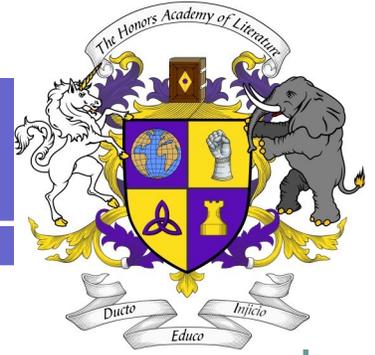


APRIL 27—MAY 1

MS. AUDREY— MATH

HONORS ACADEMY OF LITERATURE



Common Core State Standards

CCSS.MATH.CONTENT.7.SP.A.1

Understand that statistics can be used to gain information about a population by examining a sample of the population; generalizations about a population from a sample are valid only if the sample is representative of that population. Understand that random sampling tends to produce representative samples and support valid inferences.

CCSS.MATH.CONTENT.7.SP.B.4

Use measures of center and measures of variability for numerical data from random samples to draw informal comparative inferences about two populations.

CCSS.MATH.CONTENT.8.EE.A.1

Know and apply the properties of integer exponents to generate equivalent numerical expressions. For example, $3^2 \times 3^{-5} = 3^{-3} = 1/3^3 = 1/27$.

CCSS.MATH.CONTENT.8.EE.C.8

Analyze and solve pairs of simultaneous linear equations.

CCSS.MATH.CONTENT.HSG.C.A.2

Identify and describe relationships among inscribed angles, radii, and chords.

In-class Graded Assignments

- **Classwork related to lessons**

Homework Graded Assignments

- **Group 1-3 — Shakespeare vs. Harry Potter**

T.8.G.B.6

Mini-Lesson Topics

Objectives and Validation

- Objective: Group 1—Students will be able to collect data, represent data in dot plots, and calculate mean, median, and mode.
Measure: classwork, homework, and unit test.
- Objective: Group 2a —Students will be able to analyze and solve systems of two algebraic equations.
Measure: classwork, homework, and unit test.
- Objective: Group 2b—Students will understand the rules of exponents and will be able to simplify expressions involving positive and negative exponents.
Measure: classwork and unit test.
- Objective: Group 3—Students will be able to describe relationships between circles, radii, chords, arcs, and internal angles.
Measure: classwork

VT.8

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Dot Plots
Mean
Median
Mode
Positive Exponents and the Laws of Exponents
Zero and Negative Integer Exponents
Fractional Exponents
Linear Equations in two variables
Solving simultaneous linear equations in two variables using the graphical method
Substitution method

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