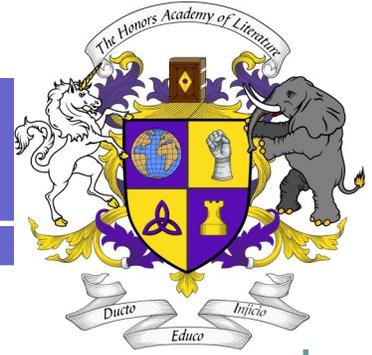


MARCH 16—MARCH 20

# MS. AUDREY— MATH



HONORS ACADEMY OF LITERATURE

## Common Core State Standards

### CCSS.MATH.CONTENT.7.G.B.4

Know the formulas for the area and circumference of a circle and use them to solve problems; give an informal derivation of the relationship between the circumference and area of a circle.

### CCSS.MATH.CONTENT.7.G.B.6

Solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms.

### 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.8.SP.A.2

Know that straight lines are widely used to model relationships between two quantitative variables. For scatter plots that suggest a linear association, informally fit a straight line, and informally assess the model fit by judging the closeness of the data points to the line.

### In-class Graded Assignments

- **Classwork related to lessons**

### Homework Graded Assignments

- **Heartbeats**

## Objectives and Validation

- Objective: Group 1: They will begin to be able to calculate the perimeter and area of a square, rectangle, triangle, circle, and parallelogram, as well as composite figures.  
Measure: classwork, homework, unit test.
- Objective: Group 2: Students will be able to analyze bivariate data using frequency tables, bar graphs, histograms, line graphs, and scatter plots.  
Measure: Classwork, Homework.
- Objective: Group 3: Students will be able to analyze, describe, and graph quadratic functions.  
Measure: teacher observation and classwork.

### T.8.G.B.6

### Mini-Lesson Topics

VT.8 Perimeters and areas of composite figures

Organizing Data in Frequency Tables

Perimeters and areas of a square, a rectangle, and a triangle

Bar Graphs and Histograms

Line Graphs and Scatter Plots

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