11, 12

Prerequisite(s): Two Regents level science courses.

Credit: 1.00 **Weight:** 1.00

In this course, students will perform hands-on activities in the garden, school greenhouse and biology laboratory to experience and explore adaptations among species in the plant and animal kingdoms. When applicable, students will learn how humans have used these adaptations and characteristics to our advantage as well as the potential consequences caused by these activities. Some of the activities and projects will be performed according to the seasonal requirements, e.g., maple sugaring. There will be opportunities for students to investigate their individual curiosity by researching student generated independent questions through either hands-on experimentation or literary research. Students have an opportunity to apply the knowledge and skills learned throughout the course with independent projects.

4588 - DINOSAURS and GEOLOGY

Offered in grade(s): 11, 12

Prerequisite(s): Two Regents level science courses.

Credit: 1.00 **Weight:** 1.00

This course focuses on the principles of geology investigating and utilizing fossil studies. This course will emphasize the use of fossil evidence to solve problems in evolutionary history, extinction, dinosaurian biology and behavior, paleoecology, and global change (ranging in topics from plate tectonics to asteroid impacts). The study of dinosaurs and other large-bodied Mesozoic reptiles will include morphology, stratigraphic and paleo-environmental distribution, preservation, collection, classification, lifestyles, origins, evolution and extinction.

4590 - MARINE SCIENCE

Offered in grade(s): 11, 12

Prerequisite(s): Two Regents level science courses

Credit: 1.00 **Weight:** 1.00

Marine Science is the study of ocean life. This course will cover diverse marine habitats such as coral reefs, the Open Ocean, estuaries, coastal habitats and tidal zones. Students will learn about the major groups of ocean organisms and their adaptations. The course will explore the major environmental threats that the oceans face: pollution, overfishing, global warming, ocean acidification and invasive species. Class activities will include looking at current research, field trips to local marine habitats and/or laboratories, lab work including dissections and documentary films.

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4665 - AP ENVIRONMENTAL SCIENCE

Offered in grade(s): 11, 12

Prerequisite(s): Successful completion of TWO Regents Level Science Courses in biology and chemistry,

Credit: 1.00 **Weight:** 1.10

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Topics studied include energy, biological and physical systems, populations, agriculture, toxicology, pollution and solutions to environmental problems. College level labs and field studies are required. Students are required to take the AP Environmental Science examination in May.

4680 - SCIENCE OF FOOD

Offered in grade(s): 11, 12

Prerequisite(s): Two Regents level science courses.

Credit: 1.00 **Weight:** 1.00

The Science of Food is a course that teaches core scientific principles, laws and phenomena using a medium that our students interact with on an everyday basis - food. This course takes advantage of the students' experience and enjoyment of food to teach an intense science curriculum, heavy in both biology and chemistry. The course will be divided into three main components: (1) farming and food production, (2) food preparation and cooking and (3) the digestion and growth process of the consumer. Instructional techniques rotate between inquiry-based activities, "hands-on, minds-on" activities, and lessons involving different learning styles and science literacy. Assessments take the form of traditional exams and student-centered real-world research and application.

4760 - NEUROSCIENCE HONORS

Offered in grade(s): 12

Prerequisite(s): Students MUST have successfully completed three Regents level science classes - Regents Living Environment, Regents Chemistry, Physics or earth science will complete the third science requirement.. AP Biology is highly recommended

Credit: 1.00 **Weight:** 1.10

Neuroscience is a course designed for students interested in pursuing science as a major in college, particularly neuroscience or other brain-related fields. This is an honors level course. Students will be introduced to the modern field of neuroscience and tracing some of its historical antecedents. Then, take a closer look at the structure and function of individual neurons, how they communicate chemically, and how these building blocks are arranged to form the nervous system. Students will explore the neurobiology of human behavior, including motivation, sleep, language, attention, mental illness, and how the environment modifies the brain, both during development and in adult learning and memory. Finally, students will look at the ethical dilemmas which are raised by the advances in our understanding of the brain – neuroethics.

4800 - ASTRONOMY

Offered in grade(s): 11, 12

Prerequisite(s): Two Regents level science courses (one preferably Earth Science), and Algebra 1.

Credit: 1.00 **Weight:** 1.00

Astronomy is the scientific study of the contents of the entire Universe. The purpose of this course is to enable students to develop and apply knowledge of the universe and compare the conditions, properties,

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and motions of bodies in space. It is a qualitative, descriptive course that deals with all of the sub-topics of astronomy: the celestial sphere, the solar system, seasons; time; motions.

4825 - REAL-LIFE SCIENCE

Offered in grade(s): 11, 12

Prerequisite(s): Two Regents Level science courses

Credit: 1.00 **Weight:** 1.00

Students will explore the role of science in our daily lives and the impact of science on advancing the human condition and assuring the quality of life locally and globally. Selected topics in the fundamentals of science will be introduced through engaging readings, in-class dialogue, videos, research projects and hands-on activities. Students will have an opportunity to gain rich perspectives on topics such as chemistry and health, food and nutrition, air and water quality, thermodynamics, the human body, disease, climate change, and general energy concepts and principles. The curriculum will adjust to reflect how one's understanding of scientific concepts can be used to explain current events. Assessments take the form of traditional exams and student centered real-world research and application.

4830 - INTRO TO FORENSIC SCIENCE

Offered in grade(s): 11, 12

Prerequisite(s): Two Regents Level science courses

Credit: 1.00 **Weight:** 1.00

A year-long course which involves the application of chemical, biological, and physical principles to the investigation of physical evidence in criminal cases. This course entails analytical reasoning, laboratory testing, selected field trips and, to provide technical expertise, qualified speakers who will analyze evidence presented in criminal cases.

4831 - SUPA FORENSIC SCIENCE

Offered in grade(s): 11, 12

Prerequisite(s): Living Environment (required), Chemistry (required), and Physics or Earth Science. Teacher recommendation and departmental approval. **Fee required for SUPA credit.**

Credit: 1.00 **Weight:** 1.10

This course is intended to provide an introduction to understanding the science behind crime detection. Recent advances in scientific methods and principles have had an enormous impact upon law enforcement and the entire criminal justice system, and this course will present a number of those methods that are relevant to crime detection and analysis. The course will emphasize the techniques used in evaluating physical evidence; laboratory exercises will include techniques commonly employed in forensic investigations. Topics included are blood analysis, organic and inorganic evidence analysis, microscopic investigations, hair analysis, DNA, drug chemistry and toxicology, fiber comparisons, paints, glass composition and fragmentation, fingerprints, soil comparisons, and arson investigations, among others. This is a college course offered through Syracuse University, and students paying the (discounted) fee for SU credit will receive a Syracuse University transcript.

4803 - INTRODUCTION TO ROBOTICS

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Algebra 1 (can be taken as co-requisite)

Credit: 1.00 **Weight:** 1.00

Robotics is becoming an integral aspect of society. It will become commonplace in the homes of the near future. In this course, students will acquire a foundational understanding of how to integrate the physical, mechanical, and electrical worlds to create systems that improve human life. They will engage in

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real-world problems and gain skills as they build robots, learning the basics of design and C programming.

4804 - ADVANCED ROBOTICS I

Offered in grade(s): 10, 11, 12

Prerequisite(s): Algebra 1, Geometry (Additional recommendations: completion of Introduction to Robotics, AP Computer Science Principles, AP Computer Science A)

Credit: 1.00 **Weight:** 1.10

Advanced Robotics I focuses on all aspects of engineering problem-solving and design. The course will look at practical applications of robotics. Students in robotics will be required to compete in local and/or state competitions (FIRST FTC competitions). The competitions require that the competing robots be able to complete the tasks such as picking up objects and moving/stacking them to earn points. A robot's path to victory depends upon the design and programming - a primary focus of study in this course.

4806 - ADVANCED ROBOTICS II

Offered in grade(s): 11, 12

Prerequisite(s): Advanced Robotics I

Credit: 1.00 **Weight:** 1.10

Advanced Robotics II expands on the areas of study covered in Advanced Robotics I. Students in robotics will be required to compete in local and/or state competitions (FIRST FTC competitions). The competitions require that the competing robots be able to complete the tasks such as picking up objects and moving/stacking them to earn points. A robot's path to victory depends upon the design and programming - a primary focus of study in this course.

SOCIAL STUDIES

According to the National Council for the Social Studies, “the primary purpose of social studies is to help young people make informed and reasoned decisions for the public good as citizens of a culturally diverse, democratic society in an interdependent world.” Based on the NYS Learning Standards and Framework for Social Studies, the robust course offerings of the New Rochelle High School Social Studies Department introduce students to the various disciplines of the social sciences, including history, political science, economics, sociology, anthropology, geography, and psychology. Recognizing the importance of literacy as the foundation of learning, analytical reading and writing assignments, hands-on projects, and performance-based assessments are essential components of the social studies curriculum.

GRADE	REGENTS	ADVANCED and HONORS	
9	Global History & Geography I		
10	Global History & Geography II	AP World History	
11	United States History & Government	AP United States History, AP Art History, AP Psychology, SUPA Sociology☆☆	
12	Economics Law & Government Other electives	AP US Government, AP Macroeconomics, AP Art History, AP Psychology, AP African American Studies, AP European History, SUPA Sociology☆☆	
ECONOMICS		GOVERNMENT	
Economics SUNY Entrepreneurship ☆☆☆ * Economics and Personal Finance * Career & Financial Manag. through Economics* Global Economics AP European History		Law and Government Law & Gov - Film Law & Gov - Sports and Social Justice Law & Gov - Criminal Justice Law & Gov - Songs and Social Movements Law & Gov - Women in History Law & Gov - Native Amer. Exp Business Law* Mercy College Business Law*	
AP Government and Politics ☆ , African American Studies ☆ AP African American Studies ☆, AP Macroeconomics ☆, Latino Studies ☆AP Human Geography ☆		Psychology Philosophy Sociology AP Art History SUPA Sociology ☆☆ Debate & Social Issues I and II	Fall or Spring Fall or Spring Fall or Spring Full Year Fall or Spring Fall or Spring

☆ Student receives BOTH Economics and Government credit if he/she selects any of these courses

☆☆ This is a SUPA course. Credit is offered through the Syracuse University Project Advance (SUPA) program.

☆☆☆ SUNY credit is offered through our partnership with SUNY Westchester Community College.

* Courses marked with an asterisk count towards the 12th grade Social Studies requirement, but are listed in the Business department catalog. Please see Business for more detailed information.

The NRHS Social Studies Dept. is proud to introduce the Seal of Civic Readiness and Civics Pathway beginning in 2024-25. Please see the [Honorary Seals](#) section for additional information.

3600 - GLOBAL HISTORY AND GEOGRAPHY I

Offered in grade(s): 9

Prerequisite(s):

Credit: 1.00 **Weight:** 1.05

Grade 9 begins with the Paleolithic Era and the development of the first civilizations, continues with an examination of classical societies, and traces the expansion of trade networks and their global impact. The course emphasizes the key themes of interactions over time, shifts in political power, and the role of belief systems. In addition to content, students are taught how to effectively utilize essential Social Studies Practices such as: Gathering, Interpreting, and Using Evidence, Chronological Reasoning and Causation, Comparison and Contextualization, Geographic Reasoning, Economics and Economics Systems, and Civic Participation.

3601 - GLOBAL HISTORY I CREDIT RECOVERY

Offered in grade(s): 10, 11, 12

Prerequisite(s): Attempted Global History I

Credit: 1.00 **Weight:** 1.00

This semester course is for students who did not pass Global 9. This will be a targeted experience in specific areas of world history, from early river valley civilizations through the mid-eighteenth century. Essay writing and analysis of historical documents will be emphasized. Credit recovery is available to students who attended most of a failed course and mastered a considerable amount of the content.

3604 - GLOBAL HISTORY AND GEOGRAPHY II

Offered in grade(s): 10

Prerequisite(s): Global History I

Credit: 1.00 **Weight:** 1.05

Grade 10 provides a snapshot of the world circa 1750. The course continues chronologically up to the present. Several concepts are woven throughout the course including industrialization, nationalism, imperialism, conflict, technology, and the interconnectedness of the world. The last three Key Ideas focus on global issues, applying a more thematic approach. In addition to content, students are taught how to effectively utilize essential Social Studies Practices such as: Gathering, Interpreting, and Using Evidence, Chronological Reasoning and Causation, Comparison and Contextualization, Geographic Reasoning, Economics and Economics Systems, and Civic Participation.

3614 - GLOBAL HISTORY II CREDIT RECOVERY

Offered in grade(s): 11,12

Prerequisite(s): Attempted Global II

Credit: 1.00 **Weight:** 1.00

This semester course is for students who did not pass Global 10. This will be a targeted experience in specific areas of world history from the mid-eighteenth century to the present-day. Additionally, students will discuss current events, essay writing, and analysis of historical documents). If necessary, students will take the NYS Global Studies Regents examination. Credit recovery is available to students who attended most of a failed course and mastered a considerable amount of the content.

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3700 - UNITED STATES HISTORY & GOVERNMENT

Offered in grade(s): 11

Prerequisite(s): Global History II or AP World History

Credit: 1.00 **Weight:** 1.05

This course begins with the colonial and constitutional foundations of the United States and explores the government structure and functions written in the Constitution. The development of the nation and the political, social, and economic factors that led to the challenges our nation faced in the Civil War are addressed. Industrialization, urbanization, and the accompanying problems are examined, along with America's emergence as a world power, the two world wars of the 20th century, and the Cold War. Students explore the expansion of the federal government, the threat of terrorism, and the place of the United States in an increasingly globalized and interconnected world. Oral presentations, research skills (Research to build and present knowledge, and the analysis of primary and secondary source documents) will be emphasized. Students will be required to complete a major research paper.

3651 - AP ART HISTORY

Offered in grade(s): 11, 12

Prerequisite(s): Global History I and II

Credit: 1.00 **Weight:** 1.10

AP Art History is a chronological survey of artistic styles, artists, architecture, painting, and sculpture primarily of the western tradition with periodic introductions of non-western work from Africa, the Americas, Asia, the Near East, Oceanic and Islamic traditions. Since art is the reflection of the time, place, and people which produced it, the course is as much concerned with history as with art. Central to the course is the development of visual literacy, oral and written skills of comparative analysis, and the understanding of those works in historical and sociological context. Students may be granted college credit or placement for this course based upon their performance in the nationally administered exam which is required of all students. Students are required to take the AP Art History Examination, which is administered in May.

3660 - AP WORLD HISTORY

Offered in grade(s): 10

Prerequisite(s): Global History I, Pre-AP Assignment, and Departmental approval.

Credit: 1.00 **Weight:** 1.10

This college-level history course is aligned with the expectations and content designed by the College. Students will study the cultural, economic, political, and social developments that have shaped the world from c. 1200 CE to the present. AP World History encompasses the history of the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania, with special focus on historical developments and processes that cross multiple regions.

Significant primary and secondary source readings combined with research and analytical essay writing skills will be emphasized. The rigor of this course prepares students for future AP courses and to meet the mastery level for the NYS Global History and Geography Regents exam.

Students may be granted college credit or placement for this course based upon their performance in the AP World History: Modern examination which students are required to take in May.

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3770 - AP U.S. HISTORY

Offered in grade(s): 11

Prerequisite(s): Global History II or AP World History & Departmental Approval

Credit: 1.00 **Weight:** 1.10

AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use skills for analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society. The rigor of this course prepares students to meet the mastery level for the NYS U.S. History & Government Regents exam. Students may be granted college credit or placement for this course based upon their performance in the AP United States History examination which students are required to take in May.

3701 - U.S. HISTORY & GOVERNMENT CREDIT RECOVERY

Offered in grade(s): 12

Prerequisite(s): Attempted American History & Government

Credit: 1.00 **Weight:** 1.00

This one-semester course is for students who did not pass U.S. History & Government. This will be a targeted experience in specific areas of American History. Additionally, students will discuss current events, essay writing, and analysis of historical documents. If necessary, students will take the NYS US History Regents Examination. Credit recovery is a targeted experience, specifically for students who attended most of a failed course and mastered a considerable amount of the content.

3801 - PSYCHOLOGY

Offered in grade(s): 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

This one-semester course introduces students to concepts and principles of psychology so that they will be able to understand the psychological processes which have shaped their behavior. Personality, gender, theories of learning, altered states of consciousness, and human development are among the topics that will be studied and discussed.

3809 - AP PSYCHOLOGY

Offered in grade(s): 12

Prerequisite(s):

Credit: 1.00 **Weight:** 1.10

This college-level course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students will employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, and evaluate claims and evidence. Students may be granted college credit or placement for this course based upon their performance in the AP Psychology examination which students are required to take in May.

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3811 - ECONOMICS

Offered in grade(s): 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

A one-semester course intended to acquaint students with the role of economics in American society. It examines the principles of the United States free market economy in a global context. Students will examine their individual responsibility for managing their personal finances. Students will analyze the role of supply and demand in determining the prices individuals and businesses face in the product and factor markets, and the global nature of these markets. This course will focus around resources and decision-making including both monetary and nonmonetary, an introduction to major decisions people make in our economy such as buying a car or choosing a career, and how institutions such as financial firms or government departments make decisions. Students will be involved in simulations that will help them better understand the stock market.

