

Middle School Math

If you have any questions, please feel free to contact me at jacob.hartman@fnesu.org.

In 6th, 7th and 8th Grade math we utilize the Amplify Desmos online platform as the main source of our standards based curriculum. Desmos utilizes many models and simulations to help students develop their understanding of how and why math concepts work before they practice their accuracy with computing. Desmos is not entirely online, we do many lessons in class utilizing physical models and on paper making tables and graphs. A big part of the curriculum is getting students to engage in academic discourse throughout the learning process. I encourage you to have your student show you some of the lessons that they have been working on and the simulations that are used to help develop their understanding.

Grading: Standards based grades that are on report cards are the priority standards for each grade. These standards are essential to all students in the development of mathematical understanding, problem solving and the ability to access higher level mathematics. A student's scores of Beginning, Approaching, Proficient, or Exceeding are derived from their performance on assessments completed in the classroom. These assessments include but are not limited to summative unit assessments, lesson cool downs and other formative assessments such as interviews, performance tasks, skills practice on other applications, eg. Khan Academy.

[FNESU Middle School Curriculum Site Math 6-8](#)

Welcome, Amplify Desmos Math families!

There is a tremendous amount of information about the curriculum available by following the link above. The links below can also be found on that website.

6th Grade Math

Trimester 1

Unit 1: Area and Surface Area

[Family Resource](#)

Unit 2: Introducing Ratios

[Family Resource](#)

Unit 3: Unit Rates and Percentages

[Family Resource](#)

Trimester 2

Unit 4: Dividing Fractions

[Family Resource](#)

Unit 5: Decimal Arithmetic

[Family Resource](#)

Trimester 3

Unit 6: Expressions and Equations

[Family Resource](#)

Unit 7: Positive and Negative Numbers

[Family Resource](#)

Unit 8: Describing Data

[Family Resource](#)

7th Grade Math

Trimester 1

Unit 1: Scale Drawings

[Family Resource](#)

Unit 2: Introducing Proportional Relationships

[Family Resource](#)

Unit 3: Measuring Circles

[Family Resource](#)

Trimester 2

Unit 4: Proportional Relationships and Percentages

[Family Resource](#)

Unit 5: Operations With Positive and Negative Numbers

[Family Resource](#)

Trimester 3

Unit 6: Expressions, Equations, and Inequalities

[Family Resource](#)

Unit 7: Angles, Triangles, and Prisms

[Family Resource](#)

Unit 8: Probability and Sampling

[Family Resource](#)

8th Grade Math

Trimester 1

Unit 1: Rigid Transformations and Congruence

[Family Resource](#)

Unit 2: Dilations, Similarity, and Introducing Slope

[Family Resource](#)

Unit 3: Proportional and Linear Relationships

[Family Resource](#)

Trimester 2

Unit 4: Linear Equations and Linear Systems

[Family Resource](#)

Unit 5: Functions and Volume

[Family Resource](#)

Trimester 3

Unit 6: Associations in Data

[Family Resource](#)

Unit 7: Exponents and Scientific Notation

[Family Resource](#)

Unit 8: The Pythagorean Theorem and Irrational Numbers

[Family Resource](#)