

New Rochelle High School Program Guide



Mathematics Department

Traditional Sequence	Advanced Placement	Dual Enrollment*
Algebra Algebra A/Algebra B	Calculus AB	SUNY (WCC): College Algebra College Precalculus College Calculus I
Geometry H Geometry	Calculus BC	Syracuse (SUPA): Calculus I H Calculus II H Calculus III H Ordinary Differential Equations H
Algebra 2 H Algebra 2 Intermediate/Trigonometry	Statistics	
Precalculus H/Calculus I* College Precalculus* College Algebra*	Computer Science Principles Computer Science A	

Summer Acceleration: Precalculus (11th grade only), Calculus II H

Electives: Statistics & Probability (Intro) , Programming through Gaming

Other: IT Essentials



ENGINEERING & ARCHITECTURAL DESIGN DEPARTMENT

Architectural Design Sequence

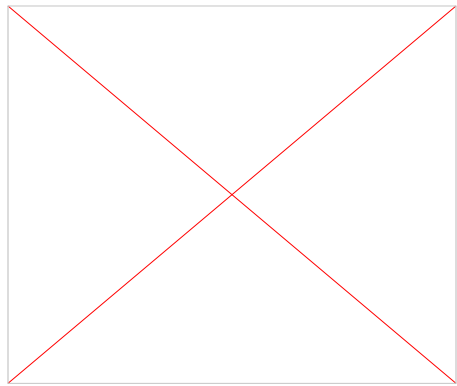
Design and Drawing for Production

College CAD Production Drawings

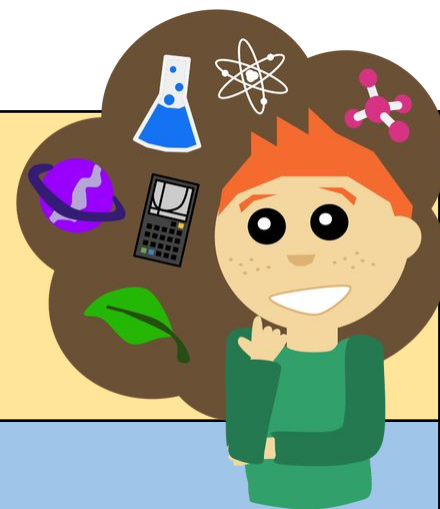
College Computer Aided Residential Drawing

College Architectural Drawings

College Architectural Design



SCIENCE



9th Grade

- Regents Living Environment
- Regents Earth Science
- Regents Chemistry
- Advanced Chemistry
- Advanced Earth Science

10th Grade

- Regents Living Environment
- Regents Chemistry
- Regents Earth Science
- Regents Physics
- Advanced Earth Science
- Advanced Chemistry
- AP Physics 1

11th Grade

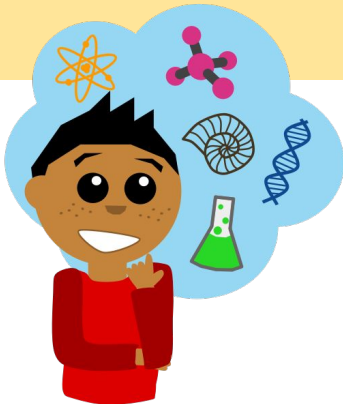
- AP Science Courses
- Regents Physics
- Electives

12th Grade

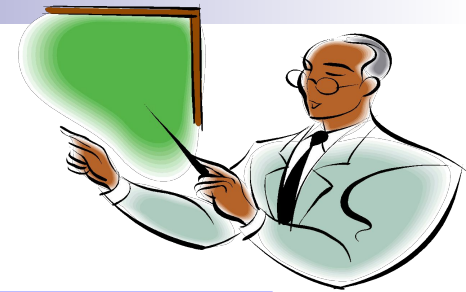
- AP Science Courses
- Electives

Science AP and Elective Courses

- AP: Physics 1 & 2, Physics C, Chemistry, Biology, Environmental Science, College Forensics, Neuroscience
- Robotics (Introductory course)
- Science Research (Pre, 1, 2, 3) - taken in addition to another science class
- Forensic Science, Ethics, Astronomy, Science of Food, Dinosaur Studies, Fauna and Flora, Marine Science



WORLD LANGUAGE



French	Italian	Latin	Spanish	Mandarin
First Year	First Year	-----	First Year	First Year
Second Year	Second Year	Second Year	Second Year	Second Year
Third Year Third Year Honors Check Point B Test	Third Year Third Year Honors Check Point B Test	Third Year Third Year Honors Check Point B Test	Third Year Third Year Honors Check Point B Test	Third Year Third Year Honors Check Point B Test
Fourth Year A.P. Language	Fourth Year Fourth Year Honors	Classical Greek Fourth Year Honors	Fourth Year Fourth Year Honors A.P. Language	Fourth Year Honors
A.P. Language	A.P. Language	Latin A.P.	A.P. Literature	AP Chinese Lang & Culture

World Language Resources

- Tutoring from the Honor Societies in French, Latin, Spanish and Italian.
- Rosetta Stone Program in all languages available for students upon teacher's request.



