



Rising 8th Grade Course Selections

8th Grade Course Selections

Core Classes:

- Math (choice)
- Science (choice)
- ELA
- Social Studies

Electives (choice):

- Support classes (General education & Special education)
- Health
- Engineering
- World Language
- Physical Education
- Music ensemble or lab
- Art 8/Canvas and Timber/RMS Alive/Speech & Debate



Sample 8th Grade Schedule - Ensemble

1(A-J)	25-26	Chorus 7/8
2(A-J)	25-26	Algebra 1
3(A-J)	25-26	Soc St 8
4(A-J)	25-26	French Year 3MS
5(A-B,D-G,I-J)	25-26	Phy Ed 8
5(C,H) 7(A-J)	25-26	Science 8
6(A-J)	25-26	Lunch 8
8(A-J)	25-26	English 8
9(A-J)	S2	Health 8
9(A-J)	Q1	Engineering 8
9(A-J)	Q2	Engineering 8



Sample 8th Grade Schedule - No Music

1(A-J)	S1	Speech and Debate
1(A-J)	S2	RMS Alive
2(A-J)	25-26	Soc St 8
3(A-J)	25-26	Algebra 1
4(A-J)	25-26	Spanish Year 3MS
5(A-B,D-G,I-J)	25-26	Phy Ed 8
5(C,H) 7(A-J)	25-26	Science 8
6(A-J)	25-26	Lunch 8
8(A-J)	25-26	English 8
9(A-J)	S2	Health 8
9(A-J)	Q1	Engineering 8
9(A-J)	Q2	Engineering 8



Math 8 vs Alg 1

Math 8 (Grade Level Course)

- Covers Grade 8 Math NGLS
- This course aims to reinforce and build upon the algebraic skills developed in the seventh grade math curriculum while also introducing new concepts in geometry, statistics, linear equations, functions, and more.
- Students will take the NYS Math 8 exam

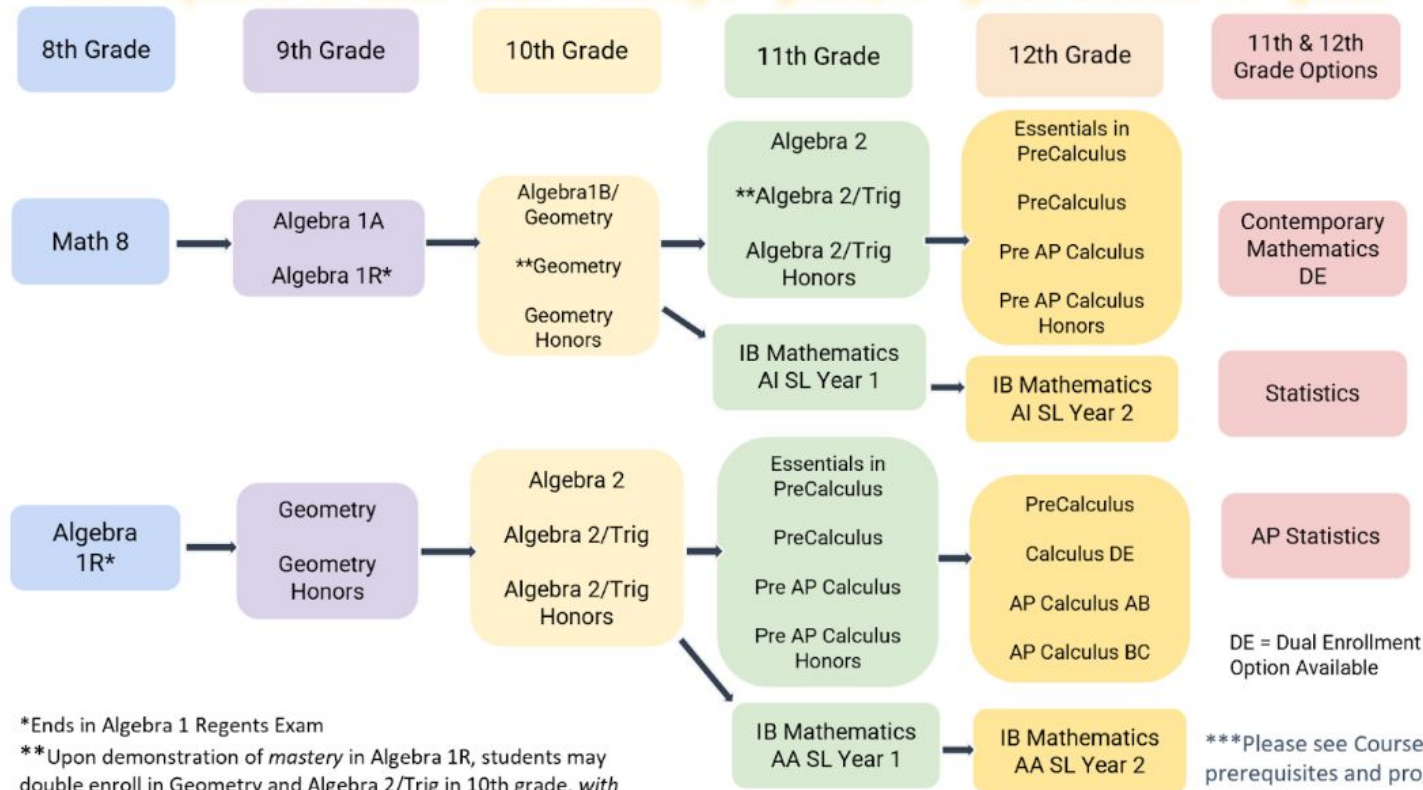
Algebra 1 (Accelerated Course)

