Curriculum Map

Course Title: Math **Grade:** 5th

Unit (Name/Number): Geometry	**Pacing:** Refer to RCC Pacing Guide (Unit 5 by end of April)
Essential Question(s): How do you graph points on the coordinate plane to solve real world and mathematical problems? How do you classify two-dimensional figures into categories based on their properties?	

Content/Key Concepts (Eligible Content)	**Standards**	**Key Vocabulary**	**Learning Activities/Resources**	**Evidence of Learning** (Assessments; Performance Tasks)
GRAPH POINTS IN THE FIRST QUADRANT ON THE COORDINATE PLANE AND INTERPRET THESE POINTS WHEN SOLVING REAL WORLD AND MATHEMATICAL PROBLEMS. **M05.C-G.1.1.1 Identify parts of the coordinate plane (x-axis, y-axis, and the origin) and the ordered pair (x-coordinate and y-coordinate). Limit the coordinate plane to quadrant I.** **M05.C-G.1.1.2 Represent real-world and mathematical problems by plotting points in quadrant I of the coordinate plane and interpret coordinate values of points in the context of the situation.**	**Common Core** 5.G.3, 5.G.4 **PA Core Standards** CC.2.3.5.A.2	● coordinate grid (coordinate plane) ● x-axis ● y-axis ● origin ● ordered pair ● x-coordinate ● y-coordinate	Lesson 28: Understand the Coordinate Plane (**S/A**) Sample Assessment Questions SAS Materials/Resources Calculator use at teacher discretion Lesson 29: Graph Points in the Coordinate Plane (**S/A**) Sample Assessment Questions SAS Materials/Resources Calculator use at teacher discretion	**Assessment Options:** RCC Quizzes RCC Interim Assessment SAS Assessment Builder **Required Assessment:** RCC Unit 5 Assessment **Extension Activity:** RCC Math in Action **Math Practice Standards** **Understand the Coordinate Plane**-2, 5, 6, 8 **Graph Points in the Coordinate Plane**-1, 2, 3, 4, 5, 6
CLASSIFY TWO-DIMENSIONAL FIGURES INTO CATEGORIES BASED ON AN UNDERSTANDING OF THEIR PROPERTIES. **M05.C-G.2.1.1 Classify two-dimensional figures in a hierarchy based on properties.** Example 1: All polygons have at least three sides, and pentagons are polygons, so all pentagons have at	**Common Core** 5.G.1, 5.G.2, 5.OA.3 **PA Core Standards** CC.2.3.5.A.1, CC.2.2.5.A.4	● hierarchy ● generalization ● classify ● attribute ● parallel ● perpendicular ● polygon ● quadrilateral ● pentagon ● hexagon	Lesson 30: Classify Two-Dimensional Figures (**S/A**) Lesson 31: Understand Properties of Two-Dimensional Figures (**S/A**) Sample Assessment Questions SAS Materials/Resources Calculator use at teacher discretion	**Classify Two-Dimensional Figures**-1, 2, 4, 5, 6 **Understand Properties of Two-Dimensional Figures**-1, 2, 4, 5, 6, 7

least three sides. Example 2: A rectangle is a parallelogram, which is a quadrilateral, which is a polygon; so, a rectangle can be classified as a parallelogram, as a quadrilateral, and as a polygon.		● octagon ● equilateral triangle ● isosceles triangle ● scalene triangle ● right triangle ● acute triangle ● obtuse triangle ● parallelogram ● trapezoid ● rectangle ● rhombus ● square ● vertex		

M = lessons that have a **major emphasis** in the Common Core Standards
S/A = lessons that have **supporting/additional** emphasis in the Common Core Standards

Math Practice Standards:

1- Make sense of problems and persevere in solving them
2- Reason abstractly and quantitatively
3- Construct viable arguments and critique the reasoning of others
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