3608 - GLOBAL ECONOMICS

Offered in grade(s): 11, 12

Prerequisite(s): Exclusive to students who have not yet passed the Global History Regents exam

Credit: 0.50 **Weight:** 1.00

This semester course is exclusively offered to students who still have to pass the Global Regents Exam. It is designed to enhance student's understanding of Economics, through Global Studies and the analysis of primary and secondary source documents.

Students will examine how economics has influenced major themes, concepts, and events in Global History. Topics will include the impact of American Capitalism, the movement of people and goods, economic interdependence, and the social & political challenges created by various economic systems. (eg: unemployment, inflation, poverty, environmental consequences, etc.)

Additionally, economic principles such as scarcity, supply and demand, productivity, individual responsibility and the economy, globalization, and opportunity cost will be discussed. **Note: If this course request cannot be met for any reason, the student will automatically be scheduled for 3811 ECONOMICS.*

3675 - AP EUROPEAN HISTORY with ECONOMICS

Offered in grade(s): 12

Prerequisite(s): U.S. History or AP U.S. History

Credit: 1.00 **Weight:** 1.10

AP European History introduces students to the political, economic, religious, social, intellectual, and artistic trends that shaped Europe from 1450 to the present. Course covers five themes of equal importance — Interaction of Europe and the World, Poverty and Prosperity, Objective Knowledge and Subjective Visions, States and Other Institutions of Power, and Individual and Society. Interaction of Europe and the world, through economic and commercial development and interactions will also be analyzed. Successful completion of this course will satisfy the state-mandated Economics requirements. Students may be granted college credit or placement for this course based upon their performance in the AP European History examination which students are required to take in May.

3838 - AP HUMAN GEOGRAPHY with ECONOMICS & GOVERNMENT

Offered in grade(s): 11, 12

Prerequisite(s): U.S. History or AP World History, 85% or higher on the Global History Regents and Departmental Approval.

Credit: 1.00 **Weight:** 1.10

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This college-level course is designed to give students a critical perspective of human social organization and its environmental consequences. Students will learn about the methods and tools used by geographers in their science and practice. Emphasis will be placed on geographic models and their applications. Case studies from around the globe are compared to those in the United States. The course is organized around seven major topics: Geography: Its Nature and Perspectives; Population and Migration; Cultural Patterns and Processes; Political Organization of Space; Agriculture, Food Production, and Rural Land Use; Industrialization and Economic Development; Cities and Urban Land Use. Successful completion of this course will satisfy the state-mandated Economics and Government requirements. Students may be granted college credit or placement for this course based upon their performance in the AP Human Geography examination which students are required to take in May.

3852 - AP GOVERNMENT & POLITICS with ECONOMICS

Offered in grade(s): 12

Prerequisite(s): American History or AP American History, 85% or better on the U.S. Hist. & Gov. Regents & Departmental approval.

Credit: 1.00 **Weight:** 1.10

This college-level course is designed to give students a critical perspective on government and politics in the United States. It involves both the study of general concepts used to interpret American politics and the analysis of specific case studies and current events. The following topics are central to the course organization: constitutional underpinnings of American government, political beliefs and behaviors, political parties and interest groups, institutions and policy processes of national government, civil rights and civil liberties. Critical analysis, significant research and thesis writing are emphasized. Successful completion of this course will satisfy the both state-mandated participation in government and economics requirements. Students may be granted college credit or placement for this course based upon their performance in the AP United States Government and Politics examination which students are required to take in May.

3831 - LAW & GOVERNMENT

Offered in grade(s): 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

This one-semester is designed for the student who has an interest in the American legal system and contemporary politics. After a review of the Constitution and the organization of the American political system, the course will focus on several of the following topics: civil, criminal and constitutional law; political beliefs and behaviors; political parties and interest groups; basic civil rights and the significant Supreme Court decisions; and the role of the media. Students will study various economic, social, environmental and political trends and the issues they raise for future voters and citizens. Among the activities will be mock trials, guest speakers, simulations, debates and research.

3661 - LAW & GOVERNMENT - WOMEN IN HISTORY

Offered in grade(s): 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

Women of different races, sexual orientations, and backgrounds, have fought for a true vision of equality in America. Today, women remain at the vanguard of political organizing, heading movements such as Black Lives Matter and #MeToo. Designed for students interested in learning American history through the contributions, struggles, and narratives of women. Fulfills the NYS requirement in Law & Government.

**Note: If this course request cannot be met for any reason, the student will automatically be scheduled for 3831 LAW & GOVERNMENT.*

3663 - LAW & GOVERNMENT - SONGS AND SOCIAL MOVEMENTS

Offered in grade(s): 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

Designed for students interested in learning history through songs. Americans have often practiced their right to freedom of speech through song. These songs have often served as a secondary and even a primary source for historical events and select periods of American history. Students will analyze lyrics and popular songs to understand a number of events and social movements in American history. It fulfills the NYS graduation requirement in Law & Government. **Note: If this course request cannot be met for any reason, the student will be scheduled for 3831 LAW & GOVERNMENT.*

3874 - LAW & GOVERNMENT - SPORTS AND SOCIAL JUSTICE

Offered in grade(s): 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

This one-semester course is designed for students who have an interest in civil rights, social justice, and sports. For decades, sports have often been used as a platform to raise larger, more complex social issues to a general audience. Many athletes such as Muhammad Ali, Miguel Aguilar, Serena Williams, Colin Kaepernick, Billie Jean King, and many others, have used their podium to address serious issues, even when it meant risking their career. Students will discuss the importance of participation in government and in our communities, and the need to participate in civic life through volunteerism and advocacy. Among the activities will be guest speakers, presentations, debates, and research. Successful completion of this course will satisfy the NYS mandate in Government. **Note: If this course request cannot be met for any reason, the student will be scheduled for 3831 LAW & GOVERNMENT.*

3876 - LAW & GOVERNMENT THROUGH FILM

Offered in grade(s): 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

Media has been and continues to be a major influence on our lives. Since its inception, the medium of film has had mass appeal that frequently filters our perceptions of the world, its people, history, and government. This course will synthesize both civics, citizenship and government content and social studies skills as it develops students into active learners and critical thinkers of the "film's story." The films that will be studied will deal with those issues of vital importance to citizenship. Students will have the opportunity to define societal issues, gather and research current and historical primary sources and other materials, and practice the principles of critical analysis and evaluation through film studies. They will also enhance their effective oral and written skills. **Note: If this course request cannot be met for any reason, the student will automatically be scheduled for 3831 LAW & GOVERNMENT.*

3920 - LAW & GOVERNMENT - CRIMINAL JUSTICE

Offered in grade(s): 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

This course is a comprehensive introduction to the Criminal Justice System, with emphasis on the roles and responsibilities of the police, courts, and corrections. Federal and State Constitutional rights of the accused and the roles of key players in the judicial process are studied. Students will be exposed to many aspects of the legal process, from a suspect being questioned, to trial, to incarceration. Topics of discussion will include: Juvenile Justice, Inmate Rights, Release and Recidivism, Racial Disparities, and

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the Death Penalty. Course will also analyze police brutality as a social issue, and the benefits of Community Policing. **Note: If this course request cannot be met for any reason, the student will automatically be scheduled for 3831 LAW & GOVERNMENT.*

3922 - LAW & GOVERNMENT - NATIVE AMERICAN EXPERIENCE

Offered in grade(s): 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

This one-semester course is designed for the student who has an interest in the history of Native American peoples and their unique influence on the history of the United States. The class will explore a range of topics from the pre-Columbian period through the present including: the achievements of indigenous civilizations prior to European contact, the complex relationships that developed with groups who colonized North America, the impact Native peoples had on the American Revolution and development of the United States Constitution, the history of U.S. treaty policies and Federal Court decisions, Native American nationalist movements and cultural preservation efforts, U.S. government policy towards Native Americans and their response, Native American citizenship and civil rights, and the continued influence of Native Americans on the United States today. Successful completion of this course will satisfy the NYS mandate in Government. **Note: If this course request cannot be met for any reason, the student will automatically be scheduled for 3831 LAW & GOVERNMENT.*

3611 - LAW & GOVERNMENT - AMERICAN POLITICS

Offered in grade(s): 12

Prerequisite(s): Senior who needs to pass U.S. History Regents

Credit: 0.50 **Weight:** 1.00

This course is exclusively offered to students who still have to pass the U.S. History Regents Exam. It allows for students to analyze and discuss important topics in U.S. History through the study of Law & Government. After a review of the Constitution and the organization of the American political system, the course will focus on: Civil rights and civil liberties, public policy, political beliefs and behaviors, political parties and interest groups, significant Supreme Court decisions, and current political events. Additionally, students will examine the rights, responsibilities, and duties of engaged and informed citizens in our democracy. Oral presentations, research skills, and thesis writing will be emphasized. **Note: If this course request cannot be met for any reason, the student will automatically be scheduled for 3831 LAW & GOVERNMENT.*

3848 - AP MACROECONOMICS with GOVERNMENT

Offered in grade(s): 12

Prerequisite(s): American History or AP American History, 85% or better on the US History & Government Regents and Departmental approval.

Credit: 1.00 **Weight:** 1.10

AP Macroeconomics focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, fiscal policy, monetary policy, currency exchange, economic growth, and international economics. Successful completion of this course will satisfy the both state-mandated participation in government and economics requirements. Students may be granted college credit or placement for this course based upon their performance in the AP Macroeconomics examination which students are required to take in May.

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3881 - AFRICAN AMERICAN STUDIES with ECONOMICS & GOVERNMENT

Offered in grade(s): 12

Prerequisite(s): American History & Government or AP American History

Credit: 1.00 **Weight:** 1.00

This course covers the African American experience. It begins with the settlement of Virginia and the arrival of the first African people to British North America. The course includes a study of the African continent to the 17th century focusing on the movement of African people through the Atlantic Slave Trade. This course will cover civics, citizenship and government involvement of African American communities in the U.S. Economic principles such as scarcity, supply and demand, productivity, opportunity cost, and their application to everyday situations in American life will be studied. Successful completion of this course will satisfy both the NYS mandates in Economics and Government.

3873 - AP AFRICAN AMERICAN STUDIES with ECONOMICS & GOVERNMENT

Offered in grade(s): 12

Prerequisite(s): American History & Government or AP American History

Credit: 1.00 **Weight:** 1.10

This interdisciplinary college level course reaches into a variety of fields—literature, the arts and humanities, political science, geography, and science—to explore the vital contributions and experiences of African Americans. Topics are divided in four major units: “Origins of the African Diaspora,” “Freedom, Enslavement and Resistance,” “The Practice of Freedom,” and “Movements and Debates.”

Other topics may include: Black athletes and social activism; the Black Lives Matter movement; Gay life and expression in Black communities; and Black thought leaders. Students may be granted college credit or placement for this course based upon their performance in the AP African American Studies examination which students are required to take in May.

Additionally, economic principles such as scarcity, supply and demand, productivity, opportunity cost, and their application to everyday situations in American life will be studied. This course will also cover civics, citizenship and government involvement of African American communities in the U.S. Successful completion of this course will satisfy both the NYS mandates in Economics and Government.

3901 - LATINO STUDIES with ECONOMICS & GOVERNMENT

Offered in grade(s): 12

Prerequisite(s): American History & Government or AP American History

Credit: 1.00 **Weight:** 1.00

This course is a study of the history and contributions of Latinos in America. Students discuss a variety of constitutional and civic issues that have affected Latinos in America, and the efforts made by individuals, groups, and governments to address these issues. Students analyze gains and challenges in the areas of Latino political and civic participation, and discuss voting, citizenship, political affiliations, elected officials, etc. Economic principles include budgeting, scarcity, supply and demand, personal finances, and productivity. Successful completion of this course will satisfy both the NYS mandates in Economics and Government.

3860 - PHILOSOPHY

Offered in grade(s): 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

Philosophical themes such as: Does free will exist? Is knowledge possible? Does God exist? Why does evil exist? Who are we? What is real? What is right? These questions will be discussed and analyzed along with their connection in both the Western and the Eastern worlds. The philosophies of Socrates, Plato, Lao-Tse, Buddha and Locke will be among those discussed. This one-semester introductory course

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will emphasize the development of position papers on topics of student interest, which will then be presented to the class. In addition, the students will keep a weekly reflection journal.

3875 - SOCIOLOGY

Offered in grade(s): 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

This one-semester course is designed to provide students with the skills necessary to analyze societies, cultures, and the relationship between the individual and society. The primary units of study are methods and techniques of sociological research; culture and its effect on the individual; social institutions such as school, religion, and family, and race, gender and economic inequality around the world. American society is used as the basis of study with comparisons made with other cultures when appropriate.

3891 - DEBATE & SOCIAL ISSUES I

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Students participating in the Debate Team must register for this course.

Credit: 0.50 **Weight:** 1.00

Debating helps students develop and enhance skills in speaking, note taking, organization, team work, Q&A, research, using evidence, developing perspectives, and critical analysis of the issues within our local and global communities. Through this semester course, students will learn formal debating techniques and language such as the stock issues of Harms, Inherencies, Plans, Solvency, and Topicality. Students will be required to participate in weekly class debates, locate and analyze evidence, become familiar with the vocabulary within policy debate, complete journal entries and prepare for participation in class and competitive tournament debates. Special emphasis will be placed on critical thinking, listening skills, and argument resolution. Research and assessments will be essential components of this course.

3892 - DEBATE & SOCIAL ISSUES II

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Debate & Social Issues I

Credit: 0.50 **Weight:** 1.00

Students will continue to enhance formal debating techniques learned in *Debate I*, such as the stock issues of Harms, Inherencies, Plans, Solvency, and Topicality. Debate II will prepare students for intermediate competitions with an emphasis on philosophy and archetypal values of democracy and liberty. Students will be required to participate in weekly class debates, find and analyze evidence, and prepare for participation in local and state competitive tournament debate competitions. Research and assessments will be essential components of this course.

3893 - LEADERSHIP and GOVERNMENT

Offered in grade(s): 10, 11, 12

Prerequisite: This course has no prerequisite and it is open to all students. Preference will be given to students enrolled in the NRHS MBK (My Brother's Keeper) or MSKH (My Sister-Keep Her) programs.

Credit: 0.50 **Weight:** 1.00

Students will learn the habits of leadership and discover a sense of self and respect for others. This course will help students in the development of critical attributes and attitudes such as: confidence, autonomy, collaborating with others, bringing people together, conflict management and resolution, exploration of values, effective interpersonal communication, persuasion techniques, and development of personal mission statements and goals.

Youth Leadership members will become engaged citizens in their communities. Students will develop projects designed to identify and address issues of public concern in our community.

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3894 - LEADERSHIP and ECONOMICS

Offered in grade(s): 10, 11, 12

Prerequisite(s): This course has no prerequisite and it is open to all students. Preference will be given to students enrolled in the NRHS MBK (My Brother's Keeper) or MSKH (My Sister-Keep Her) programs.

Credit: 0.50 **Weight:** 1.00

Students need a strong foundation in economics and personal finance to function effectively as consumers, workers, savers, investors, entrepreneurs, and active citizens.

This course will engage students in activities that teach leadership principles, establish a sense of personal identity, and emphasizes the importance of managing personal finances.

Additionally, students will develop economic reasoning skills needed to analyze and solve real-world problems, entertain multiple perspectives, and make informed personal and collective decisions.

This content is applicable to decisions students will make as consumers, employees, employers, savers, investors and citizens.

3882 - SUPA SOCIOLOGY

Offered in grade(s): 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.10

This college-level course is an analytic, skills-based introduction to sociology. The emphasis is on analytic reading and conceptual analysis. The approach to sociology is to view it as an empirical social science.

As the course progresses, students should obtain increasing skill in analytic reading and writing, sociological reasoning, empirical investigation, and in the ability to make empirical and conceptual generalizations about self and society in an increasingly global world. Topics include: Sociological Perspectives; Doing Social Research; Culture, Groups, and Social Structure; The Power and Influence of the Media; Self and Identity; Social Inequality (Race, Class and Gender); Thinking about Society. This is a college course offered through Syracuse University, and students paying the (discounted) fee for the college credit will receive a Syracuse University transcript.

TECHNOLOGY and ARCHITECTURE

New Rochelle High School offers a robust program of technology-based electives in the areas of computer science, computer hardware, computer application, robotics and computer graphics, as well as a five-unit sequence in architecture. These courses provide an opportunity for students to study and learn about the processes and knowledge related to technologies that are needed to solve problems and extend human capabilities. Students will be able to use, manage, understand, and assess technologies. Technology education uses concepts of science, mathematics, social science, and the arts in a hands-on, systems-based approach to problem solving that guides students in the understanding, design and development of systems, devices, and products to improve our lives.

ARCHITECTURAL DESIGN SEQUENCE

To build both content knowledge and a complementary appreciation of the principles of art and design, and to cultivate an understanding of the role of the architectural professional in enhancing the civic, social, and cultural environments of individuals and communities, it is the goal of the Architectural Design Sequence to provide learning experiences that foster intellectual curiosity, stimulate critical and creative reasoning, and demonstrate the inter-relatedness of theory and history.

