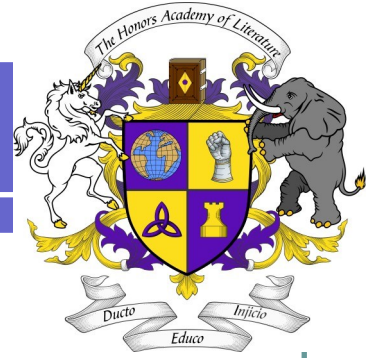# MS. CHRIS– MATH AND LITERATURE ELECTIVE

HONORS ACADEMY OF LITERATURE

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

Common Core Math Standards:
◊ 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.

◊ 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.

Objectives and Validation

Objective: Students will be able to sort shapes by defining attributes

Measurement: Students will be able to sort, describe, and explain shapes by defining attributes using appropriate math vocabulary

Objective: Students will be able to build and draw shapes.

Measurement: Students will be able to build and draw shapes to possess defining attributes and create new shapes.

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

In-class Graded Assignments:

Math Journal

Class Participation

Homework:

Shapes with 6 Triangles

Literature:

Greedy Triangle

The Shape of Things
Grandfather Tang's Story

Mini Lessons:

Probability

Shape attributes

Vocabulary:

Angles, faces

Triangles, quadrilaterals, pentagons, hexagons, cube,

Square, rectangles, composite shapes