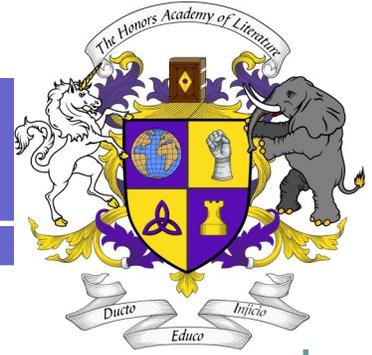


NOVEMBER 18—NOVEMBER 22

MS. AUDREY— MATH



HONORS ACADEMY OF LITERATURE

Common Core State Standards

CCSS.Math.Content.8.EE.A.3 Use numbers expressed in the form of a single digit times an integer power of 10 to estimate very large or very small quantities, and to express how many times as much one is than the other. *For example, estimate the population of the United States as 3 times 10^8 and the population of the world as 7 times 10^9 , and determine that the world population is more than 20 times larger.*

CCSS.Math.Content.8.EE.A.4 Perform operations with numbers expressed in scientific notation, including problems where both decimal and scientific notation are used. Use scientific notation and choose units of appropriate size for measurements of very large or very small quantities (e.g., use millimeters per year for seafloor spreading). Interpret scientific notation that has been generated by technology

CCSS.Math.Content.7.NS.A.1 Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram.

CCSS.Math.Content.7.NS.A.2 Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers.

Objectives and Validation

- Objective: Students will investigate the blind spot and visual perception
Measure: Teacher observation during activity and exit tickets
- 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
Measure: teacher observation, classwork, and homework.
- Objective: Group 2: Students will understand how to simplify and solve expressions involving exponents and scientific notation.
Measure: review exercise 1 and exam.
- Objective: Group 2: Students will begin to solve systems of linear equations with two variables.
Measure: teacher observation during classwork.

In-class Graded Assignments

- Continue filming mathcounts videos.
- Classwork related to lessons

Homework Graded Assignments

- Support math video projects
- Complete 3 choices from homework menu

Mini-Lesson Topics

Order of operations
Visual perception and illusions
Review exponents, rounding, and scientific notation concepts
Addition, Subtraction, Multiplication, and Division of negative numbers
Video shooting and editing
Linear equations in two variables

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