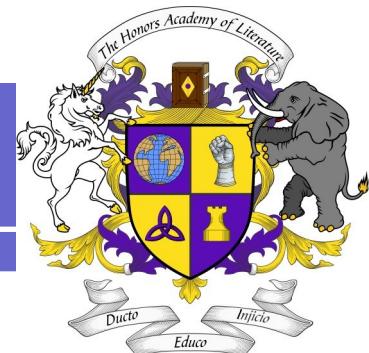


MAY 12—MAY 16

MS. AUDREY- MATH

HONORS ACADEMY OF LITERATURE



Common Core State Standards

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.RP.A.3

Use proportional relationships to solve multistep ratio and percent problems. Examples: simple interest, tax, markups and markdowns, gratuities and commissions, fees, percent increase and decrease, percent error.

CCSS.MATH.CONTENT.HSG.SRT.C.6

Understand that by similarity, side ratios in right triangles are properties of the angles in the triangle, leading to definitions of trigonometric ratios for acute angles.

In-class Graded Assignments

- Classwork related to lessons

Homework Graded Assignments

- Complete homework menu and worksheet related to classwork.

Objectives and Validation

- Objective: Group 1: Students will solve problems involving rate, ratio and speed.
Measure: classwork, homework, and unit test,
- Objective: Group 2: Students will plan and complete a unit looking at computer programming as it relates to mathematics.
Measure: Homework, classwork and student-designed assessment.
- Objective: Group 3: Students will understand scientific notation and be able to compute using scientific notation.
Measure: classwork, homework, and unit test
- Objective: Trig Group: Students will learn how sine, cosine, and tangent are ratios that relate directly to angle measurements, and will use these ratios to solve for unknown sides and angles in triangles.
Measure: student-created trig unit worksheets and assessment project

Mini-Lesson Topics

Computer programming

Computing in scientific notation

Speed

Comparing exponents

Fractional exponents

Scientific Notation

Ratios involving rational numbers

Student-created Trig unit

Average rate

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