ENL

Our ENL Department offers ELL's three different ENL level courses: ESL I, ENL II, ENL III. All courses are designed for students whose native language is other than English. The objective is to appropriately prepare students for the NYSESLAT and the Comprehensive English Regents Exam. ENL and ELA Standards are used to guide in the planning and delivery of instruction.

PHYSICAL & HEALTH EDUCATION



National content standards developed by NASPE.

Standard 1: Demonstrates competency in motor skills and movement patterns needed to perform a variety of physical activities.

Standard 2: Demonstrates understanding of movement concepts, principles, strategies, and tactics as they apply to the learning and performance of physical activities.

Standard 3: Participates regularly in physical activity.

Standard 4: Achieves and maintains a health-enhancing level of physical fitness.

Standard 5: Exhibits responsible personal and social behavior that respects self and others in physical activity settings.

Standard 6: Values physical activity for health, enjoyment, challenge, self-expression and/or interaction.

Courses: Physical Education, Safety and Survival, Lifeguarding, Yoga and Pilates, Dance

Please note: Credit will be provided on the basis of .5 credit per school year. Physical Education is required in all 4 years of High School. .5 credit in Health is also required

<u>Grade 9</u> GLOBAL HISTORY I Regents, Sheltered Language	<u>Grade 10</u> GLOBAL HISTORY II Regents, Shelter Language AP World NYS Regents Exam	<u>Grade 11</u> AMERICAN HISTORY & GOVERNMENT AP, Regents, Shelter Language NYS Regents Exam
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Grade 12

Students must choose one course in each of the following subjects to fulfill graduation requirements:

Economics:	Government:
Economics Economics & Personal Finance Career & Financial Management through Economics Entrepreneurship (WCC) AP Human Geography (E) Global Economics	Law & Government History, Gov't & Civic Participation Political Issues Through Film Sports & Social Justice Facing History & Ourselves

Student receives **BOTH** Economics & Government credit if he/she selects any of the following full year courses:

- African American Studies
- AP Macroeconomics
- American Society (ELLs)
- AP Government & Politics
- Latin American & Latino Studies



Electives:

AP European History	Full year
College Sociology	Spring
Psychology	Fall or Spring
Sociology	Fall
Philosophy	Fall or Spring
AP Psychology	Full Year

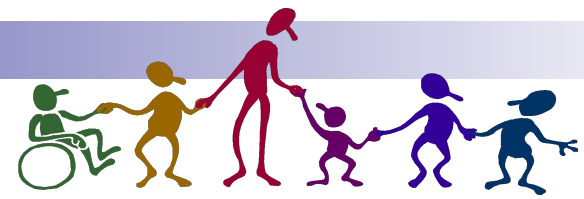
BUSINESS EDUCATION



Business Dynamics	Full Year
Principles of Marketing	Full Year
College Marketing	Full Year
Sports and Entertainment Marketing	Fall
Accounting or College Accounting	Full Year
Business Law or College Business Law	Full Year
Economics and Personal Finance	Fall or Spring
Entrepreneurship	Fall or Spring
Career & Financial Management Through Economics	Fall or Spring
Computer Application Courses	
Digital Literacy	
Computer Applications	Full Year
Social Media Marketing	Spring
Website Design for Beginners	Spring



SPECIAL SERVICES



- Each school district must provide programs designed to meet the particular needs of students whose educational disabilities interfere with their benefit from education.
- Special education instruction may include special education classes, co-taught classes, resource room, or indirect consultant teacher services. Recommendations for general education classes are considered first.
- Career Development and Occupational Studies Credential (CDOS): an individualized program that may be added to a diploma or be its own credential, and includes any or all of the following:
 - internship and work study experiences in the high school
 - volunteer and supported work opportunities in the community
 - Community-Based Culinary - instruction in restaurant skills in an area restaurant
 - Project SEARCH - a nationally recognized program located in an area medical facility

VISUAL ARTS

ART MAJOR SEQUENCE

5 credits required

Pre-requisite: Studio in Art (1 credit)



