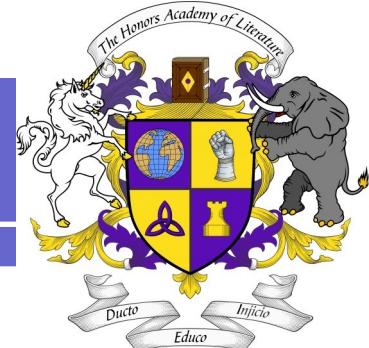


MARCH 10—MARCH 14

# MS. AUDREY- MATH

HONORS ACADEMY OF LITERATURE



## Common Core State Standards

CCSS.Math.Content.8.G.C.9 Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.

CCSS.Math.Content.7.SP.A.1 Understand that statistics can be used to gain information about a population by examining a sample of the population; generalizations about a population from a sample are valid only if the sample is representative of that population. Understand that random sampling tends to produce representative samples and support valid inferences.

CCSS.Math.Content.7.SP.A.2 Use data from a random sample to draw inferences about a population with an unknown characteristic of interest. Generate multiple samples (or simulated samples) of the same size to gauge the variation in estimates or predictions. *For example, estimate the mean word length in a book by randomly sampling words from the book; predict the winner of a school election based on randomly sampled survey data. Gauge how far off the estimate or prediction might be.*

CCSS.Math.Content.7.SP.B.4 Use measures of center and measures of variability for numerical data from random samples to draw informal comparative inferences about two populations. *For example, decide whether the words in a chapter of a seventh-grade science book are generally longer than the words in a chapter of a fourth-grade science book.*

### In-class Graded Assignments

- **Classwork related to lessons**

### Homework Graded Assignments

- **Complete 3 choices from homework menu**

## Objectives and Validation

- Objective: Group 1: Students will understand how to gather data and interpret dot plots, and will be able to calculate mean, median, and mode.  
Measure: teacher observation and classwork related to lessons
- Objective: Group 2: Students will understand and be able to use formulas for the volume of pyramids, cylinders, cones, and spheres.  
Measure: Homework and classwork.

### Mini-Lesson Topics

Collection of Data

Dot Plots

Measure of center: mean

Measure of center: median

Mode

Pyramids

Cylinders

Cones

Spheres

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