

The background is a vibrant green with various math-related icons and school supplies scattered around. At the top, there's a yellow pi symbol, a purple star, a blue multiplication sign, another purple star, a purple equals sign, a third purple star, a yellow less-than-or-equal-to sign, and a fourth purple star. To the right, a yellow ruler is shown. On the left, a yellow lightbulb is depicted. Below the lightbulb, there's a purple star and a red plus sign. In the bottom left, there are two spiral-bound notebooks, one with a red cover and one with a blue cover. A red paperclip and a yellow paperclip are also visible. On the right side, there's a yellow pencil with a pink eraser and a black calculator with a red display showing '75.0'. A black division sign is also present.

Seafood Middle School's 8th Grade Math Course Offerings

Dr. Nicole A. Culella, Executive Director for STEM & Instructional Technology
Dr. Alison Offerman-Celentano, Assistant Superintendent for Curriculum & Assessment

Agenda

- Introduction
- Example Math Course Pathways
- 8th Grade Course Selection Process
- Math 8 vs. Algebra 1
- Spring Assessments
- Parent Resources

$$(x^a)^b = x^{ab}$$
$$2x + 47 = 0$$



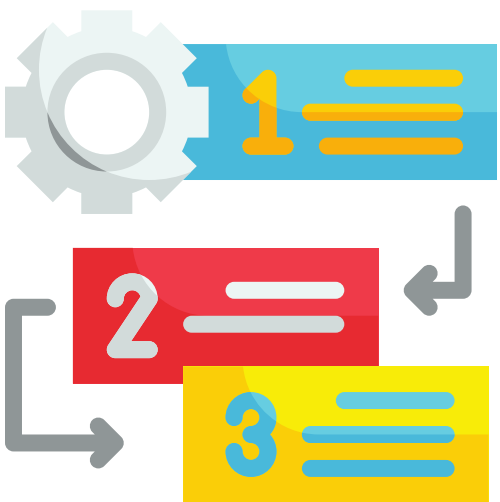
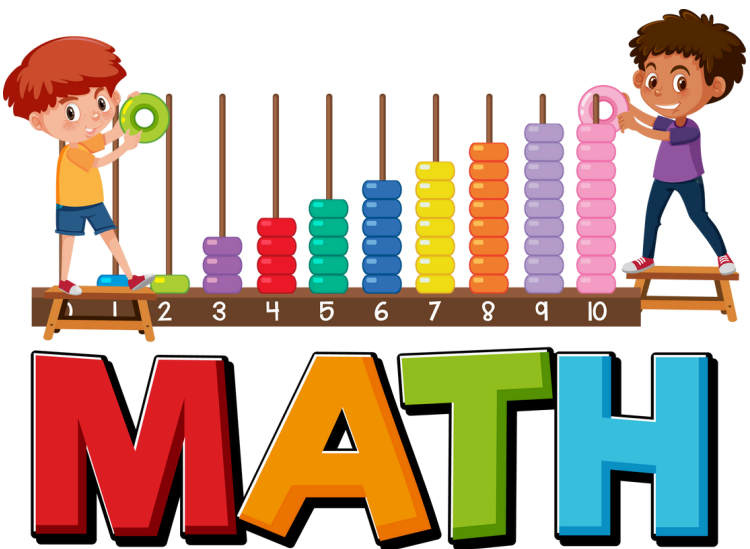
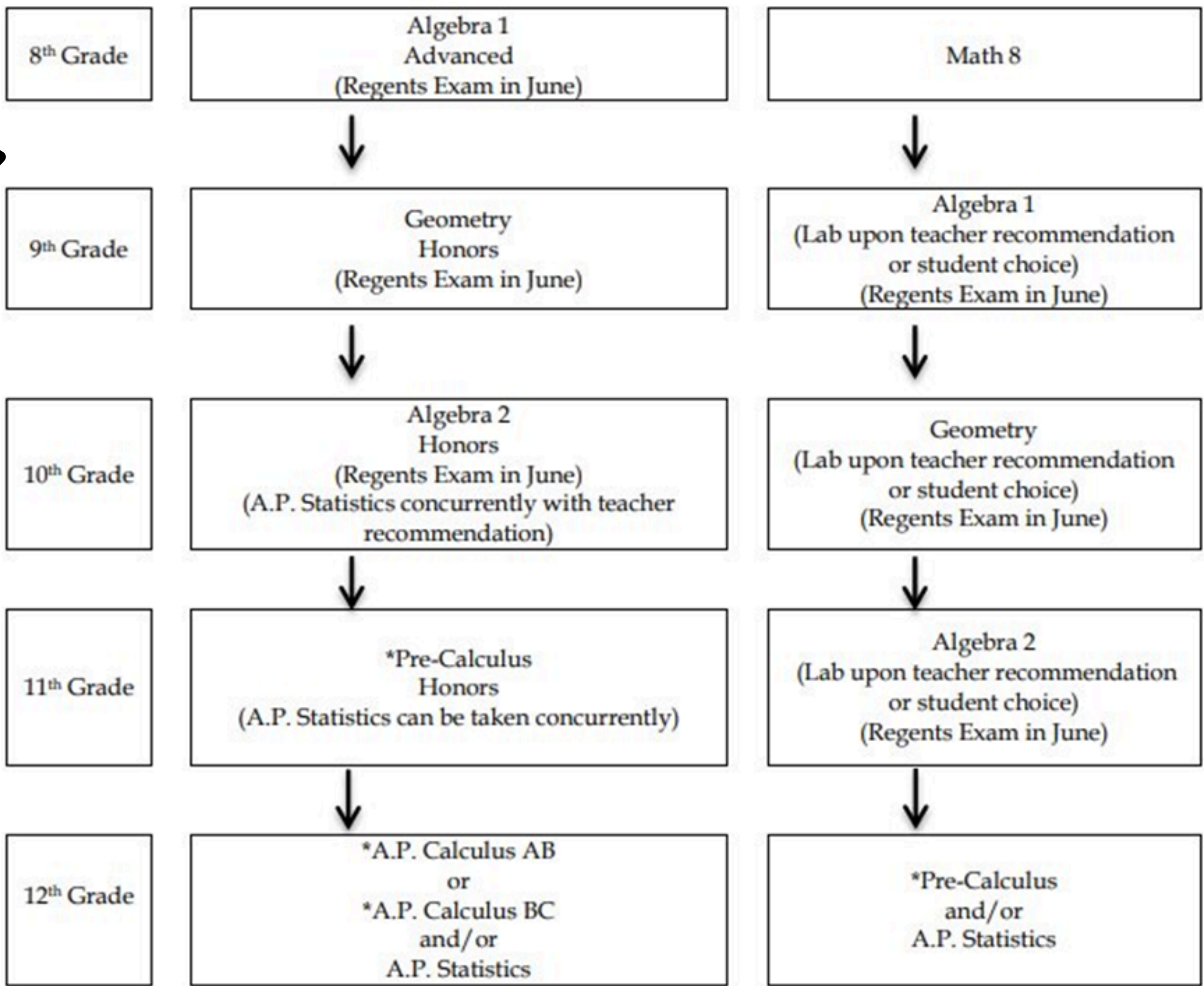
Seafood Course Catalog



NOTE: These are the usual sequences; however, alternative pathways may be determined based on individual student achievement.

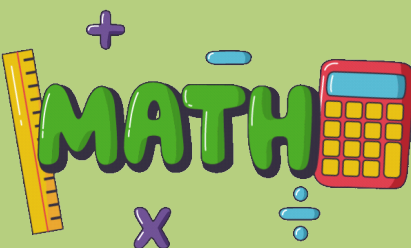


Possible Math Scheduling Sequences



* = A.P. Statistics could be taken in conjunction with this course if the requirements are met.

MST or Qualified Business/Computer Course



Students will be enrolled in the Algebra 1 course based on meeting or exceeding the rubric benchmark score of 85% and will be notified of their placement in Algebra I prior to the end of the school year.