Through instruction in drawing, analysis, multimedia work, and two-and three-dimensional hard and soft design, students will acquire the discrete skills and the personal confidence to create, form, manipulate, program, and construct. Research-based teaching strategies—blending academic and experiential opportunities—allow students to conceptualize methods of responding to the environment to make significant and lasting contributions to a global society.

Technology Department Offerings	
Architecture Courses	Computer Science Courses**
Introduction to CAD	AP Computer Science Principles
Design and Drawing for Production	AP Computer Science A
SUNY CAD I*	Engineering
Computer Aided Residential Drawings	Introduction to Engineering Design
SUNY Architectural Drawing*	
SUNY Architectural Design*	

*By paying a reduced tuition, students taking these classes may acquire transferable college credits for each course from SUNY Westchester Community College.

**Computer Science courses are considered math electives. Students who need a math credit may elect to have a Computer Science course count towards the minimum 3 credit math requirement for graduation

***Robotics courses are considered science electives. Students who need a science credit may elect to have a Robotics course count towards the minimum 3 credit science requirement for graduation

6723 - INTRODUCTION TO CAD

Offered in grade(s): 9, 10, 11, 12 (priority given to 9th grade students)

Prerequisite(s):

Credit: .5 **Weight:** 1.00

An exploratory course into the world of 3D modeling. Students learn how to navigate three-dimensional spaces and manipulate 3D structures to create objects of various types such as asset models (i.e. props, furniture, small objects), character/creature modeling, and environment modeling. Students explore textures and lighting and analyze their impact on designs. Students create digital models using TinkerCAD and AutoCAD by AutoDesk. Additional software is incorporated throughout the course to enhance projects and diversify students' experience with various design software.

6712 - DESIGN & DRAWING FOR PRODUCTION

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s):

Credit: 1.00 **Weight:** 1.00

This technical drawing course provides a design problem approach which encourages creative thinking, decision making and problem-solving experiences. Students work through engineering drawings in order to communicate industry standards. Students are asked to translate drawings between drawing formats in order to meet the specifications. The student will examine past solutions, learn technical drawing processes, utilize design techniques and become critically active in the evaluation of his/her work and that of others. This course utilizes a hands-on approach and will be taught in the technology lab. This course satisfies the NYSED Fine Arts requirement.

6710 - SUNY CAD I

Offered in grade(s): 10, 11, 12

Prerequisite(s): Design and Drawing for Production **or** Studio Art **or** departmental approval

Credit: 1.00 **Weight:** 1.10

This course introduces students to industry leading drafting, animation, and picture editing software for use in engineering and architectural applications. Students spend the first quarter of the course working through engineering drawings using Autodesk AutoCAD. After the foundation of AutoCAD has been laid, students start working with Adobe Photoshop to add color and touch up complex CAD drawings. Adobe Illustrator finds its way into the program as students create CAD drawings with an intention for print media. The second semester transitions to 3D modeling and animation using Autodesk 3DS Max, and Autodesk Inventor. Students are also exposed to electronic publishing through MS office, and alternate CAD programs such as TinkerCAD, and sketch up. The course culminates in an Autodesk Certified User (ACU) certification. This certification is an industry-recognized credential that can effectively start students' careers as designers, engineers, and makers.

6709 - SUNY ARCHITECTURAL DRAWING

Offered in grade(s): 11, 12

Prerequisite(s): Computer Residential Drawing and College CAD, or departmental approval

Credit: 1.00 **Weight:** 1.10

This course is intended for junior level students and starts with a study of American architect Frank Lloyd Wright. Students learn the basics of Wright's design philosophy and study his methods through sketching, and isometric drafting. As the course evolves to the design stage, students are introduced to building information modeling software. BIM software allows students to think about a building as a whole unit rather than the traditional collection of 2D drawings. Students use Autodesk Revit to design classrooms, restaurants, residential homes, and apartment buildings. Students work on their architecture portfolios, build scale models, and refine presentation skills. Students are expected to use software from prerequisite classes to create section views, prepare presentations, and edit renderings. The course culminates in an architectural portfolio review and final project presentation and critique.

6717 - SUNY ARCHITECTURAL DESIGN

Offered in grade(s): 11, 12

Prerequisite(s): College Architectural Drawing

Credit: 1.00 **Weight:** 1.10

This is an architectural studio course that will focus on the preliminary design, schematic design, and design development of a building. Emphasis will be placed on developing the student's ability to research, analyze, and evaluate information as the design evolves.

Using AutoCAD, Revit, AutoCAD Architecture, Photoshop, Google Earth, and Civil 3-D, students will prepare a portfolio of architectural CAD drawings and develop an architectural model to be critiqued by a visiting committee. Students will also be required to be involved in a community service project as it relates to an architectural activity.

6717 - INTRODUCTION TO ENGINEERING DESIGN

Offered in grade(s): 10, 11, 12

Prerequisite(s):

Credit: 1.00 **Weight:** 1.0

PLEASE CHECK BACK ON 1/5/2024 FOR AN UPDATED COURSE DESCRIPTION.

COMPUTER SCIENCE

5600 - AP COMPUTER SCIENCE PRINCIPLES

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Algebra I

Credit: 1.00

Weight: 1.10

This course is designed to be equivalent to a first-semester introductory college computing course. In this course students will explore the creative aspects of programming, abstractions, algorithms, managing and interpreting large data sets, the internet, cyber-security concerns, and global computing impacts. This course will also consider the relationship between people and innovations in computing through the lens of their impact on society, the economy, and culture. This class will provide students with hands-on, real world experience in computer science, and includes two performance-based tasks as part of the culminating AP exam. Students are required to take the AP Computer Science Principles Examination (May).

4486 - AP COMPUTER SCIENCE A

Offered in grade(s): 10, 11, 12

Prerequisite(s): Algebra 2 or AP Computer Science Principles (or Robotics)

Credit: 1.00 **Weight:** 1.10

The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities. Students are required to take the AP Computer Science A Examination (May).

WORLD LANGUAGE

Language and communication are at the heart of the human experience. The goal of the World Language program of New Rochelle High School is to develop global citizens who are linguistically and culturally equipped to communicate confidently with language speakers across our ever-more-connected world. As students develop proficiency in a language, along with an understanding of the underlying values and beliefs of other cultures, they gain the skills that are essential to meaningful communication.

Year	French	Italian	Spanish	Mandarin	Latin
1	French 1	Italian 1	Spanish 1 Spanish Heritage 1 Native Lang. Arts 1	Mandarin 1	
2	French 2	Italian 2	Spanish 2 Spanish Heritage 2 Native Lang. Arts 2	Mandarin 2	
3	French 3 French 3 Honors	Italian 3 Italian 3 Honors	Spanish 3 Spanish Heritage 3 Spanish 3 Honors	Mandarin 3 Mandarin 3 Honors	Latin 3
4	Bridge-to-AP French	Bridge-to-AP Italian	SUNY Spanish* Bridge-to-AP Spanish	Bridge-to-AP Chinese	Bridge-to-AP Latin
5	AP French Language & Culture	AP Italian Language & Culture	AP Spanish Language & Culture AP Spanish Literature	AP Chinese Language & Culture	AP Latin Vergil

*Transferable credit is offered through SUNY Westchester Community College.

The NRHS World Language Dept. is proud to offer the NYS Seal of Bilitaracy.
Please see the [Honorary Seals](#) section for more information.

FRENCH COURSES

5010 - FRENCH 1

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): None

Credit: 1.00 **Weight:** 1.05

This introductory course in the study of French starts the three-year Checkpoint B sequence. Designed to introduce students to the French language and French-speaking cultures, French 1 prepares students to communicate authentically by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. Students are introduced to the relationships among the products, practices, and perspectives of French-speaking cultures.

5020 - FRENCH 2

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): French 1

Credit: 1.00 **Weight:** 1.05

French 2 builds upon skills developed in French 1, preparing students to communicate authentically by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Students will deepen their understanding of the relationships among the products, practices, and perspectives of French-speaking cultures.

5030 - FRENCH 3

Offered in grade(s): 10, 11, 12

Prerequisite(s): French 2

Credit: 1.00 **Weight:** 1.05

The basic foundation of French is completed this year. This course continues preparing students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Students continue to work toward the mastery of the essential elements of grammar and the development of a deep vocabulary to use the language proficiently. The French Checkpoint B Exam will be administered in June. Students must pass the Checkpoint B Exam to earn credit for this course.

5035 - FRENCH 3 HONORS

Offered in grade(s): 10, 11, 12

Prerequisite(s): A final grade of 85 or higher in French 2

Credit: 1.00 **Weight:** 1.10

The basic foundation of French is completed this year. Although the content is the same as French 3, this course is designed for the student capable of and interested in progressing through the material at an accelerated rate and exploring it in more depth. The French Checkpoint B Exam will be administered in June. Students must pass the Checkpoint B Exam to earn credit for this course.

5041 - BRIDGE-TO-AP FRENCH

Offered in grade(s): 11, 12

Prerequisite(s): A final grade of 85 or higher in French 3 or French 3 Honors

Credit: 1.00 **Weight:** 1.10

This advanced language course is intended to bridge students from intermediate-low proficiency to intermediate-high proficiency. The content of this course is thematically aligned to the AP French course, so that students who choose to continue on into AP French are well prepared.

5081 - AP FRENCH LANGUAGE & CULTURE

Offered in grade(s): 11, 12

Prerequisite(s): A final grade of 85 or higher in Bridge-to-AP French

Credit: 1.00 **Weight:** 1.10

Designed by the College Board to parallel third-year college-level courses in French language, the AP French Language and Culture course builds upon prior knowledge and develops students' ability to express ideas, exchange opinions, and present information, both orally and in writing. The course engages students in an exploration of culture in both contemporary and historical contexts and is structured around six themes that provide the context for developing advanced proficiency and refining communication skills in the language. Students are required to take the AP French Language and Culture Examination, which is administered in May.

SPANISH COURSES

5110 - SPANISH 1

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): None

Credit: 1.00 **Weight:** 1.05

This introductory course in the study of Spanish starts the three-year Checkpoint B sequence. Designed to introduce students to the Spanish language and Spanish-speaking cultures, Spanish 1 prepares

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students to communicate authentically by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. Students are introduced to the relationships among the products, practices, and perspectives of Spanish-speaking cultures.

5113 - NATIVE LANGUAGE ARTS SPANISH 1

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Teacher recommendation

Credit: 1.00 **Weight:** 1.05

This course is intended for native speakers of Spanish. The purpose of this course is for students to use their native language as a bridge while they develop language and cultural proficiency in Spanish as well as English. This will create an environment in which students' background knowledge and personal experiences are valued and utilized, leading to differentiated and culturally-responsive instruction.

5101 - SPANISH HERITAGE 1

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Teacher recommendation

Credit: 1.00 **Weight:** 1.05

This course prepares Spanish-speaking Heritage students to further their skills in Spanish, with a concerted focus on strengthening reading and writing skills. This course is intended for students who are proficient in English and are able to communicate socially in Spanish. The purpose of this course is for students to use their already developed listening and speaking skills as a bridge while they develop more proficiency in reading and writing skills in Spanish. This will create an environment in which students' background knowledge and personal experiences are valued and utilized, leading to differentiated and culturally-responsive instruction.

5120 - SPANISH 2

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Spanish 1

Credit: 1.00 **Weight:** 1.05

Spanish 2 builds upon skills developed in Spanish 1, preparing students to communicate authentically by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Students will deepen their understanding of the relationships among the products, practices, and perspectives of Spanish-speaking cultures.

5123 - NATIVE LANGUAGE ARTS SPANISH 2

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): NLA Spanish 1 and teacher recommendation

Credit: 1.00 **Weight:** 1.05

This course is intended for native Spanish speakers. The purpose of this course is for students to use their native language as a bridge while they strengthen their language and cultural proficiency in Spanish and English. This will create an environment in which students' background knowledge and personal experiences are valued and utilized, leading to differentiated and culturally-responsive instruction.

5131 - SPANISH HERITAGE 2

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Teacher recommendation

Credit: 1.00 **Weight:** 1.05

This course prepares Spanish-speaking Heritage students to further their skills in Spanish, with a concerted focus on strengthening reading and writing skills. This course is intended for students who are proficient in English and are able to communicate socially in Spanish. The purpose of this course is for students to use their already developed listening and speaking skills as a bridge while they develop more proficiency in reading and writing skills in Spanish. This will create an environment in which students' background knowledge and personal experiences are valued and utilized, leading to differentiated and culturally-responsive instruction.

5130 - SPANISH 3

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Spanish 2

Credit: 1.00 **Weight:** 1.05

The basic foundation of Spanish is completed this year. This course continues preparing students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Students continue to work toward the mastery of the essential elements of grammar and the development of a deep vocabulary to use the language proficiently. The Spanish Checkpoint B Exam will be administered in June. Students must pass the Checkpoint B Exam to earn credit for this course.

5132 - SPANISH HERITAGE 3

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Teacher recommendation

Credit: 1.00 **Weight:** 1.05

This course prepares Spanish-speaking Heritage students to further their skills in Spanish, with a concerted focus on strengthening reading and writing skills. This course is intended for students who are proficient in English and are able to communicate socially in Spanish. The Spanish Checkpoint B Exam will be administered in June. Students must pass the Checkpoint B Exam to earn credit for this course.

5135 - SPANISH 3 HONORS

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): A final grade of 85 or higher in Spanish 2

Credit: 1.00 **Weight:** 1.10

The basic foundation of Spanish is completed this year. Although the content is the same as Spanish 3, this course is designed for the student capable of and interested in progressing through the material at an accelerated rate and exploring it in more depth. The Spanish Checkpoint B Exam will be administered in June. Students must pass the Checkpoint B Exam to earn credit for this course.

5177 - SUNY SPANISH

Offered in grade(s): 10, 11, 12

Prerequisite(s): Spanish 3 or Spanish 3 Honors or Spanish 3 Heritage

Credit: 1.00 **Weight:** 1.10

This 200-level College Course provides students with the opportunity to develop their linguistic as well as communicative competencies in Spanish, based on readings of a literary and cultural nature, while providing additional review of grammar in the context of the reading selections. Westchester Community

WORLD LANGUAGE

College will grant 3 transferable credits for successful completion of this course. A modest tuition fee is charged by W.C.C.

5145 - BRIDGE-TO-AP SPANISH

Offered in grade(s): 10, 11, 12

Prerequisite(s): A final grade of 85 or higher in Spanish 3 or 3 Honors

Credit: 1.00 **Weight:** 1.10

This advanced language course is intended to bridge students from intermediate-low proficiency to intermediate-high proficiency. The content of this course is thematically aligned to the AP Spanish course, so that students who choose to continue on into AP Spanish are well prepared.

5175 - AP SPANISH LANGUAGE & CULTURE

Offered in grade(s): 11, 12

Prerequisite(s): A final grade of 85 or higher in Bridge-to-AP Spanish

Credit: 1.00 **Weight:** 1.10

Designed by the College Board to parallel third-year college-level courses in Spanish language, the AP Spanish Language and Culture course builds upon prior knowledge and develops students' ability to express ideas, exchange opinions, and present information, both orally and in writing. The course engages students in an exploration of culture in both contemporary and historical contexts and is structured around six themes that provide the context for developing advanced proficiency and refining communication skills in the language. Students are required to take the AP Spanish Language and Culture Examination, which is administered in May.

5176 - AP SPANISH LITERATURE

Offered in grade(s): 11, 12

Prerequisite(s): A final grade of 85 or higher in AP Spanish Language & Culture

Credit: 1.00 **Weight:** 1.10

Designed by the College Board to parallel college-level Introduction to Hispanic Literature courses, the AP Spanish Literature and Culture course covers representative works from the literatures of Spain and Spanish America, encompassing all genres. The course builds students' Spanish language proficiency, with special attention given to critical opinions and literary analyses in oral and written Spanish. Students are encouraged to relate the texts to their cultural contexts. Students are required to take the AP Spanish Literature Examination, which is administered in May.

ITALIAN COURSES

5210 - ITALIAN 1

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): None

Credit: 1.00 **Weight:** 1.05

This introductory course in the study of Italian starts the three-year Checkpoint B sequence. Designed to introduce students to the Italian language and culture, Italian 1 prepares students to communicate authentically by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. Students are introduced to the relationships among the products, practices, and perspectives of Italian-speaking cultures.

5220 - ITALIAN 2

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Italian 1

Credit: 1.00 **Weight:** 1.05

Italian 2 builds upon skills developed in Italian 1, preparing students to communicate authentically by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Students will deepen their understanding of the relationships among the products, practices, and perspectives of Italian-speaking cultures.

5230 - ITALIAN 3

Offered in grade(s): 10, 11, 12

Prerequisite(s): Italian 2

Credit: 1.00 **Weight:** 1.05

The basic foundation of Italian is completed this year. This course continues preparing students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Students continue to work toward the mastery of the essential elements of grammar and the development of a deep vocabulary to use the language proficiently. The Italian Checkpoint B Exam will be administered in June. Students must pass the Checkpoint B Exam to earn credit for this course.

5235 - ITALIAN 3 HONORS

Offered in grade(s): 10, 11, 12

Prerequisite(s): A final grade of 85 or higher in Italian 2

Credit: 1.00 **Weight:** 1.10

The basic foundation of Italian is completed this year. Although the content is the same as Italian 3, this course is designed for the student capable of and interested in progressing through the material at an accelerated rate and exploring it in more depth. The Italian Checkpoint B Exam will be administered in June. Students must pass the Checkpoint B Exam to earn credit for this course.

