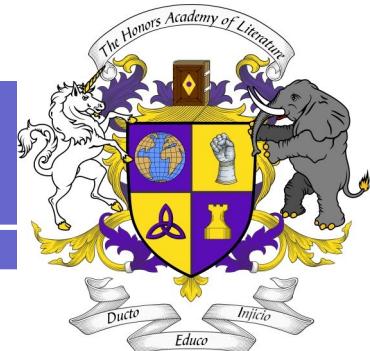


MS. AUDREY- MATH

HONORS ACADEMY OF LITERATURE



Common Core State Standards

CCSS.MATH.CONTENT.7.G.B.5

Use facts about supplementary, complementary, vertical, and adjacent angles in a multi-step problem to write and solve simple equations for an unknown angle in a figure.

CCSS.MATH.CONTENT.7.G.A.2

Draw (freehand, with ruler and protractor, and with technology) geometric shapes with given conditions. Focus on constructing triangles from three measures of angles or sides, noticing when the conditions determine a unique triangle, more than one triangle, or no triangle.

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).

CCSS.MATH.CONTENT.8.F.A.3

Interpret the equation $y = mx + b$ as defining a linear function, whose graph is a straight line; give examples of functions that are not linear

In-class Graded Assignments

- Classwork related to lessons

Homework Graded Assignments

- No homework—have a nice break!

Objectives and Validation

- Objective: Group 1: Students will understand the meaning of points, lines, planes, etc, will be able to solve problems involving complementary and supplementary angles, and will be able to accurately draw angle bisectors, perpendicular bisectors, and triangles, given certain conditions.

Measure: classwork, homework, and unit test,

- Objective: Group 2: Students will understand the meaning of a function, and will be able to represent linear and quadratic functions graphically.

Measure: Homework, classwork and unit test.

- Objective: Group 3: Students will continue exploring geometry concepts through independent study with teacher assistance.

Measure: teacher observation.

Mini-Lesson Topics

Linear Functions

Graphs of quadratic functions

Points, lines, and planes

Angles

Mathcounts video projects

Perpendicular bisectors and angle bisectors

triangles

quadrilaterals

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