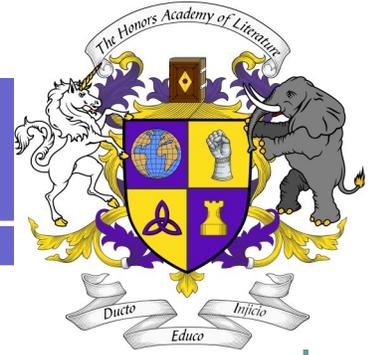


JANUARY 20—JANUARY 24

MS. AUDREY— MATH

HONORS ACADEMY OF LITERATURE



Common Core State Standards

CCSS.Math.Content.7.NS.A.1b Understand $p + q$ as the number located a distance $|q|$ from p , in the positive or negative direction depending on whether q is positive or negative. Show that a number and its opposite have a sum of 0 (are additive inverses). Interpret sums of rational numbers by describing real-world contexts.

CCSS.Math.Content.7.NS.A.2c Apply properties of operations as strategies to multiply and divide rational numbers.

CCSS.Math.Content.7.NS.A.2d Convert a rational number to a decimal using long division; know that the decimal form of a rational number terminates in 0s or eventually repeats.

CCSS.Math.Content.8.EE.C.7b Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms.

In-class Graded Assignments

- **Edit mathcounts videos.**
- **Classwork related to lessons**

Homework Graded Assignments

- **Support math video projects**
- **Complete 3 choices from homework menu for extra credit**

Objectives and Validation

- **Objective:** Students will use oral and written literacy skills to explain a math problem through film.
Measure: Mathcounts video project.
- **Objective:** Group 1: Students will be able to add, subtract, multiply, and divide positive and negative integers using the order of operations and will be able to solve simple algebraic equations using these concepts.
Measure: teacher observation, classwork, homework and unit test.
- **Objective:** Group 2: Students will be able to factor algebraic expressions, and will begin to factor and solve quadratic equations.
Measure: teacher observation during classwork, homework, and unit test

Mini-Lesson Topics

Solving quadratic equations through factorization

Factorization of quadratic equations

Rounding to decimal places

Real Numbers and use of calculators

Problems involving quadratic equations

Introduction to Algebra

* See your child's Developmental Education Plan for one-on-one and small group instruction