5245 - BRIDGE-TO-AP ITALIAN

Offered in grade(s): 10, 11, 12

Prerequisite(s): A final grade of 85 or higher in Italian 3 or Italian 3 Honors

Credit: 1.00 **Weight:** 1.10

This advanced language course is intended to bridge students from intermediate-low proficiency to intermediate-high proficiency. The content of this course is thematically aligned to the AP Italian course, so that students who choose to continue on into AP Italian are well prepared.

5275 - AP ITALIAN LANGUAGE & CULTURE

Offered in grade(s): 12

Prerequisite(s): A final grade of 85 or higher in Bridge-to-AP Italian

Credit: 1.00 **Weight:** 1.10

Designed by the College Board to parallel third-year college-level courses in Italian language, the AP Italian Language and Culture course builds upon prior knowledge and develops students' ability to express ideas, exchange opinions, and present information, both orally and in writing. The course engages students in an exploration of culture in both contemporary and historical contexts and is structured around six themes that provide the context for developing advanced proficiency and refining communication skills in the language. Students are required to take the AP Italian Language and Culture Examination, which is administered in May.

CHINESE/MANDARIN COURSES

5300 - MANDARIN 1**Offered in grade(s):** 9, 10, 11, 12**Prerequisite(s):** None**Credit:** 1.00 **Weight:** 1.05

This introductory course in the study of Chinese starts the three-year Checkpoint B sequence. Designed to introduce students to the Chinese language and culture, Mandarin 1 prepares students to communicate authentically by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. Students are introduced to the relationships among the products, practices, and perspectives of Mandarin-speaking communities.

5320 - MANDARIN 2**Offered in grade(s):** 9, 10, 11, 12**Prerequisite(s):** Mandarin 1**Credit:** 1.00 **Weight:** 1.05

Mandarin 2 builds upon skills developed in Mandarin 1, preparing students to communicate authentically by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Students will deepen their understanding of the relationships among the products, practices, and perspectives of Mandarin-speaking communities.

5330 - MANDARIN 3**Offered in grade(s):** 9, 10, 11, 12**Prerequisite(s):** Mandarin 2**Credit:** 1.00 **Weight:** 1.05

The basic foundation of Chinese is completed this year. This course continues preparing students to communicate authentically in Chinese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Students continue to work toward the mastery of the essential elements of grammar and the development of a deep vocabulary to use the language proficiently. The Mandarin Checkpoint B Exam will be administered in June. Students must pass the Checkpoint B Exam to earn credit for this course.

5335 - MANDARIN 3 HONORS**Offered in grade(s):** 9, 10, 11, 12**Prerequisite(s):** A final grade of 85 or higher in Mandarin 2**Credit:** 1.00 **Weight:** 1.10

The basic foundation of Chinese is completed this year. Although the content is the same as Mandarin 3, this course is designed for the student capable of and interested in progressing through the material at an accelerated rate and exploring it in more depth. The Mandarin Checkpoint B Exam will be administered in June. Students must pass the Checkpoint B Exam to earn credit for this course.

5345 - BRIDGE-TO-AP CHINESE**Offered in grade(s):** 10, 11, 12**Prerequisite(s):** A final grade of 85 or higher in Mandarin 3 or Mandarin 3 Honors**Credit:** 1.00 **Weight:** 1.10

This advanced language course is intended to bridge students from intermediate-low proficiency to intermediate-high proficiency. The content of this course is thematically aligned to the AP Chinese course, so that students who choose to continue on into AP Chinese are well prepared.

5375 - AP CHINESE LANGUAGE & CULTURE

Offered in grade(s): 11, 12

Prerequisite(s): A final grade of 85 or higher in Bridge-to-AP Chinese

Credit: 1.00 **Weight:** 1.10

Designed by the College Board to parallel third-year college-level courses in Italian language, the AP Italian Language and Culture course builds upon prior knowledge and develops students' ability to express ideas, exchange opinions, and present information, both orally and in writing. The course engages students in an exploration of culture in both contemporary and historical contexts and is structured around six themes that provide the context for developing advanced proficiency and refining communication skills in the language. Students are required to take the AP Italian Language and Culture Examination, which is administered in May.

LATIN COURSES

5430 - LATIN 3

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Latin 2

Credit: 1.00 **Weight:** 1.05

This course completes the study of Latin forms and syntax. Students develop translation skills through reading short excerpts of Cicero, Martial, Seneca and Horace. Students also develop a greater awareness of Rome's cultural contribution to Western civilization. All materials from Latin 1 and Latin 2 are integrated in preparation for the Checkpoint B examination.

5440 - BRIDGE-TO-AP LATIN

Offered in grade(s): 10, 11, 12

Prerequisite(s): A final grade of 85 or higher in Latin 3

Credit: 1.00 **Weight:** 1.10

In this course, students focus on translation techniques by reading portions of Cicero's *In Catilinam*, Ovid's *Metamorphoses*, the poetry of Catullus, and Vergil's *Aeneid*. Students explore the social context of each text and the style of each author and develop the skills required for literary analysis.

5475 - AP LATIN: VERGIL

Offered in grade(s): 11, 12

Prerequisite(s): A final grade of 85 or higher in Latin 4 Honors

Credit: 1.00 **Weight:** 1.10

This course provides students with an opportunity to translate, analyze, and discuss Virgil's epic, the *Aeneid*. Students hone their ability to translate with speed and accuracy, to acquire appropriate vocabulary and to identify key themes and ideas. Students also further their analytic and writing skills by communicating critical interpretations of Latin passages in lucid prose. Successful completion of this course prepares students to perform ably on the AP Vergil exam in May, which is required for all students.



Introduction to Career & Technical Education (iCTE)

The iCTE classes are offered in the AM session only.

Courses available at the Southern Westchester BOCES Center for Career Services offer practical, hands-on career training for students which can give them a head start in the job market. Introduction to Career and Technical Education courses are available in the following areas:

Auto Body & Detailing

In this program, students will learn proper shop safety, detailing, polishing, dent repair, sheet metal fabrication, refinishing, custom painting, and other aspects of collision repair. In addition, students will gain experience in problem solving, teamwork, decision making, critical thinking, and professionalism while learning a marketable skill.

Automotive Trades & Maintenance

Students learn entry level automotive repair, maintenance and shop safety skills required to become employable in the automotive industry. Training areas include: Wheels and tires, lubrication, brakes, steering and suspension, engine tune-ups, electrical systems, and small engine repair.

Baking, Food, & Retail Service

Students will learn aspects of baking, food, and retail service. They will be exposed to general food preparation techniques while working in a commercial kitchen / café setting. Skills include following proper health and sanitation procedures, general prep work, following recipes, cooking, measuring, mixing ingredients, baking, inventory, packaging, ordering, and customer service in culinary /food, money skills, cleaning, stocking and marketing products.

Intro to Applied Art and Design

Students in this program will be exposed to basic art design skills including drawing, sketching, model making and 3D art. Students will learn how to apply the elements of art principles to various art and design related fields. Students will have the opportunity to be exposed to Adobe Illustrator and Adobe Photoshop, which are commonly used in many entry level design fields.

Intro to Fashion & Retail

Students in this program learn entry level skills linked to the exciting world of Fashion / Retailing. Students will be exposed to retail math, sales, stock and inventory control, merchandising, color theory, customer service and elements of design.

General Maintenance Assistant

Students will be exposed to basic plumbing, electrical, carpentry, painting, sheet rocking, taping, tiling, cleaning, and maintenance. Students will learn proper shop safety procedures, measuring, tool identification and usage while they gain the required social skills and collaboration to secure employment in the industry.

Office Skills & Occupations

This program prepares students for entry level office positions. Coursework includes instruction in the Microsoft Office Suite, Business Simulations, filing, shredding, office machine operation, and Google Applications.



CAREER & TECHNICAL EDUCATION

Southern Westchester BOCES Center for Career Services offers a wide variety of Career and Technical Education (CTE) two-year programs (worth four credits each) designed to provide rigorous curriculum that engages students in the acquisition of academic and technical knowledge and skills, leadership opportunities and real-world applications. CTE courses enable students to explore career options and interests while gaining valuable knowledge and workplace readiness skills that prepare them for a wide range of high-demand careers, whether they continue to post-secondary studies or enter the workforce directly. CTE uses contextual learning to help students find relevance in the meaning and purpose of their learning. CTE courses are available to New Rochelle High School students enrolled in the eleventh and twelfth grades.

Students completing one of Southern Westchester BOCES certified CTE programs have the opportunity to earn a technical endorsement on either their Regents Diploma or Regents Diploma with Advanced Designation. This endorsement signifies that students have met rigorous and relevant industry standards. In order to be eligible to receive a diploma with a technical endorsement, students must pass an industry-developed technical assessment consisting of written examination(s), student project (s) and student demonstration (s) of technical skills that measure proficiency in a specific technical field through the application of national standards.

Students attend the BOCES Center for Career Services during either the *morning* or *afternoon* sessions and take their academic courses at New Rochelle High School during the other half of the school day. Students enrolled in Career and Technical Education courses are still able to participate in the co-curricular activities and sports programs offered after school. Bus transportation is provided between New Rochelle High School and the Southern Westchester BOCES campus, or students may drive with permission of their parent or guardian and the NRHS principal.

Students enrolled in Career and Technical Education courses can obtain national and state industry certification and a technical endorsement on their high school diploma in one of the following areas (Note course descriptions are excerpted from the Southern Westchester BOCES Center for Career Services program catalogue; additional program information is available at www.swboces.org/services.cfm).



9072 ANIMAL SCIENCE 1

9074 ANIMAL SCIENCE 2

4.0 Units

In the Animal Science program students will have the opportunity to work with live animals as they learn how to properly handle and care for animals. Students will perform different veterinary procedures, including how to measure heart rate and temperature, how to collect and analyze samples, and learn to use a microscope and other veterinary tools. Students will have the opportunity to learn about animal physiology and anatomy of animals through dissections, labs, and care of classroom animals. The course will cover topics ranging from anatomy and physiology to veterinary office management. This course will provide students with a foundation in veterinary terminology and procedures, which will help students, succeed in their future careers in animal science as veterinarians, veterinary technicians, and veterinary assistants.



9099 ARCHITECTURE AND INTERIOR DESIGN 1/ 3D ART 1

9119 ARCHITECTURE AND INTERIOR DESIGN 2/ 3D ART 2

4.0 Units

The Architecture and Interior Design program is an introduction to the elements and principles of art and design. The program combines graphic design skills using Illustrator and Photoshop with a focus on its uses in the interior design field. The curriculum includes an overview of the history of architecture, furniture design, perspective drawing and rendering, drafting and Computer Aided Design. A student completing the two-year program leaves with a comprehensive portfolio as well as internship opportunities.

CAREER & TECHNICAL EDUCATION



9130 AUTOMOTIVE TECHNOLOGY 1
9131 AUTOMOTIVE TECHNOLOGY 2
 4.0 Units

Students receive hands-on experience in the repair and diagnosis of foreign and domestic vehicles. Topics include engine performance; electrical systems; brake systems; suspension and steering systems; and diagnostic and fault tracing techniques. After completing this two-year program, students can work as general service technicians, brake and alignment technicians, engine tune-up technicians, and auto parts specialists. Students also have the opportunity to receive college incentives, paid summer internships and a Snap-On tool kit at a discount for those who complete the program. AYES (Automotive Youth Educational Systems) and ASE (Automotive Service Excellence) certification are available.



9085 COMMERCIAL ART 1/MULTIMEDIA 1
9086 COMMERCIAL ART 2/MULTIMEDIA 2
 4.0 Units

The Commercial Art program includes instruction in a variety of topics including illustration, animation, advertising, marketing, figure drawing, art history and portfolio development. All computer design work is done with the CS6 Adobe Creative Suite. The computer software instruction includes Photoshop, Illustrator, Flash and In-design. While graduates will find jobs as graphic or commercial designers, illustrators and animators, many choose to pursue a post-secondary degree. Six college credits are available for students who fulfill the Commercial Art requirements. This two-year program is recognized by major art schools throughout the country.



9132 COLLISION TECHNOLOGY 1
9133 COLLISION TECHNOLOGY 2
 4.0 Units

The Auto Collision program provides instruction into the repair and restoration of damaged automobiles. Student will learn the skills and procedures specific to complete auto collision repair such as, repairing and replacing damaged vehicle body parts and removing damage and dents using metalworking techniques. Students will also learn welding technology, rust repair, mixing and applying fillers, primers, paints and finishes, repairing electrical systems, and repair of collision damaged suspension systems as well as cooling and air conditioning systems. Students are also trained in servicing vehicle trim and glass, as well as estimating repair costs and managing their own shop. As a skilled technician, graduates will be able to find employment as an auto body technician, body shop manager, supply representative, insurance adjuster, or perhaps even a shop owner.



9071 COMPUTER INFORMATION SYSTEMS & MEDICAL ADMINISTRATIVE ASSISTANT 1
9073 COMPUTER INFORMATION SYSTEMS & MEDICAL ADMINISTRATIVE ASSISTANT 2

4.0 Units

This program offers students the opportunity to develop a deeper understanding of Microsoft Office Suite and Google Drive tailored for use in general business setting as well as the medical field. Students gain an in-depth knowledge of Word, Excel, PowerPoint, Access, Outlook and OneNote while learning in a simulated office environment. Successful students will be eligible to obtain certifications as a Microsoft Office Specialist or Medical Administrative Assistant.



9064 CONSTRUCTION/PLUMBING 1
9065 CONSTRUCTION/PLUMBING 2
 4.0 Units

This course follows the National Center for Construction Education and Research construction (NCCER) plumbing curriculum. Students will acquire basic plumbing and construction skills through authentic work-based projects and activities. The Construction/Plumbing instruction is supported with NCCER core curriculum, providing students with the needed "construction work-site" safety knowledge. Students who successfully complete this program are eligible for pre-apprenticeship plumbing construction opportunities.



9055 COSMETOLOGY 1
9056 COSMETOLOGY 2
 4.0 Units

The Cosmetology program is a two-year course that provides 1,000 hours of NYS cosmetology approved instruction that leads to the New York State Cosmetology Board examination. Topics of study include hair styling, coloring, natural hairstyling, cosmetics and aesthetics. Upon successful completion, students are granted a temporary NYS Cosmetology license that will facilitate employment in the cosmetology field until the successful completion of the permanent NYS cosmetology examination.

CAREER & TECHNICAL EDUCATION



9060 CULINARY ARTS 1

9061 CULINARY ARTS 2

4.0 Units

Students acquire the needed entry level culinary skills and learn the fundamental concepts and techniques of cooking in the Culinary Arts Program. Training in cooking methods such as; butchering, baking, nutrition, menu planning and catering is provided. Job opportunities include employment as a specialty cook/chef, caterer, food production, restaurant manager, and restaurateur. Internships and Capstone opportunities in local area culinary establishments are available for interested students.



9052 ELECTRICAL CONSTRUCTION 1

9053 ELECTRICAL CONSTRUCTION 2

4.0 Units

The Electrical Construction program offers each student the opportunity to learn basic electrical skills and progress to the cutting edge of 21st century green technologies. In each class, students construct the circuits discussed, gaining skills and experience as they move from residential into commercial and industrial wiring. The materials, meters and methods used give students an in-depth understanding of their field and knowledge needed to work with the latest environmentally friendly, or “green” technologies. Students are prepared to earn certification through the National Center for Construction Education and Research (NCCER). Post-secondary education in the electrical industry is available one-two-and four year college programs. Specialized training is also available at technical schools or through apprenticeships, and some employers pay for such education. Successful Electrical Trade students are well-prepared for entry into work force or for advanced study in college, technical school or apprenticeship.



9101 NURSING ASSISTANT 1

9103 NURSE ASSISTANT 2

4.0 Units

Students can prepare for a medical career by participating in supervised clinical rotations in an extended care facility with classroom theory and lab practice in the Nursing Assistant program. This course allows students to work directly with patients while preparing for the New York State Department of Health Certified Nurse Assistant examination. Students will acquire entry level knowledge and skills for a fulfilling lifetime career.



9161 EMERGENCY MEDICAL SERVICES 1

9162 EMERGENCY MEDICAL SERVICES 2

4.0 Units

This Emergency Medical Services course is designed for anyone interested in working in public safety, including fire, police and ambulance operations. Its purpose is to provide students with an academic and working knowledge to become state certified as an EMT. It is the prerequisite to becoming a paramedic. Through lectures, interactive presentations, skills labs, and simulations, students build the knowledge and skills to provide basic life support to critically ill and injured patients. Students learn to manage an airway using artificial devices, assess the severity of illness or injury, assist with the administration of some medications, manage wounds and bleeding, immobilize fractures, perform CPR, utilized an automated defibrillator and a host of other procedures. Students must complete 10 hours of observation under the supervision of a preceptor at a designated ambulance company or hospital. Students who successfully complete this program are eligible to take the New York State Certified First Responder (CFR) and/or Emergency Medical Technician (EMT) Examination. Seniors are eligible to receive five college credits from Westchester Community College.



