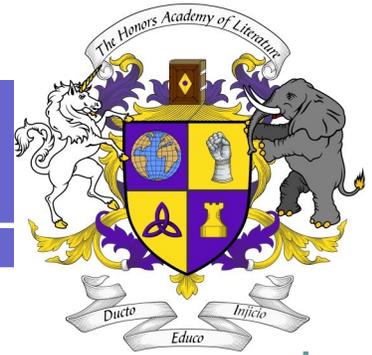


MARCH 24—MARCH 28

MS. AUDREY— MATH



HONORS ACADEMY OF LITERATURE

Common Core State Standards

CCSS.Math.Content.8.G.C.9 Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.

CCSS.MATH.CONTENT.8.EE.B.5

Graph proportional relationships, interpreting the unit rate as the slope of the graph. Compare two different proportional relationships represented in different ways. For example, compare a distance-time graph to a distance-time equation to determine which of two moving objects has greater speed.

CCSS.MATH.CONTENT.8.EE.B.6

Use similar triangles to explain why the slope m is the same between any two distinct points on a non-vertical line in the coordinate plane; derive the equation $y = mx$ for a line through the origin and the equation $y = mx + b$ for a line intercepting the vertical axis at b .

CCSS.MATH.CONTENT.7.SP.C.5

Understand that the probability of a chance event is a number between 0 and 1 that expresses the likelihood of the event occurring. Larger numbers indicate greater likelihood. A probability near 0 indicates an unlikely event, a probability around $1/2$ indicates an event that is neither unlikely

In-class Graded Assignments

- **Classwork related to lessons**

Homework Graded Assignments

- **Complete data analysis project and worksheet related to classwork.**

Objectives and Validation

- Objective: Group 1: Students will solve problems related to simple probability
Measure: teacher observation, classwork related to lessons, and unit test,
- Objective: Group 2: Students will use coordinate geometry to calculate the distance between two points, find the slope of a line, and write the equation of a line.
Measure: Homework, classwork and unit test.
- Objective: Group 3: Students will be able to calculate surface area and volume of pyramids, cylinders, cones, and spheres.
Measure: Homework, classwork, and unit test

Mini-Lesson Topics

Set Notation
The Meaning of Probability
Sample Space
Coordinate Geometry
Distance between two points
Slope of a straight line
Equation of a straight line
Cones
Spheres
Cylinders

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