ART ELECTIVES

Computer Graphics

Studio in Drawing and Painting 1, 2, 3

Studio in Printmaking & Illustration

Studio in Sculpture 1, 2, 3

Studio in Clay 1, 2, 3

Studio in Photography 1, 2

Studio in Virtual Reality Sketchbook

Studio in

Studio Art AP: Drawing Portfolio, Two-Dimensional Portfolio,
Three-Dimensional Portfolio

Art: Independent Study

PERFORMING ARTS

PERFORMANCE	GRADES
Huguenot Orchestra	9, 10
Concert Band	9, 10, 11, 12
Percussion Class	9, 10, 11, 12
Choraleers	9, 10
Chorale	10, 11, 12
Symphonic Band	10, 11, 12
Voice Lessons	9, 10, 11, 12
Instrumental Lessons	9, 10, 11, 12
Symphonic Orchestra	9, 10, 11, 12
ACADEMIC MUSIC	
Applied Music	9, 10, 11, 12
Foundations of Music	9, 10, 11, 12
Music in Our Lives/Piano Lab	9, 10, 11, 12
Advanced Musicianship (AP)	10, 11, 12

SEQUENCE OPTIONS	
<p><u>Three Year Sequence</u> 2 Units of <u>Skill Development</u> +1 Unit of <u>Musical Knowledge</u> =3 Unit Major Sequence in Music</p>	<p><u>Five Year Sequence</u> 3 Units of <u>Skill Development</u> +2 Units of <u>Musical Knowledge</u> =5 Unit Major Sequence in Music</p>
<p><u>Skill Development</u> Concert or Symphonic Band Huguenot or String Orchestra Choraleers Chorale</p>	<p><u>Musical Knowledge</u> Foundations of Music Advanced Musicianship (AP)</p>



All students are required to complete 1 full credit of art/music

PAVE

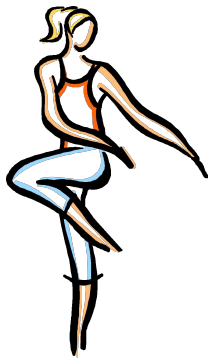


(Performing And Visual Arts Education)

We “Pave” the way for our future Performing and Visual Artists

PROGRAM REQUIREMENTS

1. Apply for admission through the Music/Art office and pass an Audition held annually in March.
2. As a Music Major, you must enroll in a major school ensemble
3. As an Acting Major, you must take Musical Theater in America and Screen Writing & Filmmaking.
4. As an Visual Arts Major, you must take Studio Art or Freshman year and advanced Studio courses in your Sophomore, Junior and/or Senior Year.
5. As a Dance Major, you must take Performance Dance.



PAVE



(Performing And Visual Arts Education)

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PAVE Course Sequence

	PAVE I	PAVE II	PAVE III	PAVE IV
Acting	Screenwriting & Filmmaking	American Musical Theatre	<i>No Companion Course</i>	<i>Senior Acting Company</i>
Band	Concert Band	Symphonic Band*	Symphonic Band*	Symphonic Band*
Orchestra	Huguenot Orchestra	Symphony Orchestra*	Symphony Orchestra*	Symphony Orchestra*
Vocal	Choraleers	Chorale*	Chorale*	Chorale*
Dance	Performance Dance	Performance Dance	<i>No Companion Course</i>	<i>No Companion Course</i>
Visual Arts	Studio Art	Art Elective	Art Elective	

* Audition/Instructor Permission



ENGLISH

9th Grade - English I

Regents

10th Grade - English 2

Regents, Regents Honors

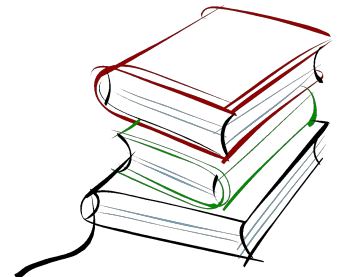
11th Grade - English 3

AP-Language and Composition,
Honors, Regents,
Regents Seminar

12th Grade - English 4

AP Literature and Composition,
Regents Honors,
Electives, Academic Intensive

- All English classes on all grade levels will focus on the achievement of the Common Core Learning Standards



Senior Offerings:

African American Literature

World Literature

Film as a Narrative Form

Film and Literature

Literature of Mystery

Journalism

Creative Writing

Speech/Communications

Literature and Psychology

Myth and Legend

Regents Intensive

Introduction to Poetry

Shakespeare

The Immigrant Experience Through Film and Literature

Senior Seminar (College Reading – Fall; College Writing – Spring)

The Bible as Literature

SUPA: Practices of Academic Writing