9155 FASHION DESIGN & MERCHANDISING 1

9156 FASHION DESIGN & MERCHANDISING 2

4.0 Units

This program provides a supportive and rigorous training ground for a career in the fashion and a retail merchandising field. The goal is to introduce students to the world of fashion by giving them a complete overview of the skills necessary to pursue a career in the fashion industry. The curriculum mirrors the courses required by industry recognized fashion design colleges with units of study that include: Fashion Drawing, History of Fashion, Textile Studies, Computer Aided Designing, Pattern-making/ Draping, Sewing Techniques, and Merchandising. Our comprehensive curriculum enables students to have a competitive advantage in the admissions process of post-secondary institutions.

CAREER & TECHNICAL EDUCATION



9100 PRE-ENGINEERING 1/ C.A.D. 1

4.0 Units

Pre-Engineering is a two year course designed to introduce students to the world of technology and engineering. The course will provide opportunities to apply science, technology, mathematics and communication skills through project-based instruction that will promote real world applications. Many of the different fields of engineering (Mechanical, Civil, and Robotics Engineer) as well as engineering concepts and principles will be explored. With a teaming approach, students will learn and apply the design process, develop organizational, problem solving and creative and analytical-thinking skills. This course can be a starting point for students interested in entering the field of engineering.



9195 SECURITY, LAW & POLICING 1

9196 SECURITY, LAW & POLICING 2

4.0 Units

The Security, Law, and Policing program is a two-year program that provides classroom and practical experience for students interested in becoming first responders, including police officers and firefighters. Students enrolled in this program are trained in policing techniques and HAZMAT controls. This is a comprehensive program that will be a starting point for students interested in entering the field of law enforcement and or the armed forces.



9125 SOUND PRODUCTION 1

9126 SOUND PRODUCTION 2

4.0 Units

The Sound Production program is focused on the art, science and creative nature of sound recording. Integrating the history, future technologies and business techniques to aid the student in becoming a true professional in the field. It includes the use of the latest professional hardware and software such as Pro Tools, which is known as the industry standard in recording and production houses. The program will touch upon all aspects of sound in the analog and digital realm but specializes in the areas of music, field post production. With a high end recording booth and control room, it offers students the opportunity to learn professional techniques for performing and recording music as well as discover and express their own creativity. Not to mention, the student is learning in an environment designed to mimic real world recording and broadcast studios. All of these factors will create a well-rounded student ready to start his or her career in the industry.



9120 TV/VIDEO PRODUCTION 1

9121 TV/VIDEO PRODUCTION 2

4.0 Units

Are you interested in work that taps your creative processes? The New York City area has countless jobs in audio and video production that will satisfy this drive! You can be a part of this world through completion of the CCS TV/ Video Production program, a two-year project-based experience in digital media that focuses on video and audio production in the studio and in the field. In this program, students are encouraged to learn through an in-depth exploration of creative ideas. Gain technical knowledge as well as the esthetic conventions of different genres, such as news, documentary, narrative and live studio programming through this program where upgraded and advanced materials and equipment are in place, and where partnerships with two and four-year colleges enable accelerated coursework for program graduates.

Center for
Career
Services

CAREER & TECHNICAL EDUCATION



Center for Career Services: Career and Technical Education

The Center for Career Services has been approved by the New York State Education Department to recommend the following integrated academic credit as part of the Secondary Career and Technical Education (CTE) program.

To be eligible for these credits students must:

- Have successfully completed and passed a two year NYSED approved sequence in CTE
- Have at least seven quarters of enrollment in the integrated subject area
- Have passed the Regents exam, or approved RCT alternatives, for that subject area

INTEGRATED ACADEMIC COURSES AT SW BOCES

Program		Credit	
Animal Science	English 12	Math	Science
Architecture & Interior Design / 3D Art	English 12	Math	
Automotive Technology	English 12	Math	
CISCO	English 12	Math	Science
Collision Technology	English 12	Math	
Commercial Art / Multimedia	English 12	Math	
Computer Information Systems & Medical Administra-	English 12	Math	
Construction / Plumbing	English 12	Math	
Cosmetology	English 12		Science
Culinary Arts	English 12	Math	
Electrical Construction	English 12	Math	
Emergency Medical Services (EMS)	English 12		Science
Fashion Design & Merchandising	English 12		
Nursing Assistant	English 12		Science
Pre-Engineering / Auto Cad	English 12	Math	Science
Security, Law & Policing	English 12		Science
Sound Production	English 12		Science
TV / Video Production	English 12		

Technical Endorsement:

A Center for Career Services student can also gain a technical endorsement on his or her Regents Diploma that reflects student achievements, if the student:

- ⇒ Completes all graduation requirements and the CTE sequence requirements
- ⇒ Passes a technical assessment
- ⇒ Passes the required Regents exams (or approved alternatives)

Multiple Pathways – 4+1 Graduation Option:

Please contact the Center for Career Services to inquire about the technical assessments currently approved by NYSED to complete the CTE pathway option.

ENGLISH AS A NEW LANGUAGE

The English as a New Language (ENL) program provides high-quality English language instruction that assists students with acquiring the basic interpersonal communication skills and essential academic language proficiency to function successfully in content classrooms. The program enrolls linguistically and culturally diverse students who require intensive instruction in English as a new language. There are two components to the NRHS program:

- ENL/English Instruction:** The language arts instructional component includes English language arts (ELA) instruction and ENL instruction. The Learning Standards for ELA are the basis for the ENL curriculum. Students learn to recognize and use language explicit to the task in the four domains of reading, writing, speaking and listening through engaging interactions with teachers and peers. All ENL courses which receive English credit are taught in an integrated model with a licensed English teacher.
- Sheltered Content Area Instruction:** The sheltered component provides instruction in English in Sheltered classes in the required content area subjects (social studies, math and science) supported by ENL methodologies, employed in a systematic and structured way, designed to develop cognitive skills.

All program participants take the New York State English as a Second Language Achievement Test (NYSESLAT) in the spring of each year to determine continued eligibility and the level of service along the Units of Study Continuum.

ENL Course Offerings				
Course Number	Course	Grade Level	ENL Credit	English Credit
3550	ENL Fundamentals	9, 10, 11, 12	1.00	0.00
3551 3552	ENL 1 Entering 9/10 ENL 1 Entering 11/12	9, 10 11, 12	1.00	1.00
3553 3554	ENL 2 Emerging 9/10 ENL 2 Emerging 11/12	9, 10 11, 12	1.00	1.00
3555 3556	ENL 3 Transitioning 9/10 ENL 3 Transitioning 11/12	9, 10 11, 12	1.00	1.00
3557 3558	ENL 4 Expanding 9/10 ENL 4 Expanding 11/12	9, 10 11, 12	1.00	1.00
3559 3560	ENL 5 Commanding 9/10 ENL 5 Commanding 11/12	9, 10 11, 12	0.50	0.00

ENGLISH AS A NEW LANGUAGE

Sheltered Course Offerings		
MATH		
4033	ALGEBRA 1A SHELTERED	1 credit
4034	ALGEBRA 1B SHELTERED	1 credit *
4056	TOPICS IN GEOMETRY SHELTERED	1 credit
SCIENCE		
4520	GENERAL SCIENCE SHELTERED	1 credit
4521	PHYSICAL SCIENCE SHELTERED	1 credit
4528	APPLIED LIFE SCIENCE SHELTERED	1 credit
4529	LIVING ENVIRONMENT SHELTERED	1 credit *
4533	EARTH SCIENCE SHELTERED	1 credit *
SOCIAL STUDIES		
3619	GLOBAL HISTORY I SHELTERED	1 credit
3621	GLOBAL HISTORY II SHELTERED	1 credit *
3725	U.S. HISTORY SHELTERED	1 credit *
3835	AMERICAN SOCIETY I W/ GOV SHELTERED	.5 credit
3837	AMERICAN SOCIETY II W/ ECONOMICS SHELTERED	.5 credit
5626	FAMILY & CONSUMER ECONOMICS SHELTERED	.5 credit
BUSINESS		
5624	DIGITAL LITERACY SHELTERED	.5 credit
5626	FAMILY AND CONSUMER ECON SHELTERED	.5 credit

*Terminates in Regents Examination

HUGUENOT ACADEMY

The Huguenot Academy, a part of New Rochelle High School, is designed to provide students 9-12 with the private school experience utilizing smaller classes and increased social connection in which students pursue their high school diploma. The small class sizes, personalized attention, academic supports, counseling supports, and a variety of instructional approaches, help each student work toward achieving their greatest potential academically, socially, & emotionally. Our students graduate prepared to move into spaces in higher education, the military, the work force, or self & world exploration with the skills they need to advocate for themselves and engage successfully with people and the world around them.



The goals of the program are to:

- Promote academic, emotional, and civic growth yielding highly engaged and productive members of society
- Provide a more individualized model of support and academic experience
- Support students in their goal of graduating with their cohort
- Prepare students for all types of post-secondary experiences, whether it be continued education, the military, or the workforce and help them map their post graduation timeline/experiences
- Strengthen student confidence and engagement
- Help students develop the “soft skills” (time management, executive functioning skills, coping mechanisms, etc.) necessary to be successful
- Provide community connection via integrated experiential learning opportunities
- Provide increased family engagement opportunities

Referrals to the Academy may be made via counselor, support staff, or administration at the main campus. Parents may reach out to Huguenot Academy directly if they are interested in their scholar attending the Academy.

ENGLISH COURSES**3101 - ENGLISH 1****Offered in grade(s):** 9**Prerequisite(s):** 8th Grade English**Credit:** 1.00 **Weight:** 1.05

Ninth grade Regents classes address the curricular imperatives and literacy standards implicit in the demands of the Common Core Regents examination. The literature component of the course focuses on teaching students how to read and interpret various genres – novels, plays, short stories, and poems – within the context of several connective themes, particularly that of “characters and conflict.” The writing component builds to the evidence based claim. Writing begins with the single paragraph which leads to the development of the multi-paragraph essay in which thesis-support concepts are central. A thorough review of grammar, syntax, and sentence combining techniques occurs within the context of the writing program.

3102 - ENGLISH 1 CREDIT RECOVERY**Offered in grade(s):** 10, 11, 12**Prerequisite(s):** Attempted English 1**Credit:** 1.00 **Weight:** 1.00

This course is for students who did not pass English 1. Credit recovery is a targeted experience, specifically for students who attended and failed a course in a prior school year.

3201 - ENGLISH 2**Offered in grade(s):** 10**Prerequisite(s):** English 1**Credit:** 1.00 **Weight:** 1.05

The tenth grade curriculum reinforces and expands upon those skills introduced in grade nine. The literature component of the course continues to emphasize the reading of novels, plays, short stories, poems, and selected nonfiction and seeks to further students’ ability to draw independent but supportable conclusions from the text. In addition, students examine how authors use specific literary techniques to develop key themes and concepts. Grade 10 continues to review topics in grammar, syntax, and sentence combining with a special emphasis on usage and diction.

3300 - ENGLISH 3**Offered in grade(s):** 11**Prerequisite(s):** English 2 (Regents Exam Required)**Credit:** 1.00 **Weight:** 1.05

Grade 11 provides extensive reinforcement of those introduced language arts skills required for the Examination in English Language Arts. The curriculum introduces students to the periods, movements, and forms of American literature, placing special emphasis on the critical reading of major American authors. The writing program focuses on the document based argument essay and shorter literary analysis study which reflect the tasks on the Regents examination. and comparative essays which reflect the tasks on the Regents assessment.

3445 - MYSTERY

Offered in grade(s): 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

In this course, students will hone active reading and critical thinking skills through the literature of mystery genre. They will read mystery poems, short stories, and full-length classic and modern texts and will respond to those texts in various forms of writing. Students will be trained to solve mini-mysteries and to extract and follow both straight and circuitous trails of clues.

3450 - CREATIVE WRITING

Offered in grade(s): 12

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

This course will introduce students to the idea of real workshop skills as they fashion original writing in a variety of genres. As a part of a community of writers, pupils will respond to a spectrum of writing prompts, learn and apply proofreading and editing skills and produce original works of which they might be proud.

3375 - AP ENGLISH LANGUAGE

Offered in grade(s): 11

Prerequisite(s): Teacher Recommendation (AP Exam Required)

Credit: 1.00 **Weight:** 1.10

The AP English Language and Composition course is designed to help students become skilled readers of prose written in a variety of rhetorical contexts and to become skilled writers who compose for a variety of purposes. Both writing and reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing.

SOCIAL STUDIES COURSES

3600 - GLOBAL HISTORY AND GEOGRAPHY I - BUILDING BLOCKS OF HISTORY

Offered in grade(s): 9

Prerequisite(s):

Credit: 1.00 **Weight:** 1.05

Grade 9 begins with the Paleolithic Era and the development of the first civilizations, continues with an examination of classical societies, and traces the expansion of trade networks and their global impact. The course emphasizes the key themes of interactions over time, shifts in political power, and the role of belief systems. Students are taught how to effectively utilize essential Social Studies Practices such as: Gathering, Interpreting, and Using Evidence, Chronological Reasoning and Causation, Comparison and Contextualization, Geographic Reasoning, Economics and Economics Systems, and Civic Participation.

3601 - GLOBAL HISTORY I CREDIT RECOVERY

Offered in grade(s): 10, 11, 12

Prerequisite(s): Attempted Global History I

Credit: 1.00 **Weight:** 1.00

This course is for students who did not pass Global History I. Credit recovery is a targeted experience, specifically for students who attended and failed a course in a prior school year.

3604 - GLOBAL HISTORY AND GEOGRAPHY II - EXPLORING THE WORLD THROUGH HISTORY

Offered in grade(s): 10

Prerequisite(s): Global History I

Credit: 1.00 **Weight:** 1.05

Grade 10 provides a snapshot of the world circa 1750. The course continues chronologically up to the present. Several concepts are woven throughout the course including industrialization, nationalism, imperialism, conflict, technology, and the interconnectedness of the world. The last three Key Ideas focus on global issues, applying a more thematic approach. In addition to content, students are taught how to effectively utilize essential Social Studies Practices such as: Gathering, Interpreting, Using Evidence, Chronological Reasoning and Causation, Comparison and Contextualization, Geographic Reasoning, Economics and Economics Systems, and Civic Participation.

3614 - GLOBAL HISTORY II CREDIT RECOVERY

Offered in grade(s): 11, 12

Prerequisite(s): Attempted Global II

Credit: 1.00 **Weight:** 1.00

This course is for students who did not pass Global History II. Credit recovery is a targeted experience, specifically for students who attended and failed a course in a prior school year.

3700 - UNITED STATES HISTORY & GOVERNMENT

Offered in grade(s): 11

Prerequisite(s): Global History II or AP World History

Credit: 1.00 **Weight:** 1.05

This course begins with the colonial and constitutional foundations of the United States and explores the government structure and functions written in the Constitution. The development of the nation and the political, social, and economic factors that led to the challenges our nation faced in the Civil War are addressed. Industrialization, urbanization, and the accompanying problems are examined, along with America's emergence as a world power, the two world wars of the 20th century, and the Cold War. Oral presentations, research skills (Research to build and present knowledge, and the analysis of primary and secondary source documents) will be emphasized. Students will be required to complete a major research paper.

3770 - AP U.S. HISTORY

Offered in grade(s): 11

Prerequisite(s): Global History II or AP World History & Departmental Approval

Credit: 1.00 **Weight:** 1.10

AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use skills for analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society. The rigor of this course prepares students to meet the mastery level for the NYS U.S. History & Government Regents exam.

Students may be granted college credit or placement for this course based upon their performance in the AP United States History examination which students are required to take in May.

3648 - CONTEMPORARY AMERICAN SOCIETY A**3649 - CONTEMPORARY AMERICAN SOCIETY B****Offered in grade(s):** 12**Prerequisite(s):****Credit:** 1.00 **Weight:** 1.00

This full-year course sequence is an introduction to basic concepts and principles of Economics and Law and Government. Using varied approaches, this course focuses on current events to study American politics and economics. Topics include: supply and demand, personal financial planning, the stock market, the federal/state government in action, political parties and interest groups, civil and criminal law, and basic civil rights. Economic, social and political trends will be presented to help students make informed decisions as future voters. This course satisfies the state mandated requirement of Economics and Law and Government.

3801 - PSYCHOLOGY**Offered in grade(s):** 11, 12**Prerequisite(s):****Credit:** 0.50 **Weight:** 1.00

The basic goal of this introductory course is to familiarize students with concepts and principles of psychology so that they will be able to understand the psychological processes which have shaped their behavior. Personality, gender, theories of learning, altered states of consciousness, and human development are among the topics that will be studied and discussed.

3800 - ABNORMAL PSYCHOLOGY**Offered in grade(s):** 12**Prerequisite(s):****Credit:** 0.50 **Weight:** 1.00

This course provides an overview of the field of abnormal psychology. The focus is on forms of psychopathology - anxiety, depression, and other disorders - their causes, and diagnostic and treatment options.

3888 - SOCIOLOGY OF HORROR IN FILM**Offered in grade(s):** 12**Prerequisite(s):****Credit:** 0.50 **Weight:** 1.00

What scares you more- a CGI monster in a horror movie, or capabilities of real human beings? The Sociology of Horror Films explores America's fascination with the unknown, as well as our tendency to mirror Horror genre monsters and conflicts in alignment with historical events, moral panics, and social struggles. This course includes overviews of Sociology, the evolution of the horror genre and psychology of fear, and how various films depict different societal issues- particularly those outlined in the NYS Social Studies Framework's Enduring Issues. Students' parents/guardians must sign a permission slip in order to watch films as films include PG-13 and R ratings, unless a student is 18+.