- Algebra 1 NGLS
- Students will spend time exploring linear, quadratic, and exponential functions, radicals, sequences, polynomials, and statistics
- NYS Math 8 exam **and** the Algebra 1 Regents exam in June
- Final grade on the high school transcript
- **Required summer work** - Topics include: scientific notation, Pythagorean theorem, and transformational geometry



RHS Math Pathway

Math Options for 2026-2027 – Rising 9th grade, 10th grade & some 11th grade



*Ends in Algebra 1 Regents Exam

**Upon demonstration of *mastery* in Algebra 1R, students may double enroll in Geometry and Algebra 2/Trig in 10th grade, with teacher recommendation

***Please see Course Catalog for prerequisites and program descriptions



HS Math Advancement Options

If a student in Math 8 wants to advance in mathematics in high school, there are three options:

Option 1: Double enroll in Geometry and Algebra 2/Trig in 10th grade (with teacher recommendation)

Option 2: Enroll in RCSD Geometry course the summer prior to 10th grade

Option 3: Enroll in a pre-approved outside course and successfully complete a placement exam at the end of the summer



Science Course Selection

Science 8 (Grade level)

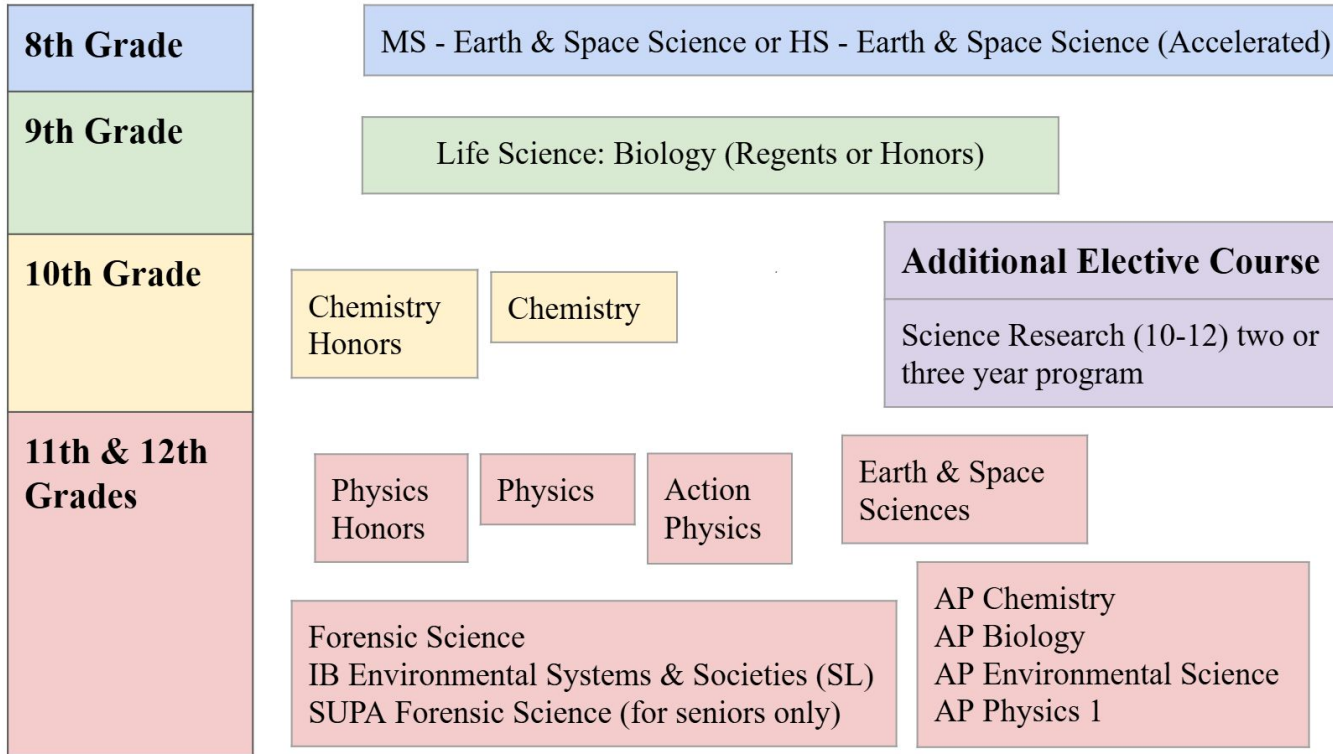
- Covers Grade 8 Next Generation Science Standards (NGSS)
- Includes Crosscutting Concepts and Science & Engineering Practices
- Science 8 State Exam (covering 6-8 science)
- Required Labs

Earth & Space Science (Accelerated Option)

- New Course based on NGSS
- Covers all MS and HS Earth Science Standards
- Some additional emphasis on other HS level science content (Life Science & Chem)
- Substantial required work outside of class
- Required Labs
- Earth & Space Science HS Regents test
- Final grade on the high school transcript
- Required Summer work



Rye High School Science Pathways



Taking accelerated science in 8th grade does not put a student on an accelerated track for HS. ALL 9th grade students take Biology and ALL 10th grade students take Chemistry. Students from both Science 8 or Earth & Space Science can take a variety of science classes in 11th and 12th grades.