Criteria for Math Acceleration Process	% in Rubric
Overall Math 7 Average: Calculated at the end of the 3rd quarter	45%
Overall 7th Grade Average: Calculated at the end of the 3rd quarter	20%
Score on the Algebra Readiness Assessment: Administered in early June to all students in Math 7	20%
Math RIT Score from the Spring NWEA Assessment Administered mid-May to all students in Math 7	10%
Teacher Recommendation	5%



Note: Parents of students who did not meet or exceed the rubric benchmarks may complete a form to request enrollment in Algebra I. Once the form is received in guidance, students will be invited with their parents to meet with their guidance counselor and the Executive Director for STEM & Instructional Technology.

100%

Math 8 vs. Algebra

Math 8

- Aligned with the NYS Next Generation Standards
- Prepares students for Algebra 1
- Local Assessment given for the final exam
- Fall/Winter/Spring NWEA Benchmarks
- NYS Math 8 Exam Spring

Algebra

- Aligned with the NYS Next Generation Standards
- Specific skills carry over into Geometry and Algebra II
- Regents Exam for Final Assessment
- Fulfills high school graduation requirement
- Taking Algebra 1 in 8th grade accelerates the completion of the high school required math sequence

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$a(b+c) = ab+ac$$

Math 8 vs. Algebra

Math 8 Topics/Units	Algebra I Topics/Units
Angle Relationships	Exponential Functions & Equations
Transformations	Quadratic Functions
Scientific Notation	Quadratic Equations & Factoring
Pythagorean Theorem	Sequences & Series (added to linear/exp unit)
3D Formulas	Transformation of Functions
Exponent Operations	Polynomial Operations (expansion of exponent ops)
	Literal Equations (added to equations unit)
	Misc. Functions (i.e. piecewise, abs, etc.)

What's the difference?



Spring 2025 Assessments

**Spring Math NWEA:
May 12th-June 12th (grades 6-8)**

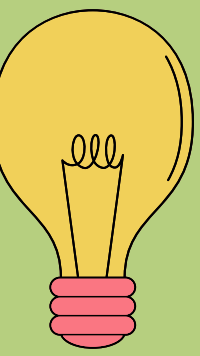
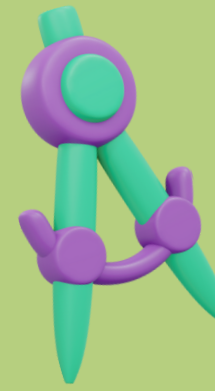
**Grade 7 State Testing ELA: April 29-30
Grade 7 State Testing Math: May 7-8**

**Algebra 1 Readiness Assessment:
Early June**

Letters Home to Families: June 2025

Math & Assessment Resource Page

You can use the hyperlinks or QR codes to access parent resources for the NY State Exams, Algebra Resources, and NWEA Family Toolkit with videos to explain MAP growth.



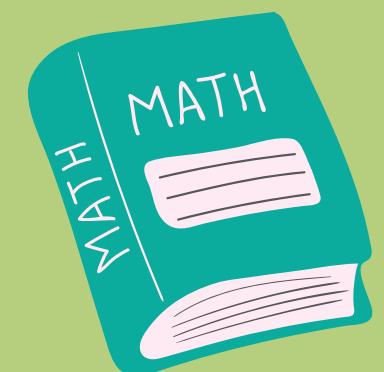
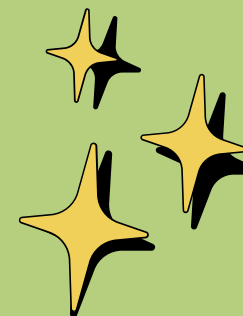
NYS Exams
Parent
Resources

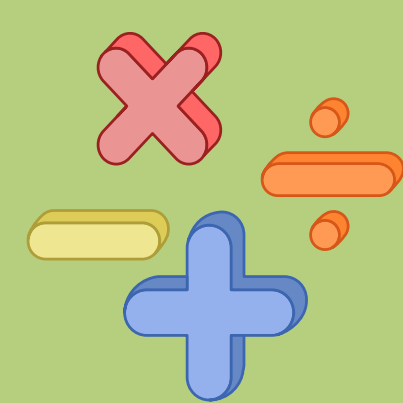


NYS
Algebra 1
Resources



NWEA Family
Toolkit





THANK
YOU

Please reach out with any questions
Dr. Nicole A. Culella
nculella@seaford.k12.ny.us
516-592-4390