MATHEMATICS**4030 - ALGEBRA I****Offered in grade(s):** 9, 10**Prerequisite(s):** None**Credit:** 1.00 **Weight:** 1.05

This course provides instruction designed to prepare students for the Regents Examination in Algebra I (Common Core). Algebra I builds students' command of linear, quadratic, and exponential relationships. Students learn through discovery, technology, and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations. The curriculum culminates in the Algebra I Regents Examination (June).

4200 - INTERMEDIATE ALGEBRA**Offered in grade(s):** 11, 12**Prerequisite(s):** Geometry or Algebra B**Credit:** 1.00 **Weight:** 1.00

The first course of a two-year sequence aligned to Algebra II. This course supports students in building on and developing their Algebraic skills. Topics include: Equations and inequalities, functions and relations, systems, quadratics, polynomials, inverses, and radicals. Note: This course is aligned to Algebra II, but does not prepare students for the Algebra II regents.

4055 - TOPICS IN GEOMETRY**Offered in grade(s):** 10, 11**Prerequisite(s):** Algebra I**Credit:** 1.00 **Weight:** 1.0

This non-Regents course examines specific topics of geometry while building on students' algebraic foundations. Students in this course will explore the tools of geometry, linear relationships, rigid motion, similarity, area volume concepts.

4827 - INTRO TO COMPUTER SCIENCE**Offered in grade(s):** 9, 10, 11, 12**Prerequisite(s):****Credit:** 0.50 **Weight:** 1.00

This course intends to engage students with little or no programming experience, but who are interested in technology. Over the course of the term, students will mature from consumers in the digital age into developers. This course utilizes an online platform, CodeCombat which teaches python programming techniques through an immersive adventure game.

4446 - STATISTICS**Offered in grade(s):** 9, 10, 11, 12**Prerequisite(s):****Credit:** 1.00 **Weight:** 1.00

This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will learn how to calculate statistics from given data, compare and contrast graphical displays, determine if two variables are associated (linear regression) and calculate a prediction line, design and carry out experiments, find probabilities and confidence intervals, and carry out hypothesis tests.

4202 - ALGEBRA II

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Successful completion of Geometry, Intermediate Algebra, or Algebra I with Geometry corequisite and a passing score on the Algebra I Regents

Credit: 1.00 **Weight:** 1.05

This course provides instruction designed to prepare students for the Regents Examination in Algebra II. Course topics include: Polynomial, Rational, and Radical Relationships; Trigonometry; Exponential and Logarithmic Functions; Statistical Inferences, Conclusions and Probability. This course is required for the advanced Regents diploma and culminates in the Algebra II Regents Examination. (June)

4403 - FINANCIAL MATHEMATICS

Offered in grade(s): 11, 12

Prerequisite(s):

Credit: 1.00 **Weight:** 1.0

In this course, students will engage with real world financial applications. Students will explore one core personal finance topic each unit and deepen their understanding of the connected mathematics that relates. This course will address the following financial and mathematical topics: taxes and percentages, checking and saving, linear systems of equations and inequalities, budgeting, investing, credit, exponential functions, paying for college and statistics.

5600 - AP COMPUTER SCIENCE PRINCIPLES

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Successful completion of Algebra 1 and a passing score on the Algebra I Regents

Credit: 1.00 **Weight:** 1.10

This course is designed to be equivalent to a first-semester introductory college computing course. In this course students will explore the creative aspects of programming, abstractions, algorithms, managing and interpreting large data sets, the internet, cyber-security concerns, and global computing impacts. This course will also consider the relationship between people and innovations in computing through the lens of their impact on society, the economy, and culture. This class will provide students with hands-on, real world experience in computer science, and includes two performance-based tasks as part of the culminating AP exam. Students are required to take the AP Computer Science Principles Examination (May).

SCIENCE

4500 - LIVING ENVIRONMENT

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Concurrent Enrollment in Algebra I OR completed Algebra I

Credit: 1.00 **Weight:** 1.05

In this course, students study life characteristics, scientific method, biological tools, homeostasis in organisms, genetic continuity, evolution and ecology and human impact. Laboratory work and written lab exercises are required for the Regents exam. This course follows the NYS syllabus for Living Environment. Students are required to take the Living Environment Regents Examination in June.

4580 - EARTH SCIENCE

Offered in grade(s): 10, 11, 12

Prerequisite(s): Concurrent Enrollment in Algebra I OR completed Algebra I

Credit: 1.00 **Weight:** 1.05

Earth Science is an academic course that explores the work of nature on the earth. This course utilizes mathematical concepts to illustrate physical phenomena. The areas studied include: geology, plate tectonics, earth's geological history, limnology, oceanography, meteorology, and astronomy. Short-term student projects are an integral aspect of the course. Laboratory work is required, and students must meet the state standard for laboratory work in order to take the regents examination.

4590 - MARINE SCIENCE

Offered in grade(s): 11, 12

Prerequisite(s): Two Regents level science courses

Credit: 1.00 **Weight:** 1.00

Marine Science is the study of ocean life. This course will cover diverse marine habitats such as coral reefs, the Open Ocean, estuaries, coastal habitats and tidal zones. Students will learn about the major groups of ocean organisms and their adaptations. The course will explore the major environmental threats that the oceans face: pollution, overfishing, global warming, ocean acidification and invasive species. Class activities will include looking at current research, field trips to local marine habitats and/or laboratories, lab work including dissections and documentary films.

4830 - FORENSIC SCIENCE

Offered in grade(s): 11, 12

Prerequisite(s): Two Regents Level science courses

Credit: 1.00 **Weight:** 1.00

A year-long course which involves the application of chemical, biological, and physical principles to the investigation of physical evidence in criminal cases. This course entails analytical reasoning, laboratory testing, selected field trips and, to provide technical expertise, qualified speakers who will analyze evidence presented in criminal cases.

4660 - ENVIRONMENTAL SCIENCE

Offered in grade(s): 11, 12

Prerequisites(s): Two Regents level science courses

Credit: 1.00 **Weight:** 1.00

A year long course that provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Topics studied include energy, biological and physical systems, populations, agriculture, toxicology, pollution and solutions to environmental problems.

WORLD LANGUAGE**5277 - INTRO TO ITALIAN LANGUAGE AND CULTURE**

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s):

Credit: 1.00 **Weight:** 1.05

This introductory course in the study of Italian starts the three-year checkpoint B sequence. Students use the language authentically, communicating in real-life situations from the beginning of the course. They learn the sound system and basic grammar and vocabulary, primarily through use of the language in meaningful contexts. All basic skills of the language are learned: listening, speaking, reading, and writing. Emphasis on building vocabulary and grammar structures is maintained. Culture is an integral part of the course and is via reading materials, media, and technology.

5278 - INTERMEDIATE ITALIAN LANGUAGE AND CULTURE

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Intro to Italian Language and Culture or Italian 1

Credit: 1.00 **Weight:** 1.05

Intermediate Italian builds upon skills developed in Italian 1, preparing students to communicate authentically by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Students will deepen their understanding of the relationships among the products, practices, and perspectives of Italian-speaking cultures.

5270 - ADVANCED ITALIAN LANGUAGE AND CULTURE

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Intermediate Italian Language and Culture or Italian 2

Credit: 1.00 **Weight:** 1.05

Advanced Italian builds upon skills developed in Italian 2/Intermediate, preparing students to communicate authentically by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Students will deepen their understanding of the relationships among the products, practices, and perspectives of Italian-speaking cultures.

ART**6500 - STUDIO IN ART**

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s):

Credit: 1.00 **Weight:** 1.00

Studio in Art is a full-year comprehensive foundation course. It aims to promote four kinds of learning: 1. Learning to be aesthetically aware and sensitive to a broad range of visual forms. 2. Learning from works of art or art criticism. 3. Learning about works of art or art history. 4. Learning the skills, concepts, and techniques of art making; freeing the imagination, enhancing creativity; and providing an in-depth study of the elements of art and principles of design. This is a required course for Art Majors and a prerequisite for art electives.

6525 - MULTIMEDIA SCULPTURE

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Studio in Art

Credit: 1.00 **Weight:** 1.00

This course provides an introduction to basic design principles and their application to three-dimensional form and processes in real space. Emphasis is placed on the concepts of modeling, carving, and construction and the possibilities of more contemporary modes of expression. The exploration of diverse media for making a personal statement is equally emphasized. Materials used in this course are wood, plaster, paper, cardboard, metal, glass, and much more.

6534 - AP STUDIO ART 2-D: DRAWING

Offered in grade(s): 10, 11, 12

Prerequisite(s): Studio in Art, at least one elective or PAVE Art and department approval.

Credit: 1.00 **Weight:** 1.10

The Advanced Placement Studio Art course provides an opportunity for students to work on a college level to possibly receive credit for their work in the college, university, or art school of their choice. One of the requisites is to develop a comprehensive series of works based on an idea or theme. The final portfolio of original two or three-dimensional works must conform to national specifications. The greater part of the portfolio submission must be presented in digital format.

Drawing Portfolio: The Drawing Portfolio addresses a broad interpretation of drawing issues and media. Light and shade, line quality, rendering of form, composition, surface manipulation, and illusion of depth are drawing issues that can be addressed through various means. Many works of painting, printmaking, mixed media, abstract, observational, and inventive works, may qualify. The range of marks used to make drawings, the arrangement of those marks, and the materials used to make the marks are endless.

Two-Dimensional Portfolio: This portfolio addresses a broad interpretation of two-dimensional (2-D) design issues. This type of design involves purposeful decision-making about how to use the elements and principles of art in an integrative way. The elements of design (line, shape, illusion of space, illusion of motion, pattern, texture, value, and color) are like a palette of possibilities that artists use to express themselves. The principles of design help artists decide how to organize the elements on a picture plane to communicate content. These principles include unity, variety, balance, emphasis, rhythm, and proportion/scale. A variety of approaches to representation, abstraction, and expression may be part of the student's portfolio. Students are asked to demonstrate proficiency in 2-D design using various art forms for this portfolio. These could include, but are not limited to, graphic design, typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking. Students are required to submit the AP Studio Art 2-D/Drawing Examination portfolio, which is due in May.

HEALTH AND PHYSICAL EDUCATION

8400 - PHYSICAL EDUCATION

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s):

Credit: 0.50 **Weight:** Unweighted

Students will learn to apply health-related and skill-related fitness to a variety of lifetime and recreational sports. These sports include, but are not limited to soccer, football and badminton, group games, frisbee, lacrosse and pickleball. The class will also include outdoor education pursuits. The class is designed to help students explore a variety of sports and recreational activities that will support an active lifestyle.

8432 - WELLNESS

Offered in grade(s): 12

Prerequisite(s):

Credit: 0.50 **Weight:** Unweighted

This course will emphasize the development and reinforcement of behaviors that contribute to optimum health and fitness throughout life. Students will be able to identify the wellness benefits derived from participating in sports and fitness activities. Students will analyze their lifestyle behaviors and develop prescriptions for lifestyle changes that will have a positive impact on their lives.

8500 - HEALTH EDUCATION

Offered in grade(s): 11, 12 (Priority given to seniors)

Prerequisite(s):

Credit: 0.50 **Weight:** 1.00

Health Education is a semester course required for graduation. The curriculum is comprehensive and skill-based and designed to motivate students and help them maintain and improve their overall health, prevent disease, and reduce their health-related risk behaviors.

ACADEMIC SUPPORT SERVICES

2711 - ACADEMIC LAB

Offered in grade(s): 9, 10, 11, 12

Credit: 0.00 **Weight:** Unweighted

Academic support is provided in the form of direct instruction in Study Skills, time management, vocabulary, instruction, and the re-teaching of materials and concepts encountered in the general education courses.

PAVE PROGRAM

PAVE, the Performing and Visual Arts Education program, is a curricular elective program that offers students up to four progressive years of study in dance, visual art, instrumental music, vocal music, and acting. We “PAVE” the way for our future Performing and Visual Artists by:



Preparing talented students to meet the academic and professional demands necessary for their success by providing all with broader knowledge, scope, insight, and balance in a comprehensive program of creative and artistic works,

Acknowledging their culture and heritage in the New Rochelle community through a curriculum that reflects and expresses this diversity,

Viewing the creative process through a lens of self-discovery and reflection,

Empowering them to become leaders in the arts by developing their creativity, theatrical skills, self-esteem, respect, mind and body, and their role as artists in contemporary society.

APPLICATION PROCEDURE

Students must file an online application and pass an Audition/Portfolio submission. Auditions/Portfolio submissions for the incoming PAVE class are held every Spring. Rising ninth and tenth graders converge on House IV one afternoon in March to compete for a chance to join PAVE. Many applicants have spent weeks and months preparing for this day. They have worked with their arts teachers to perfect their performance skills for this special day. Our PAVE teachers welcome them with high expectations. The audition requirements are summarized below.

- **Dance**
Dance students choreograph a short solo dance with their own choice of music.
- **Music**
Band or string or vocal students prepare a NYSSMA Level III solo, demonstrate sight-reading skills, and perform scales or verbal rhythmic and tonal exercises.
- **Acting**
Acting candidates must memorize and perform one character from a given scene. They are also expected to improvise a scene with given conditions.
- **Visual Arts**
Visual artists create an observational drawing and a drawing from imagination from a given prompt.

PAVE PROGRAM

PROGRAM REQUIREMENTS

1. All PAVE Classes meet in the AM period, starting at 7:22 AM
2. As a PAVE Music major, students must concurrently enroll in a major school ensemble every year. All students enrolled in PAVE Band must take Concert or Symphonic Band; PAVE Orchestra students must take Huguenot or Symphonic Orchestra; PAVE Vocal Music students must take Vocal Ensemble or Chorale.
3. As a PAVE Acting major, students must take Screenwriting and Filmmaking with PAVE 1 Acting and 20th Century Musical Theater in America with PAVE 2 Acting.
4. As a PAVE Visual Arts major, students must take PAVE 1 and 2 Art and three additional credits. Five art credits total are needed. Studio Art is a prerequisite for all Visual Art courses.
5. As a PAVE Dance major, students must take Performance Dance with PAVE 1 & 2 Dance, and Choreography with PAVE 3 & 4.
6. All students accepted into the PAVE Program must take a companion course in their Major sequence. The PAVE course will fulfill the required one credit of Arts for the Regents' diploma.
7. Students must receive a minimum grade of 80 in PAVE and companion courses to remain in PAVE. Those who do not meet this requirement by the end of the year will not continue in PAVE. Those on probation must meet this requirement by the first marking period, or they will be dropped from the program.

PAVE COURSE OFFERINGS					
PAVE VISUAL ART	PAVE ACTING	PAVE VOCAL	PAVE BAND	PAVE ORCHESTRA	PAVE DANCE
PAVE 1 VISUAL ART	PAVE 1 ACTING	PAVE 1 VOCAL	PAVE 1 BAND	PAVE 1 ORCHESTRA	PAVE 1 DANCE
PAVE 2 VISUAL ART	PAVE 2 ACTING	PAVE 2 VOCAL	PAVE 2 BAND	PAVE 2 ORCHESTRA	PAVE 2 DANCE
PAVE 3 VISUAL ART	PAVE 3 ACTING	PAVE 3 VOCAL	PAVE 3 BAND	PAVE 3 ORCHESTRA	PAVE 3 DANCE
—	PAVE 4 ACTING	PAVE 4 VOCAL	PAVE 4 BAND PAVE JAZZ BAND*	PAVE 4 ORCHESTRA	PAVE 4 DANCE

*PAVE Jazz band may be taken in conjunction with any level of PAVE Band based on instructor recommendation.

*These courses are acceptable for either PAVE and/or Social Studies credit, but not both.

**Physical Education Dance cannot be used for PAVE credit. However, Performance Dance may be taken as a ½ credit of Physical Education if the PAVE sequence has been fulfilled. The course meets every day.

PAVE PROGRAM COMPLETION

Upon successfully completing the proper five units of credit ***, students will receive a special Performing Arts Major seal on their diploma. It is the student's responsibility to notify the PAVE office and their counselor of having successfully completed the proper requirements for this in a timely manner. You may pick up the PAVE graduation form from the PAVE office or get one from your teacher.

***PAVE Dance students may complete the course sequence with 4.5 PAVE credits if registered for the PE sections of their companion courses.

