



TROY SCHOOL DISTRICT MIDDLE SCHOOL MATH PROGRAMMING



ALL CURRENT Math 7 Students

This Spring, families with students currently enrolled in Math 7 will have the opportunity to select their student's next math course, Math 8 or Honors Algebra 1.

In preparation for that decision, please consider the following information.

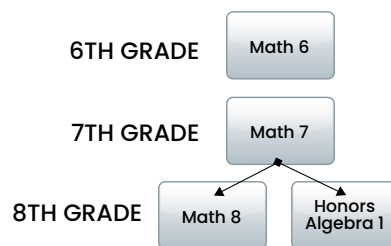
What is the difference between Math 8 and Honors Algebra 1?

Math 8 provides students with a foundational framework around linear relationships through exploration of constant and non-constant rates of change. In this problem-based course students develop connections between mathematical representations through physical models. Students also continue the exploration of geometric representations and concepts. This course provides a pivotal bridge for students from the physical to the symbolic representations of Algebra 1.

Honors Algebra 1 is an accelerated course that incorporates the essential Math 8 standards with Algebra 1 content. This course establishes linear, exponential, and quadratic function families through generalizations of key characteristics. Students develop algebraic generalizations and efficiency in problem-solving. Essential Math 8 content includes work with geometry in similarity, congruence, Pythagorean theorem and volume. Algebra 1 is a high school course and, as such, this grade will appear on students' high school transcripts.

 Please visit our website for more information about these courses.

Middle School Math Sequence



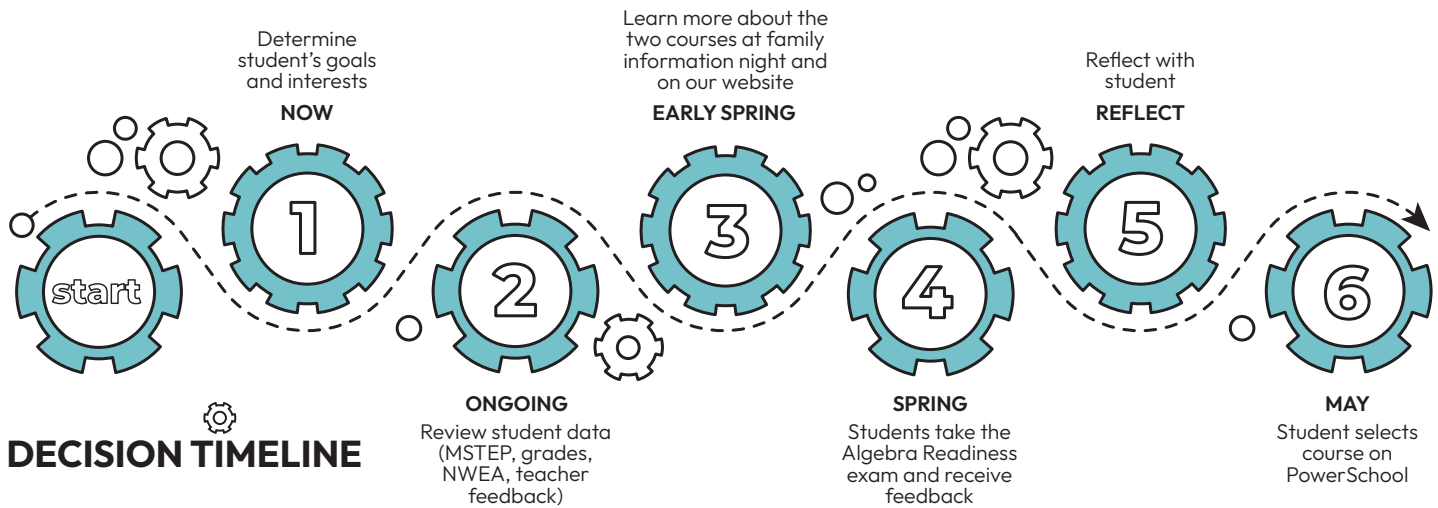
At the end of Math 7, students and families will select Math 8 or Honors Algebra 1. No test out is required.

March 18th Math 8 and Honors Algebra 1 Family Information Night

Dr. Ted Coe will join us on March 18, 2024 at Athens High School TACC from 7-8p.m. We will discuss the mathematical ways of thinking and doing that take place in Math 8 and in Algebra 1. We will consider the differences between these courses and how they align to your student's needs and goals. Dr. Coe works to promote high-quality mathematical experiences for all and collaborates with school districts, states, and universities around the nation. He is passionate about mathematics teaching and learning and draws on more than 25 years of experience. **See our website for more information and to RSVP.**



<https://www.troy.k12.mi.us/academic/math/middle-school>



What might I consider as I make this decision with my student and family?

What are your student's goals and interests when it comes to mathematics? How does your student approach problem-solving? How does your student perform numerical calculations and estimation? Does your student enjoy his/her math class and math in general?

What data points might I consider as I make this decision with my student and family?

Some data points to consider include:

- ⚙ Standardized test scores such as MSTEP and NWEA¹.
- ⚙ Grades in current and past math classes.
- ⚙ Interest and goals in mathematics.
- ⚙ Algebra 1 Readiness assessment - taken in the Spring prior to scheduling by all students in their Math 7 class. You will receive a report with detailed information about your students's readiness for Algebra 1.

How will I communicate my family's choice with our school?

In May, middle schools will begin scheduling students for the upcoming school year. During this time, you will communicate your course choice.

Still have questions? No problem!

Please visit our website or reach out to your student's math teacher, middle school counselor, or the building principal with any additional questions. We are happy to help!

¹ NWEA is a norm referenced assessment that all Math 7 students will take one or two times this school year. Individual student reports will be sent to families via email.

