Grade 5 Mathematics – Unit 6: Two-Dimensional Figures Phoenixville Area School District

	Stage 1 Desired Results	5		
PA Core Standards:	Transfer			
CC.2.3.5.A.2 - Classify two- dimensional figures into categories based on an understanding of their properties.	TRANSFER GOALS Students will be able to independently use their learning to • Mathematical Vocabulary: Interpret mathematical vocabulary and apply proper terminology to engage in meaningful oral and written expression that communicates mathematical thinking, problem-solving methods, and rationale.			
		Meaning		
PSSA Assessment Anchors: M05.C-G.2.1 - Use basic properties to classify two- dimensional figures.	 UNDERSTANDINGS Students will understand that Mathematics is a language of carefully defined terms and symbols. A shape's characteristics (dimensionality, side measures, angle measures, faces, edges, area, perimeter, and volume) are used for identification. Points, lines, and planes are the building blocks of geometry. 	 SENTIAL QUESTIONS udents will keep considering What is the appropriate degree of precision for this particular data and solution? How are geometric shapes and objects measured/classified/compare? How can we use attributes and properties to solve problems? 		
	Knowledge and	Skills Acquisition		
	 KNOWLEDGE Students will know Polygons are 2D figures that can be classified based on their properties. 2D figures can have multiple classifications based on a hierarchy of specificity. 2D figures are identified based on the attributes of their sides and their angle measures. 	 SKILLS Students will be skilled at Identifying polygons based on their properties (number of sides, pairs of parallel sides, angle size) in multiple-choice, or open-ended format. Classifying polygons using a hierarchy of names, and determining the most specific name for a figure in an open-ended format, or when filling in a hierarchy chart. 		

 Parallel lines are lines that are equidistant from each other at all points. Triangles are classified by their sides AND angles. 	 Identifying how many pairs of parallel sides are included on a figure in order to classify that figure. Classifying triangles with a side-based name as well as an angle-based name. 				
VOCABULARY • Hierarchy • Polygon • Properties • Classify • Parallelogram • Quadrilateral					
Stage 2 – Evidence					

	Stage Z - Evidence				
Code A/M/T	Evaluative Criteria	Assessment Evidence			
A/M/T Acquisition Meaning Making Transfer	What criteria will be used in each assessment to evaluate attainment of the desired results?	PERFORMANCE TASK(S) Students will demonstrate understanding (meaning-making and transfer) through complex performance by Math In Focus Performance Task Identify polygons based on properties Pages 143-145 in student edition Sorting Shapes Performance Task Students identify and sort 2D figures based on attributes such as parallel sides and lines of symmetry. Goal: Your task is to recognize, draw, sort, and classify 2D figures. Success Criteria: You will be graded based on the attached rubric.	Differentiation Considerations: [Work on this section after completing Stages 1-2 of all units]		
A/M/T Acquisition	All necessary work is shown with no missing information/skipped steps.	OTHER EVIDENCE Polygon Hierarchy Fill-In Chart • Open-Ended	Differentiation Considerations: [Work on this section after		

Meaning Making	Uses mathematics vocabulary and	 Unit Test – See Chapter 8 MIF Test Multiple Choice Short Answer Open-Ended Response 	completing Stages 1-2 of all units]
Transfer	notation concisely and correctly.		
		 Canvas Math in Focus Chapter 8 Test – Shared to Commons Search "Math in Focus: 5th Grade Chapter 8 Test 2020-2021" 	