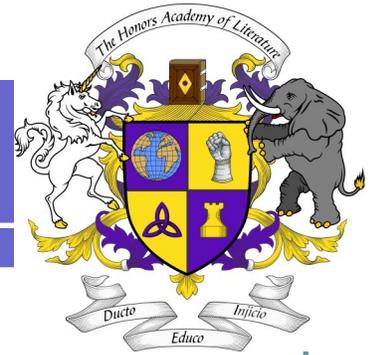


MAY 26—MAY 30

# 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.8.SP.A.1

Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities. Describe patterns such as clustering, outliers, positive or negative association, linear association, and nonlinear association

### 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.

## 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 will be able to analyze bivariate data.  
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

### In-class Graded Assignments

- **Classwork related to lessons**

### Homework Graded Assignments

- **Complete homework menu and worksheet related to classwork.**

### Mini-Lesson Topics

Computer programming
Meaning of percentage
Reverse percentages
Percentage increase and decrease
Discount and sales tax
Organizing data in Frequency tables
Bar graphs and histograms
Student-created Trig unit
Line graphs and scatter plots

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