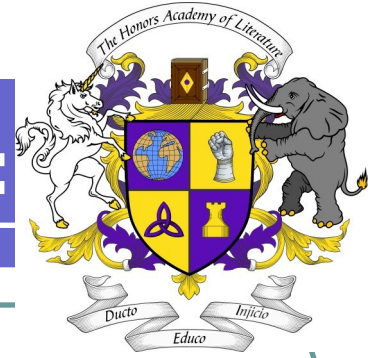


MS. CHRIS— MATH AND SCIENCE



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.PS4-2: Make observations to construct an evidence-based account that objects can be seen only when illuminated.

In-class Graded Assignments:

Daily Journal entries

Small group assignments

Homework Graded Assignments :

Math Daily Homework Sheet

Mini-Lesson Topics

Geometry
Quilt arrays
Math Problem Solving
Light

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 artificial and natural light.
Measure: Student completed science journal

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