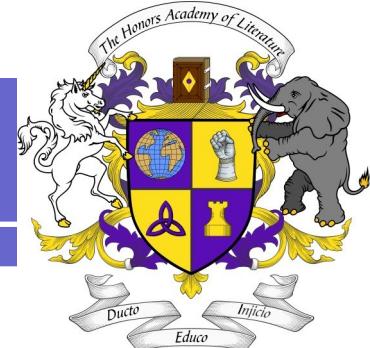


JUNE 2—JUNE 6

MS. AUDREY- MATH

HONORS ACADEMY OF LITERATURE



Common Core State Standards

CCSS.MATH.CONTENT.HSG.C.B.5

Derive using similarity the fact that the length of the arc intercepted by an angle is proportional to the radius, and define the radian measure of the angle as the constant of proportionality; derive the formula for the area of a sector.

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.7.EE.B.4

Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities

CCSS.MATH.CONTENT.8.G.A.5

Use informal arguments to establish facts about the angle sum and exterior angle of triangles, about the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles. *For example, arrange three copies of the same triangle so that the sum of the*

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 percentage and decimals
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 examine angle patterns related to parallel lines and transversals.
Measure: classwork, homework, and unit test
- Objective: Trig Group: Students will design a new unit looking at trigonometric concepts such as radians and unit circles.
Measure: student-created trig unit worksheets and assessment project

Mini-Lesson Topics

Computer programming
Meaning of percentage
Reverse percentages
Percentage increase and decrease
Discount and sales tax
Metric system review
Solving simple inequalities
Student-created Trig unit
Angles formed by parallel lines and transversals

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