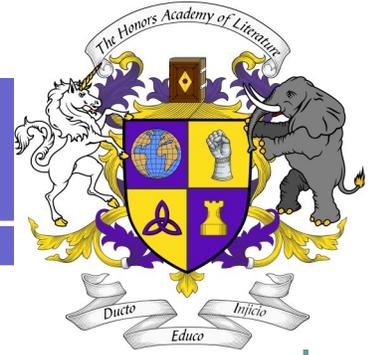


AUGUST 18—AUGUST 22

MS. AUDREY— MATH

HONORS ACADEMY OF LITERATURE



Common Core State Standards

CCSS.MATH.CONTENT.8.EE.A.2

Use square root and cube root symbols to represent solutions to equations of the form $x^2 = p$ and $x^3 = p$, where p is a positive rational number. Evaluate square roots of small perfect squares and cube roots of small perfect cubes. Know that $\sqrt{2}$ is irrational.

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.6.NS.B.4

Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12. Use the distributive property to express a sum of two whole numbers 1-100 with a common factor as a multiple of a sum of two whole numbers with no common factor. *For example, express $36 + 8$ as $4(9 + 2)$.*

Objectives and Validation

- Objective: Group 1: Given a set of numbers, students will be able to determine and least common multiple and greatest common factor. Given a particular number, they will be able to determine the prime factorization and any perfect square or cube roots.
Measure: classwork, homework, and unit test,
- Objective: Group 2: Students will begin to explore the rules of exponents, including positive, negative, and fractional exponents. They will understand scientific notation and be able to perform calculations using scientific notation.
Measure: Homework, classwork and unit test.
- Objective: Group 3: Students will serve as mentors to the rest of the class until their text books arrive.
Measure: teacher observation.

In-class Graded Assignments

- Classwork related to lessons

Homework Graded Assignments

- Complete homework menu and worksheets related to classwork.

Mini-Lesson Topics

Computer programming
Least Common Multiple
Square Roots and Cube Roots
Fractional Exponents
Comparing Exponents
Scientific Notation
Significant Figures
Science current events
Science resources on the Internet

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