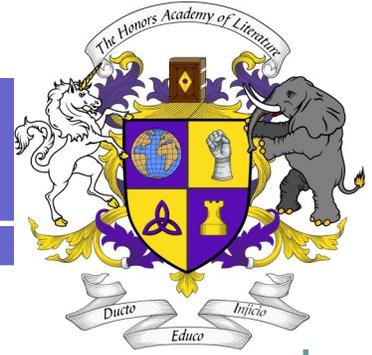


FEBRUARY 9—FEBRUARY 13

# MS. AUDREY— MATH



HONORS ACADEMY OF LITERATURE

## Common Core State Standards

### 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.B.7

Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions.

### CCSS.MATH.CONTENT.8.G.B.8

Apply the Pythagorean Theorem to find the distance between two points in a coordinate system.

### 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

- **Group 1—Pascal's Triangle**
- **Group 2—Analyzing Linear Functions**

## Objectives and Validation

- Objective: Group 1: Students will be able to decode simple number patterns and write a formula for the general term of a sequence.  
Measure: classwork,
- Objective: Group 1 : Students will be able to solve simple linear equations in one variable.  
Measure: Classwork, Homework.
- Objective: Group 2: Students will be able to find the distance between two points based on the Pythagorean theorem, and will be able to analyze the equation of a line, including slope and y-intercept.  
Measure: Homework, classwork and unit test.
- Objective: Group 3: Students will be able to analyze, describe, and graph quadratic functions.  
Measure: teacher observation and classwork.

### T.8 Mini-Lesson Topics

### VT.8

Number Patterns
Simple linear equations in one variable
Equations involving parentheses
Distance between two points
Mathcounts video projects
Slope of a straight line
Equation of a straight line
Quadratic functions

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