PAVE PROGRAM

PAVE MUSIC

Music students major in voice or a band or string instrument. They learn advanced performance skills specific to their concentration. They perform throughout the school year in both small and large ensembles. In addition to their PAVE classes, our musicians are expected to take leading roles in their major school ensemble. Programs are offered in the following music concentrations:

- Vocal Music
- Band
- Orchestra

PAVE VOCAL COURSE SEQUENCE		
Year of Sequence	PAVE COURSE	COMPANION COURSE
1	PAVE 1 VOCAL	VOCAL ENSEMBLE*
2	PAVE 2 VOCAL	CHORALE*
3	PAVE 3 VOCAL	CHORALE*
4	PAVE 4 VOCAL	CHORALE*

*See Performing and Visual Arts Catalog for course details

6005 - PAVE 1 VOCAL MUSIC

Offered in Grade(s): 9, 10

Prerequisite: Audition

Credit: 1.00 **Weight:** 1.10

Students in PAVE 1 - Vocal learn about music through ensemble and solo singing. Students explore their voices through daily physical and vocal exercises. PAVE Vocal students are expected to perform in community events, music adjudications, competitions, and school concerts throughout the District and region. Vocal music training encourages students to sharpen their presentation skills and assists students in gaining confidence. The PAVE Vocal curriculum will prepare students for collegiate study in vocal performance, music education, and musical theater if they choose to continue.

Completing the course will earn the student one unit of credit required for the Regents diploma in Music and Art. The student must receive a minimum of 80 to be promoted to PAVE 2.

6015 - PAVE 2 VOCAL MUSIC

Offered in Grade(s): 10, 11

Prerequisite: PAVE 1 Vocal Music

Credit: 1.00 **Weight:** 1.10

Students in PAVE 2 - Vocal learn about music through ensemble and solo singing. Students explore their voices through daily physical and vocal exercises. PAVE Vocal students are expected to perform in community events, music adjudications, competitions, and school concerts. Vocal music training encourages students to sharpen their presentation skills and assists students in gaining confidence. The PAVE Vocal curriculum will prepare students for collegiate study in vocal performance, music education, and musical theater if they choose to continue. Students in PAVE 2 Vocal will learn, among other things, Level IV, V and VI NYSSMA Vocal solos in Italian and English, and the valuable skill of sight-singing.

Completing the course will earn the student one unit of credit required for the Regents diploma in Music and Art. The student must receive a minimum of 80 to be promoted to PAVE 2.

PAVE PROGRAM

6025 - PAVE 3 VOCAL MUSIC

Offered in Grade(s): 11, 12

Prerequisite: PAVE 2 Vocal Music

Credit: 1.00 **Weight:** 1.10

Students continue developing their voices by consciously incorporating the vocal technique into their NYSSMA repertoire, using it to tackle common vocal issues such as, but not limited to, excess extrinsic muscle tension on high notes. More attention is paid to the resulting product of using McClosky and other techniques: free, beautiful, resonant tone. Students continue to develop pure free vowel phonation in NYSSMA Level 6 Italian art songs and arias, English art songs, and some lesson groups may even study German or Latin art songs and arias.

6035 - PAVE 4 VOCAL MUSIC

Offered in Grade(s): 11, 12

Prerequisite: PAVE 3 Vocal Music

Credit: 1.00 **Weight:** 1.10

Students lead the PAVE vocal program with mature, healthy singing voices. They continue learning NYSSMA level 6 repertory in English, Italian, German, Latin, French and Contemporary selections. Students study these works in preparation for college auditions for a major/minor in music or to audition for select ensembles at the college/community choir of their choice.

PAVE BAND COURSE SEQUENCE		
Year of Sequence	PAVE COURSE	COMPANION COURSE
1	PAVE 1 BAND	CONCERT BAND*
2	PAVE 2 BAND	SYMPHONIC BAND*
3	PAVE 3 BAND	SYMPHONIC BAND*
4	PAVE 4 BAND PAVE JAZZ BAND**	SYMPHONIC BAND*

*See Performing and Visual Arts Catalog for course details

**PAVE Jazz band may be taken in conjunction with any level of PAVE Band based on instructor recommendation.

6000 - PAVE 1 BAND

Offered in Grade(s): 9, 10

Prerequisite: Audition

Credit: 1.00 **Weight:** 1.10

Students build on what takes place during the ensemble period by working on the skills that train them to be able to play in small group ensembles. This includes working on counting and subdividing rhythms independently, playing with a metronome, tuning, listening, making artistic decisions, and selecting repertoire. Students present public instrumental music recitals throughout the year. Students will learn and perform NYSSMA-level repertoire appropriate for their developmental level.

PAVE PROGRAM

6010 - PAVE 2 BAND

Offered in Grade(s): 10, 11

Prerequisite: PAVE 1 Band

Credit: 1.00 **Weight:** 1.10

Continuation of PAVE 1 - Winds & Percussion with more emphasis on developing musicianship skills. Students are responsible for higher levels of performance repertoire.

6020 - PAVE 3 BAND

Offered in Grade(s): 11, 12

Prerequisite: PAVE 1 Band, PAVE 2 Band

Credit: 1.00 **Weight:** 1.10

Continuation of PAVE 2 - Winds & Percussion with continued emphasis on developing musicianship skills. Students are responsible for higher levels of performance repertoire. Students begin to learn about leading rehearsals in preparation to assist with conducting rehearsal in PAVE 4.

6030 - PAVE 4 BAND

Offered in Grade(s): 12

Prerequisite: PAVE 1 Band, PAVE 2 Band, PAVE 3 Band

Credit: 1.00 **Weight:** 1.10

Continuation of PAVE 3 - Winds & Percussion with continued emphasis on the development of musicianship skills. Students are responsible for higher levels of performance repertoire. Students are invited to lead ensemble rehearsals.

PAVE ORCHESTRA COURSE SEQUENCE		
Year of Sequence	PAVE COURSE	COMPANION COURSE
1	PAVE 1 ORCHESTRA	SYMPHONIC ORCHESTRA*
2	PAVE 2 ORCHESTRA	SYMPHONIC ORCHESTRA*
3	PAVE 3 ORCHESTRA	SYMPHONIC ORCHESTRA*
4	PAVE 4 ORCHESTRA	SYMPHONIC ORCHESTRA*

*See Performing and Visual Arts Catalog for course details

6002 - PAVE 1 ORCHESTRA

Offered in Grade(s): 9, 10

Prerequisite: Audition

Credit: 1.00 **Weight:** 1.10

Students study the fundamentals of advanced string technique, performance, and basic music theory. With daily class meetings, students can get individual instruction and support to ensure they are prepared for higher performance levels as they move through the PAVE program. Students will participate in a Winter and Spring concert, as well as Solo and Chamber music opportunities over the course of the year. Students will be performing and preparing for NYSSMA level 4+5. Completing the course will earn the student one unit of credit required for the Regents diploma in Music and Art. The student must receive a minimum of 80 to be promoted to PAVE 2.

PAVE PROGRAM

6012 - PAVE 2 ORCHESTRA

Offered in Grade(s): 10, 11

Prerequisite: PAVE 1 Orchestra

Credit: 1.00 **Weight:** 1.10

Students refine their advanced string technique and performance. Students will participate in a Winter and Spring concert, as well as Solo and Chamber music opportunities over the course of the year.

Opportunities to participate in Masterclasses from visiting artists will also be provided. Students will be performing and preparing for NYSSMA levels 5-6. The PAVE 2 Chamber Ensemble will be created with a focus on community outreach and leadership. Students are encouraged to Join Tri M.

6022 - PAVE 3 ORCHESTRA

Offered in Grade(s): 11, 12

Prerequisite: PAVE 1 Orchestra, PAVE 2 Orchestra

Credit: 1.00 **Weight:** 1.10

Students refine and develop their advanced techniques, participating in a Winter and Spring concert, with an emphasis on the standard Symphonic and Chamber music repertoire, with opportunities to participate in musical competitions and master classes. PAVE 3 will prepare for their Junior Solo recital as well as Solo and Chamber music opportunities over the course of the year. Students will be performing at level NYSSMA levels 5-6. Students are encouraged to Join Tri-M.

6032 - PAVE 4 ORCHESTRA

Offered in Grade(s): 12

Prerequisite: PAVE 1 Orchestra, PAVE 2 Orchestra, PAVE 3 Orchestra

Credit: 1.00 **Weight:** 1.10

Students become ensemble leaders, work with the mentorship program, prepare for their Senior Recital and college supplements, and participate in masterclasses from visiting artists. The "Senior Ensemble Project" focuses on musical choice, voice and performance venue, and outreach. Students will participate in Winter and Spring concerts, as well as Solo and Chamber music opportunities over the course of the year.

PAVE PROGRAM

PAVE ACTING

Acting students acquire acting, directing, stagecraft, and playwrighting skills. They gain skills in concentration, expressing emotion, movement, memorization strategies, and relationships between characters through monologues, dialogues, scene work, and improvisation. Students complete their theater sequence with courses in Script Writing and Musical Theater in America.

PAVE ACTING COURSE SEQUENCE		
Year of Sequence	PAVE COURSE	COMPANION COURSE
1	PAVE 1 ACTING	SCREENWRITING & FILMMAKING I*
2	PAVE 2 ACTING	20TH CENTURY MUSICAL THEATER IN AMERICA*
3	PAVE 3 ACTING	Recommended: CHORALE*, FROM PAGE TO SCREEN 1*, AUDITION PREP*
4	PAVE 4 ACTING	Recommended: CHORALE*, FROM PAGE TO SCREEN 1*, AUDITION PREP*

*See Performing and Visual Arts Catalog for course details

6003 - PAVE 1 ACTING

Offered in Grade(s): 9, 10

Prerequisite: Audition

Credit: 1.00 **Weight:** 1.10

An introduction to the fundamental principles and tools of acting used in auditions, rehearsals, and performances. This may include ensemble performing, character and script analysis, and basic theater terminology. This exploration will emphasize the development of the actor's instrument: voice, body, and imagination. Students will also explore theater history, the origin of theater in the Greeks, and how theater evolved from the Greeks to Shakespeare. Students will also develop the following skills and abilities:

6013 - PAVE 2 ACTING

Offered in Grade(s): 10, 11

Prerequisite: PAVE 1 Acting

Credit: 1.00 **Weight:** 1.10

Using the writing of 19th – early 20th-century European authors, students will delve deeply into the theatrical styles of naturalism and realism as they pertain to acting and the creation of character. Students will emphasize the areas of personalization and emotional commitment while never losing sight of an actor's responsibility to be clear and compelling storytellers for audiences. Students will also explore theater history from the classical period and how it transforms after the introduction of method acting by Konstantin Stanislavsky. Students will also explore modern theater, including existentialism, absurdism, and theater of the oppressed. Students will also develop the following skills and abilities:

PAVE PROGRAM

6023 - PAVE 3 ACTING

Offered in Grade(s): 11, 12

Prerequisite: PAVE 1 Acting, PAVE 2 Acting

Credit: 1.00 **Weight:** 1.10

Students will explore the technical aspects of bringing a production to the stage. Students will explore the procedure and the problems involved in directing a play, from the script selection, auditions, and conducting rehearsals to the final production. Students will gain further experience in theatrical directing through lab work and criticism. Students will learn to appreciate the range of approaches to stage direction in contemporary theater through discussions of the work of modern theater artists. Students will consider the director's role as an artist, using the elements of technical theater (Set, Costume, etc.) to explore collaboration, imagination, spontaneity, and risk in direction. With your teacher as a mentor, students will direct and build a production from the ground up. Students will also develop the following skills and abilities:

6033 - PAVE 4 ACTING

Offered in Grade(s): 12

Prerequisite: PAVE 1 Acting, PAVE 2 Acting, PAVE 3 Acting

Credit: 1.00 **Weight:** 1.10

The culmination of the Acting sequence is an independent study experience that allows students to specialize in an area of interest. During the first semester, students would be responsible for identifying and executing two marking periods or a one-semester project that applies skills learned in theater and/or filmmaking. For the remainder of the year, students will form the Senior Acting Company and work together to select, organize, cast, and execute a full production, including sets and costumes. Students from the class will star in this production and direct and organize this production. Students will also produce all materials associated with this production, including program and poster materials.

PAVE VISUAL ARTS

Visual Arts students master the Elements of Art and Principles of Design through projects in both 2-D and 3-D. In addition to their PAVE classes, visual arts students complete their arts sequence with additional studio art classes. **Please note that unlike other PAVE programs, PAVE Visual Arts is a 3 year sequence of courses.**

PAVE VISUAL ARTS COURSE SEQUENCE		
Year of Sequence	PAVE COURSE	COMPANION COURSE
1	PAVE 1 VISUAL ARTS	Visual Art Elective*
2	PAVE 2 VISUAL ARTS	Visual Art Elective*
3	PAVE 3 VISUAL ARTS	Visual Art Elective*
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*See Performing and Visual Arts Catalog for course details

PAVE PROGRAM

6004 - PAVE 1 VISUAL ARTS

Offered in Grade(s): 9, 10

Prerequisite: Audition

Credit: 1.00 **Weight:** 1.10

Visual Arts is designed for beginning students who, upon completion of an audition, have chosen Visual Arts as their major focus in the Performing and Visual Arts sequence. In addition to PAVE 1, students must be concurrently enrolled in an additional art class. The major component of PAVE 1 Visual Arts is building the foundation of Composition Theory. The focus on Elements of Art and Principles of Design will be explore

6014 - PAVE 2 VISUAL ARTS

Offered in Grade(s): 10, 11

Prerequisite: PAVE 1 Visual Arts

Credit: 1.00 **Weight:** 1.10

The major component of Pave 2 Visual Arts is building the foundation of Color Theory and Observational Drawing. Students must be concurrently enrolled in an additional art class.

6024 - PAVE 3 VISUAL ARTS

Offered in Grade(s): 11, 12

Prerequisite: PAVE 1 Visual Arts, PAVE 2 Visual Arts

Credit: 1.00 **Weight:** 1.10

The major component of PAVE 3 Visual Arts is building independent focus on students' portfolios in conjunction with Project Based Learning.

PAVE DANCE

Dance students study technique, form, and choreography, through multiple styles of dance while building their bodily flexibility and strength. The required companion courses build students' capacity to perform more deeply at higher levels. They are expected to demonstrate their proficiency in both solo and ensemble settings.

PAVE DANCE COURSE SEQUENCE		
Year of Sequence	PAVE COURSE	COMPANION COURSE
1	PAVE 1 DANCE	PERFORMANCE DANCE*
2	PAVE 2 DANCE	PERFORMANCE DANCE*
3	PAVE 3 DANCE	CHOREOGRAPHY*
4	PAVE 4 DANCE	CHOREOGRAPHY*

*See Performing and Visual Arts Catalog for course details

PAVE PROGRAM

6001 - PAVE 1 DANCE

Offered in Grade(s): 9, 10

Prerequisite: Audition

Credit: 1.00 **Weight:** 1.10

This course will develop choreographic skills and processes to present two performances throughout the school year. At the culmination of the school year, dancers will develop written papers, participate in several performances, produce two recitals, and create their choreographic work.

Completing the course will earn the student one unit of credit required for the Regents diploma in Music and Art. The student must receive a minimum of 80 to be promoted to PAVE 2.

6011 - PAVE 2 DANCE

Offered in Grade(s): 10, 11

Prerequisite: PAVE 1 Dance

Credit: 1.00 **Weight:** 1.10

In this intermediate-level course, dancers will meet daily to build strength, flexibility, performance skills, and dance technique while learning repertoire to be performed throughout the year. They will also learn about Anatomy and Kinesiology, classical French terminology, Ideokinesis, and Laban Movement Analysis. Dancers will chronicle their experiences in weekly journal entries and will hone their performance skills through practical exams.

6021 - PAVE 3 DANCE

Offered in Grade(s): 11, 12

Prerequisite: PAVE 1 Dance, PAVE 2 Dance

Credit: 1.00 **Weight:** 1.10

Continuation of PAVE 2 - Dance with continued attention to building strength, flexibility, performance skills, and dance technique.

6031 - PAVE 4 DANCE

Offered in Grade(s): 12

Prerequisite: PAVE 1 Dance, PAVE 2 Dance, PAVE 3 Dance

Credit: 1.00 **Weight:** 1.10

Continuation of PAVE 3 - Dance with continued attention to building strength, flexibility, performance skills, and dance technique.

SCIENCE RESEARCH



SCIENCE RESEARCH is a three-year program that affords students the opportunity to conduct authentic scientific research in an independent manner as part of their high school experience. *Pre-Science Research is offered to 9th graders, but students may elect to begin a research project beginning in grade 10 by selecting Science Research 1.* Students work in conjunction with research scientists and professionals within their field of research in the biological or physical sciences. The program culminates in a completed research project in grade 12. Students are expected to submit their research projects to national competitions such as the Regeneron Science Talent Search (STS), Westchester Science and Engineering Fair (WESEF) and the New York State Junior Science and Humanities Symposium (JSHS).

Course	Grade
Pre-Science Research	9 (recommended, optional)
Science Research 1	10
Science Research 2	11
Science Research 3	12

4849 - PRE-SCIENCE RESEARCH

Offered in grade(s): 9

Prerequisite(s): Current 8th grade students must apply and be accepted to the Pre-Science Research program. Applications open at the beginning of January and contain multiple rounds. The applications are reviewed and selected students will begin classes in the September of their freshman year. Accepted students will be required to attend science research events in the spring of their eighth grade year.

Credit: 0.25

Pre-Science Research is a class that will meet once every six days (during the physical education /double lab free period built into all schedules). The goal of Pre Science Research is to prepare students for the Science Research Program in September of their sophomore year. Students will engage in how actual science is done in laboratories through research and investigations, both in and out of class. Further, students will create oral presentations, posters, basic research papers, and PowerPoint presentations as vessels to share their knowledge. Students will also be asked to complete a large amount of scientific reading and writing in order to build the skills that will be needed in the proper Science Research Program. While not technically considered a part of the three year sequence of the Science Research Program, students in Pre-Science Research will be required to attend some Science Research events.

