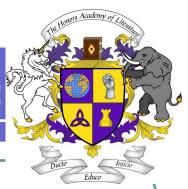
# MS. CHRIS- MATH AND SCIENCE



#### **HONORS ACADEMY OF LITERATURE**

## **Common Core State Standards**

- Mathematical Practice Standards:
  - 1. Make sense of problems and persevere in solving them
  - 2. Reason abstractly and quantitatively
  - 3. Construct viable arguments
  - 4. Model with Mathematics
  - 5. Use appropriate tools strategically
  - 6. Attend to precision
  - 7. Look for and make use of structure
  - 8. Look for and express regularity in repeated reasoning

#### Operations and Algebraic Thinking:

CCSS.Math.Content.1.G.A.1

Distinguish between defining attributes (e.g., triangles are closed and three-sided) versus non-defining attributes (e.g., color, orientation, overall size); build and draw shapes to possess defining attributes.

• CCSS.Math.Content.1.G.A.2

Compose two-dimensional shapes (rectangles, squares, trapezoids, triangles, half-circles, and quarter-circles) or three-dimensional shapes (cubes, right rectangular prisms, right circular cones, and right circular cylinders) to create a composite shape, and compose new shapes from the composite shape.

• CCSS.Math.Content.2.G.A.1

Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces.1 Identify triangles, quadrilaterals, pentagons, hexagons, and cubes

Science: Engineering Design:

K-2-ETS1-1 Ask Questions, make observations, gather information

K-2-ETS1-2 Develop a simple sketch, drawing, or physical model

K-2-ETS1-3: Analyze Data from test of two objects

1.PS4-1: Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.

# **Objectives and Validation**

Objective: Students will be able to identify shapes and their attributes

Measure: Student work in math journal

• Objective: Students will be able to discuss their thinking and how they arrived at an answer during Mental Math Strategy time.

Measure: Students are discussing and listening to their peers for possible math strategies.

• Objective: Students will be able to describe how sound is made.

Measure: Student completed science journal

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

In-class Graded Assignments:

Daily Journal entries

Small group assignments

Homework Graded Assignments:

Math Daily Homework Sheet

### **Mini-Lesson Topics**

Geometry

Shape Attributes

Math Problem Solving

Sounds