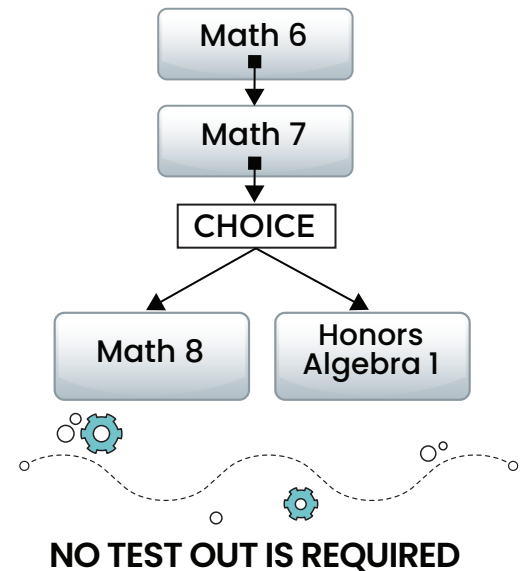


MIDDLE SCHOOL MATH PROGRAMMING

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.

Middle School Math Sequence



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

Math 8

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.

Math 8 Units:

- Rigid Transformation and Congruence
- Dilation, Similarity, and Introducing Slope
- Linear Equations and Linear Systems
- Functions and Volume
- Associations in Data
- Exponents and Scientific Notation
- Pythagorean Theorem & Irrational Numbers

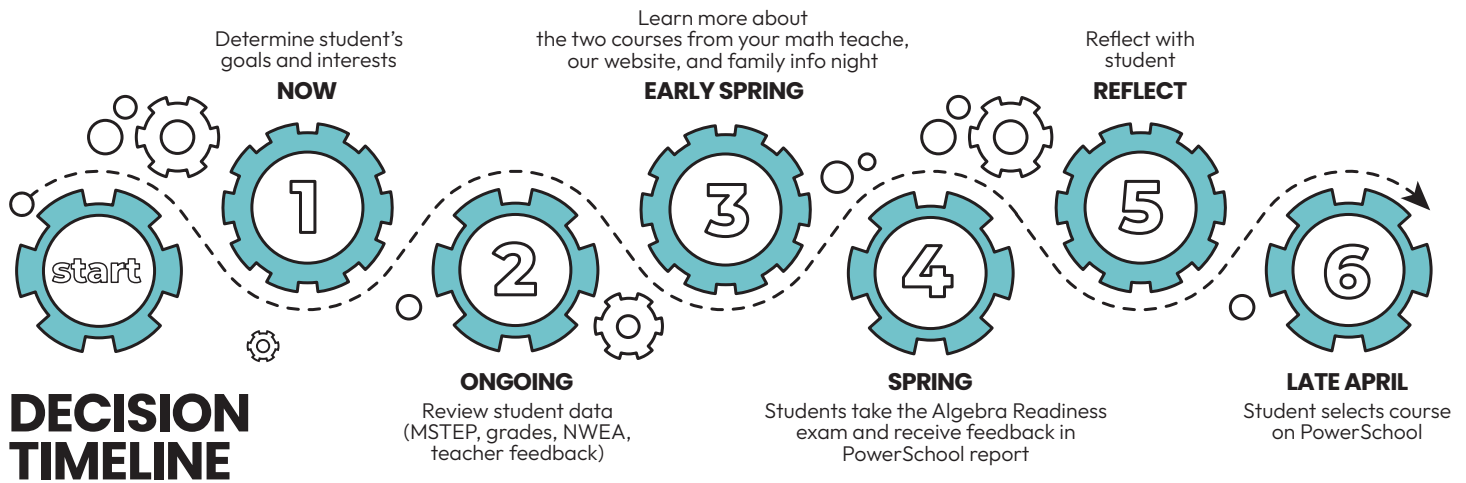
Honors Algebra 1

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.

Honors Algebra 1 Units:

- Rigid Transformations and Congruence
- Dilations, Similarity, and Introducing Slope
- Linear Relationships
- Linear Equations, Inequalities and Systems
- One-Variable and Two-Variable Statistics
- Introduction to Exponential Functions
- Pythagorean Theorem & Irrational Numbers
- Functions
- Introduction to Quadratic Functions
- Quadratic Equations





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? Is your student passionate about 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:

- ⚙ Interest and goals in mathematics.
- ⚙ Standardized test scores such as MSTEP and NWEA.
- ⚙ Overall grades in current and past math classes.
- ⚙ Algebra 1 Readiness assessment results. All students take this assessment in their Math 7 class in the Spring. A detailed report will be available in PowerSchool.

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

In late April, a form will open in PowerSchool, you will use this form to communicate your course choice.

Still have questions? No problem!

Reach out to your student's math teacher, middle school counselor, or building principal with questions. We are happy to help!

Attend the Family Information Night at Baker Middle School on April 09, 2026, 7:00p.m. to 8:00 p.m.

Prepared for Honors Algebra 1: Sample Data Points



My student is highly engaged in mathematics and enjoys learning and practicing mathematics. My student looks for additional challenge regularly.

NWEA

- Operations and Algebraic Thinking (HiAvg or Hi)
- The Real & Complex Numbers System (HiAvg or Hi)

MSTEP

- Advanced or Proficient

Math 6 & Math 7 Grades

- A-B

Algebra Readiness Assessment

- Overall score of around 60%
- On the report, look at the questions labeled as **CCSS.Math.Content.6** and **CCSS.Math.Content.7**, this means the questions address Math 6 and Math 7 standards, content students have already been taught. Students should demonstrate a high level of mastery on these questions.

