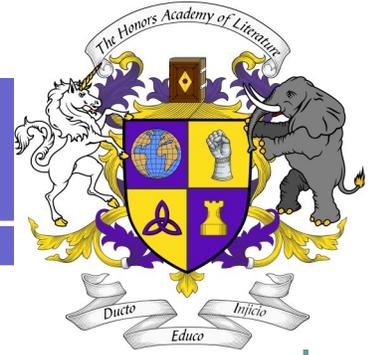


APRIL 14—APRIL 21

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.7.SP.C.8

Find probabilities of compound events using organized lists, tables, tree diagrams, and simulation.

CCSS.MATH.CONTENT.8.F.A.1

Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.¹

CCSS.MATH.CONTENT.8.F.A.2

Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions). *For example, given a linear function represented by a table of values and a linear function represented by an algebraic expression, determine which function has the greater rate of change.*

Objectives and Validation

- Objective: Group 1: Students will solve problems related to the probability of compound events, both mutually exclusive and independent.
Measure: teacher observation, classwork related to lessons, and unit test,
- Objective: Group 2: Students will solve problems involving functions and will write algebraic formulas to represent functions.
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: Review section and unit test

In-class Graded Assignments

- Classwork related to lessons

Homework Graded Assignments

- Complete data analysis project and worksheet related to classwork.

Mini-Lesson Topics

Review of probability and combined events

Mutually exclusive events

Independent events

Further probabilities

Functions

CRT prep

Test-taking strategies

Cones

Spheres

Cylinders

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