SCIENCE RESEARCH

4850 - SCIENCE RESEARCH 1

Offered in grade(s): 10

Prerequisite(s): Current 9th grade students must apply and be accepted to the Science Research Program. Applications open at the beginning of January and contain multiple rounds. The department will review applications (which will include, at minimum, teacher recommendations, writing samples, and grade reports) to determine students best suited for the program. If selected, students will begin classes in the September of their sophomore year but will be required to attend science research events in the spring of their freshman year.

Credit: 1.00

Students will engage in many projects that will build their skills to excel in a laboratory setting the following summer. All students are required to obtain a mentor and/or lab placement for the following summer, where they will work on their project five days a week for six to seven weeks. Students will learn the skills of Internet searches to find scientific journals in an area of their interest. Also, students will create and present PowerPoints and posters that share their knowledge with their community. Upperclassmen will serve as student mentors to these tenth grade students in all areas of the class. Students will search for scientific mentors and become experts in their field of choice, culminating in a presentation of a scientific journal article of their choice in June at the Westlake Science Fair. Students are expected to spend most of their summer between sophomore and junior year in a laboratory setting.

4851 - SCIENCE RESEARCH 2

Offered in grade(s): 11

Prerequisite(s): Successful completion of Science Research 1 with an average of 85 or better.

Credit: 1.00

In the second year of the three-year Science Research Program, students will write, edit, and present their research papers based on the research they performed in the preceding summer. Students will mentor younger students in the program, and aid in their discovery of a topic and locating a mentor. In addition, students will submit their research to the Westchester-Rockland Junior Science and Humanities Symposium as well as the Westchester Science and Engineering Fair, where they will proudly present their work in the form of a poster. Further, students will maintain contact with their lab mentor in order to create a new project to be completed in the summer between their junior and senior years.

4852 - SCIENCE RESEARCH 3

Offered in grade(s): 12

Prerequisite(s): Successful completion of Science Research 2 with an average of 85 or better.

Credit: 1.00

In the final year of the three-year Science Research Program, students will write, edit, and present their research papers based on the research they performed in the preceding summer. Students will mentor younger students in the program, and aid in their discovery of a topic and locating a mentor. In addition, students will submit their research to the Siemens Competition, Regeneron Science Talent Search, Westchester-Rockland Junior Science and Humanities Symposium, as well as the Westchester Science and Engineering Fair, where they will proudly present their work in the form of a poster. Lastly, students will give oral presentations on the culmination of their research at the end-of-year Science Research Symposium.

SPECIAL EDUCATION PROGRAM

The goal of the Special Education Department is to support diverse learners, who have been classified as students with a disability by the Committee on Special Education (CSE), and to foster an inclusive culture within our schools and community. The CSE includes representatives of the Pupil Personnel staff and teachers from general and special education. The CSE has the responsibility to review all evaluative data, determine the eligibility of a student for special education services, and plan an appropriate individualized educational program in consultation with parents and the student. Students, who are struggling with their learning, should be given the opportunity to have interventions put in place in the general education setting prior to being recommended to Special Education. Disabilities are described according to the following categories: speech impaired, learning disabled, emotionally disturbed, other health impaired, intellectually disabled, multiply disabled, autistic, deaf hearing impaired, visually impaired, orthopedically impaired, traumatic brain injury or deaf and blind. Through a network of supports, students with disabilities are empowered to identify, pursue, and fulfill their personal aspirations as they participate in our global society.

INTEGRATED CO-TEACHING (ICT)

Co-teaching courses are available in all four core subject areas at all four grade levels: English, Social Studies, Science, and Math. The Integrated Co-Teaching Model (ICT) allows for increased flexibility, enhanced differentiation, and more personalized instruction in the classroom. A co-teaching classroom contains students both with and without disabilities. Course descriptions for ICT courses can be found in the departmental course listings.

CODE	COURSE	CODE	COURSE
2331	English 1 ICT	2341	Global History I ICT
2332	English 2 ICT	2342	Global History II ICT
2333	English 3 ICT	2343	United States History ICT
2338	English 4 ICT	2344	Law & Government ICT
		2345	Economics ICT
2355	Living Environment ICT	2351	Algebra I ICT
2356	Earth Science ICT	2352	Algebra B ICT
		2353	Intermediate Algebra ICT
		2354	Geometry ICT
		2350	Algebra II ICT

CORE PROGRAM

The CORE program provides parallel general education curriculum consistent with the NYS Learning Standards and Frameworks in Social Studies, Science, Mathematics and English. Students may participate in one or more departmental classes in the curriculum areas listed below. The CORE program mirrors the general education curriculum with differentiated instruction, modifications, and supports. Students are scheduled to take Regents Examinations at the conclusion of those courses which culminate in a Regents Examination. Please note that Core Living Environment Science students must satisfactorily complete the lab component of the course to qualify to sit for the Regents exam.

SPECIAL EDUCATION PROGRAM

CODE	COURSE	CODE	COURSE
3245 3255 3256 3257	English 1 CORE English 2 CORE English 3 CORE English 4 CORE	3629 3630 3755 3830	Global History I CORE Global History II CORE United States History CORE Contemp. American Society CORE
4530 4531 4539	Life Science CORE Living Environment 2 CORE Topics in Science CORE	4101 4102 4103	Algebra 1A CORE Algebra 1B CORE Topics in Geometry CORE

ACHIEVING CLASSROOM EXCELLENCE PROGRAM (ACE)

ACE is designed for students with moderate to severe disabilities, most notably in processing speed, memory, receptive and expressive language, listening comprehension, abstract reasoning and/or written expression. ACE classes provide students with skills and content knowledge consistent with the topics and skills required for graduation and leading to the different certificates and diplomas offered to high schools students in New York State. These courses also prepare students for post-secondary experiences by providing a comprehensive academic program that can be seamlessly integrated into a personalized work readiness experience in the school and/or the community. Students taking ACE classes may be recommended for higher level classes leading to a regular high school diploma and pursue a Career Development & Occupational Studies Credential (CDOS).

CODE	COURSE	CODE	COURSE
2408	English 1 ACE	2409	Topics in Science 1 ACE
2418	English 2 ACE	2419	Topics in Science 2 ACE
2406	Math 1 ACE	2407	Global Studies 1 ACE
2416	Math 2 ACE	2417	Global Studies 2 ACE

FOUNDATIONS PROGRAM

The Foundations Program develops practical skills and academic skills students need in daily life; it develops functional literacy in reading and math, career-readiness, and self-determination skills. It provides direct explicit special education instruction that provides academic intervention and skill development for independent living and self-management. The program offers community-based experiences and exposure to adapted and individualized curriculum that goes along with student abilities. Emphasis is placed on the development of adaptive living skills including: hygiene, money management, shopping, cooking, laundry, housekeeping, and leisure and personal safety. The program provides a coordinated set of transition activities and meaningful and measurable post-secondary goals that are individualized to specific student needs. The Foundations Program develops practical skills and academic skills students need in daily life and leads to a Skills and Achievement Commencement Credential for students who participate in the NYS Alternate Assessment Program.

SPECIAL EDUCATION PROGRAM

Code	Course	Code	Course
2227 2201	Foundations Language Arts L1 Foundations Language Arts L2	2225 2203	Foundations Social Studies L1 Foundations Social Studies L2
2226 2202	Foundations Mathematics L1 Foundations Mathematics L2	2228 2204	Foundations Science L1 Foundations Science L2
2211	Foundations Music, Dance, and Art	9933	Foundations Career Development
2223	Foundations Computers	2224 2212	Foundations Skills L1 Foundations Skills L2

2206 - S.A.I.L. CULINARY

Offered in grade(s): 11, 12

Prerequisite(s): Eligibility determined by IEP, department recommendation

Credit: 3.00 **Weight:** Unweighted (Pass/Fail)

The community-based Culinary class is a unique culinary arts program conducted in a professional kitchen in the community. Students receive instruction in basic employment and culinary skills, and well as career-related reading and math skills. This course satisfies the CDOS requirement.

2200 - PROJECT SEARCH

Offered in grade(s): 12

Prerequisite(s): Must be 18 or older, departmental recommendation

Credit: 5.00 **Weight:** Unweighted

Project SEARCH® is a nationally recognized, full-day high school transition program for students with disabilities between the ages of 18 and 21 that provides training and education with the goal of obtaining competitive employment. The goal of the program is for graduates to obtain and secure paid, permanent jobs. The cornerstone of Project SEARCH® is total immersion in the workplace. Five days a week, students report to Montefiore, learn employability and work-related academic skills in the classroom and develop job skills while participating in a variety of training experiences on-site at Montefiore New Rochelle.

THERAPEUTIC INTERVENTION PROGRAM (TIP)

TIP offers credit-bearing special classes providing students with instruction in content areas leading to NYS Regents examinations. Students have average to above average cognitive ability with near grade level academic skills, but significant emotional or attention difficulties that interfere with the ability to profit from general education classes. The goal of the program is to increase students' independence and self-management skills. Integrated counseling is provided.

CODE	COURSE	CODE	COURSE
3251	English 1 T	3641	Global History I T
3252	English 2 T	3642	Global History II T
3253	English 3 T	3643	American History T
3254	English 4 T	3644	Contemp. American Society T
2402	Skills T		

SPECIAL EDUCATION PROGRAM

ACADEMIC SUPPORT SERVICES

2400 - READING

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Eligibility determined by IEP

Credit: 0.00 **Weight:** Unweighted (Pass/Fail)

Reading classes provide academic support in reading literacy. Students will develop their proficiency in reading various types of texts.

2700 - RESOURCE ROOM

Offered in grade(s): 9, 10, 11, 12

Prerequisite(s): Eligibility determined by IEP

Credit: 0.00 **Weight:** Unweighted (Pass/Fail)

Resource Room provides academic support instruction for students in general education classes. This is a direct service that includes modification of materials and instructional presentation to address specific weaknesses in reading, writing and math. Study skills and organizational and learning strategies are also presented. Consultation with mainstream teachers is provided. This is a pass/fail course that bears no academic credit.

2715 - ACADEMIC LAB 9/10

Offered in grade(s): 9, 10

2715 - ACADEMIC LAB 11/12

Offered in grade(s): 11, 12

Prerequisite(s): Eligibility determined by IEP

Credit: 0.00 **Weight:** Unweighted (Pass/Fail)

This course provides support for students enrolled in the Integrated Co-Teaching Program. Support is provided in the form of direct instruction in Study Skills, time management, vocabulary, instruction, and the re-teaching of materials and concepts encountered in the general education courses. Academic Lab is typically provided for students enrolled in two or more Integrated Co-Teaching courses.

OTHER SPECIAL EDUCATION COURSES

9932 - CAREER DEVELOPMENT OF OCCUPATIONAL STUDIES (CDOS)

Offered in grade(s): 10, 11, 12

Prerequisite(s):

Credit: 1.00 **Weight:** Unweighted (Pass/Fail)

This course will allow students to identify their strengths and weaknesses, skills and abilities, explore careers, develop an individual career plan, discover sources of job leads, learn how to apply for and keep a job, develop a resume and cover letter, learn job interviewing techniques, explore higher education options and learn how to handle workplace issues such as human relations, time management and ethics. Students participate in school-based businesses, internships, prevocational opportunities, school-based businesses, and work sites in NRHS and in the community as part of the requirement for meeting a Career Development and Occupational Studies (CDOS) Pathway to Graduation. This is a pass/fail course.

HONORARY SEALS



The Seal of Biliteracy

What is the New York State Seal of Biliteracy (NYSSB)?

In recognition of the importance of bilingualism, New York State awards a Seal of Biliteracy to students who have studied and attained a high level of proficiency in English and another language by high school graduation. It is a distinction attached to the diplomas and transcripts of graduates who have demonstrated language mastery in both English and any other language, and indicates to colleges and employers that you are proficient in more than one language.

Who can participate?

Any student working towards proficiency in reading, writing, listening and speaking in English and another language can apply. High school counselors and language teachers will assist students who are eligible to apply for this seal of distinction. Planning will typically begin during the 11th grade year. Students are eligible to apply for the New York State Seal of Biliteracy at the beginning of their junior or senior year– the seal is awarded to successful candidates at graduation.

Complete information can be found in the [NYS Seal of Biliteracy Guide](#)

For more information on the seal of biliteracy, please contact your guidance counselor or email Mr. Patrick Sutton (psutton@nredlearn.org), the NYSSB Coordinator.

The Seal of Civic Readiness

New Rochelle High School has been approved by the New York State Education Department to award the Seal of Civic Readiness. The Seal of Civic Readiness is a formal recognition that a student has attained a high level of proficiency in terms of civic knowledge, civic skills, civic mindset, and civic experiences. The Seal of Civic Readiness distinction on a high school transcript and diploma:



- ★ shows the student's understanding of a commitment to participatory government; civic responsibility and civic values;
- ★ demonstrates to universities, colleges, and future employers that the student has engaged in meaningful civic experiential learning; and
- ★ recognizes the value of civic engagement and scholarship.

Students may use this Seal as a Graduation Pathway, as long as they meet the minimum diploma requirement of 22 credits, pass 4 required Regents exams, (one each in ELA, math, science and social studies), and successfully complete this NYSED - approved program of study.

In order to obtain the Seal of Civic Readiness, a student must complete all the requirements for a New York State local or Regents diploma and earn a total of **six points with at least two points in Civic Knowledge and at least two points in Civic Participation**. Students may also earn points by completing a high school Capstone project.

HONORARY SEALS

Civic Knowledge	Pts.	Civic Participation	Pts.
4 Credits of social studies	1	High School Civics Project (limit two times during grades 9-12)	1.5
Mastery level on Social Studies Regents Exam (85 or above)	1.5*	Service-Learning Project (minimum 25 hours) and reflective civic learning essay/presentation/product	1*
Proficiency level on Social Studies Regents Exam (65 or above)	1*	Proficiency level in an elective course that promotes civic engagement	.5*
Advanced social studies course(s)	.5*	Extra-curricular participation or work based learning experience (minimum 40 hours) and an essay/presentation/product	.5*
Research Project	1	Civics Capstone Project	4

*Students may receive these points more than once.

Please contact the Social Studies Department Chair, Mr. Gustavo Barbosa (gbarbosa@nredlearn.org), or the Seal of Civic Readiness Coordinator, Mr. Tim Kuklis (tkuklis@nredlearn.org), for more information.

NICE PROGRAM

The NewRo Internship Career Experience (NICE) Program is an option offered to all New Rochelle High School seniors. The primary goal of NICE is to help students make the transition to the adult world and to develop their independence, confidence and sense of responsibility. Many NICE Seniors intern in positions that allow them the opportunity to pursue in-depth studies in a career-related field. Others work on creative, scientific, political or community service projects. All projects are student developed and faculty monitored.

Students are required to document their experiences and personal growth in a comprehensive journal and present the entire project to an evaluation panel consisting of staff, community members and peers. A final narrative evaluation, written by the student's mentor, becomes a part of the student's high school record.

NICE students will be scheduled for one of the following courses, based on the nature of each internship:

- 5643 NICE ECONOMICS (.5 CREDIT)**
- 5644 NICE LAW & GOVERNMENT (.5 CREDIT)**
- 5650 NICE BUSINESS ED (.5 CREDIT)**



EXTENDED DAY PROGRAM

The Extended Day Program at New Rochelle High School provides students with the ability to obtain the necessary credits for graduation, often in a reduced amount of time. Students can attend on a full or part-time basis. Classes are held in the evening from 4:00 PM to 8:30 PM, Mondays through Thursdays. The school year is divided into a Fall and Spring semester. The program offers all of the basic courses available in day school. The specific courses offered rotate each semester.

The forms necessary for applying for the Extended Day Program must be obtained from your child's guidance counselor. These forms need to be brought, in person, to the Extended Day school office in room 145 in order to register for classes.

Extended Day Course Offerings	
ELECTIVES	Sociology, Psychology, Sports Marketing, Career and Personal Finance, Social Media Marketing, ENL Reading/Writing
ENGLISH	English 1, English 2, English 3, English 4 (various electives)
SOCIAL STUDIES	Global History I, Global History II, US History, Economics, Law & Government
SCIENCE	Living Environment, Topics in Earth Science, Topics in Chemistry, Real-Life Science, Astronomy
MATH	Algebra I, Geometry, Intermediate Algebra, Algebra II
LANGUAGE	Spanish I
VISUAL ARTS	Studio Art, Intro to Painting
HEALTH/ P.E.	Health, Physical Education



CSDNR Non-Discrimination Policies



In compliance with Section 504 of the Rehabilitation Act, with Title IX and with Title II of the Americans With Disabilities Act, the New Rochelle City School District does not discriminate on the basis of disabling conditions or gender in any of its educational programs, activities, or employee practices.

These policies on non-discrimination include the following areas: recruitment and employment of personnel, employment pay and benefits, access by students to educational programs, course offerings, and student activities.

Individuals who need auxiliary aids for effective communication or a reasonable modification to participate and benefit equally from programs and services are invited to make their needs and preferences known to the Student Services and/or Special Education Department of the City School District of New Rochelle.