



Grade 7 Math Acceleration Workshop

Math Courses Offered in 8th Grade

Math 8	Algebra I	Algebra I Honors
<ul style="list-style-type: none">• Curriculum covers the 8th Grade New York State Next Generation Learning Standards<ul style="list-style-type: none">• Expressions and equations,• Functions• Analyzing two & three dimensional figures• Application of the Pythagorean Theorem• Culminates in the NYS exam	<ul style="list-style-type: none">• Curriculum covers the Algebra I NYS Next Generation Learning Standards<ul style="list-style-type: none">• Expressions & Equations• Polynomials• Functions,• Transformations• Systems of equations• Descriptive statistics• Considered a High School level course, final course grade will appear on HS transcript• Culminates in a Regents exam (this is a HS graduation requirement)	<ul style="list-style-type: none">• Curriculum covers the Algebra I NYS Next Generation Learning Standards• Final course grade will appear on HS transcript• Culminates in a Regents exam (this is a HS graduation requirement)• Students are expected to solve rigorous and abstract problems• Students engage in learning tasks that are self guided and require independent discovery





Criteria	Algebra	Algebra Honors
Cumulative Test / Quiz Average	85% or higher	95% or higher
MAPs Tests	Projected to achieve proficiency (high level 3) on NYS Standards. Student demonstrates growth from previous years.	Projected to achieve mastery (mid-level 4) on NYS Standards. Student demonstrates consistent growth from previous years.
Math 7/8 Final Exam	90% or higher	95% or higher
Student Profile	85% or higher	95% or higher



Student Profile for Accelerated Math

Students are assessed on a scale of 1 - 4 in the following categories

1. Submits quality classwork & homework	6. Persistent in working through challenging material
2. Easily masters new mathematical skills and concepts. Student demonstrates quick recall.	7. Can work independently with minimal direction and Assistance.
3. Displays strong work habits. Student is intrinsically motivated, asks questions, and uses resources when necessary.	8. Can think abstractly.
4. Recognizes and understands the various alternative strategies in problem solving.	9. Takes initiative to challenge oneself in a variety of ways.
5. Consistently clearly explains their thinking both oral and written.	10. Manages demands and high expectations.

Final Thoughts on Acceleration

- Our goal is to match each child to the program that is right for them.
- Accelerated coursework is a heavy lift unless your child is truly ready. Interest, skills, and work habits **ALL** matter.
- We are building foundational skills to support growth as a mathematician as concepts build and expand each year. Trust that the teacher knows your child as a learner.
- If a student is not in an accelerated math class in grade 8 there is still an opportunity to accelerate in high school during grade 10 where students can take Geometry and Algebra II concurrently.