Geometry – Unit 5: Quadrilaterals Phoenixville Area School District

Phoenixville Area School District							
Stage 1 Desired Results							
PA Core Standards:	Tran	Transfer					
CC.2.3.HS.A.13 Analyze	TRANSFER GOALS						
relationships between two-	Students will be able to independently use their learning to						
dimensional and three-dimensional	 Problem-Solving: Persistently apply various problem-solving strategies and 						
objects.	organized approaches to accurately understand and solve problems and provide evidence to support response.						
CC.2.3.HS.A.14 Apply geometric	Mathematical Vocabulary: Interpret mathematical vocabulary and apply proper						
concepts to model and solve real-	terminology to engage in meaningful oral and written expression that communicates						
world problems.	mathematical thinking, problem-solving methods, and rationale.						
	Reasoning: Demonstrate mathematical resilience and conceptual understanding						
	through the use of vocabulary, written expression, graphical representation, and						
	alternate strategies.						
	Magning						
	Meaning FOOTANDINGS						
	UNDERSTANDINGS	ESSENTIAL QUESTIONS					
	Students will understand that	Students will keep considering					
	One-, two-, and three-dimensional his at a graph and allowified and discontinuous.	What are the mathematical attributes					
	objects are described, classified, and	of objects or processes and how are					
	analyzed by their critical attributes.	they measured or calculated?					
	The accurate measurement of space	How are spatial relationships,					
	is determined by the ability to	including shape and dimension, used					
	visualize the object/problem situation	to draw, construct, model and					
	and apply an appropriate algorithm.	represent real situations or solve problems?					
		hionigilis;					

How do the tools of geometry such as definitions, theorems, and

to spatially visualize and logically deduce conclusions?

properties foster an increasing ability

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	Knowledge and Skills Acquisition			
	KNOWLEDGE	SKILLS		
	Students will know	Students will be skilled at		
	 How to find and use the sum of the measures of the interior and exterior angles of a polygon Recognize and apply properties of quadrilaterals 	 Identifying and using the properties of quadrilaterals as shown on a graphic organizer. Applying the properties of interior and exterior angles of a polygon through one-step and multi-step 		
	VOCABULARY	open-ended response questions.		
	Midsegment			
	Parallelogram			
	Trapezoid			
	Kite			
	Diagonal			
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Stage 2 – Evidence				
Code Evaluativa Critaria	Accessment Fridance			

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Code A/M/T	Evaluative Criteria	Assessment Evidence				
N/A	N/A	PERFORMANCE TASK(S) Students will demonstrate understanding (meaning making and transfer) through nplex performance by	Differentiation Considerations:			
		N/A				
Acquisition Meaning	Uses mathematics vocabulary and notation concisely and correctly. Chooses effective	OTHER EVIDENCE Unit Test	Differentiation Considerations:			
Making Transfer	strategy/strategies for solving the problem. Proves the approach was valid and solution correct through examples/counterexamples. All representations are clear and labeled accurately. Solution is clearly identified; appropriate units are provided.	 Multiple Choice True/False Open-Ended Response Two-Column Proof 				