Grade K Mathematics – Unit 2: Size and Shape

Phoenixville Area School District

	Stage 1 Desired Results						
PA Core Standards:	Transfer						
CC.2.4.K.A.1 Describe and compare attributes of length, area, weight, and capacity of everyday objects. CC.2.4.K.A.4 Classify objects and count the number of objects in each category.	 TRANSFER GOALS Students will be able to independently use their learning to Number Sense: Develop a sound foundation to demonstrate the value of numbers by describing their various representations, relationships, and patterns. Problem-Solving: Persistently apply various problem-solving strategies and organized approaches to accurately understand and solve problems 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						
	UNDERSTANDINGS	ESSENTIAL QUESTIONS					
	Students will understand that	Students will keep considering					
	 Mathematics is used to make informed decisions about problems in everyday life. Organizing/interpreting data helps us make inferences and draw conclusions. 	 How is mathematics used to quantify and compare situations, events and phenomena? Have I represented the relationships between the quantities appropriately? How can models and graphs be used to share and understand information? 					
	Knowledge and Skills Acquisition						
	KNOWLEDGE	SKILLS					
	Students will	Students will be skilled at					
	 Pair up sets of objects 	Using attributes to pair up sets of objects.					

		 Order objects by <i>size</i> (big/bigger/biggest, middle-sized, small/smaller/smallest), <i>length</i> (tall/taller/tallest, short/shorter/shortest, long/longer/longest), and <i>weight</i> (heavy/heavier/heaviest, light/lighter/lightest) Use comparing words Use language such as before or after to describe relative position in a sequence of events Use nonstandard units to measure and compare lengths VOCABULARY Size Same Different 	 Identifying objects Comparing objects Using nonstandard compare lengths. 	0
Code A/M/T	Evaluative Criteria	Stage 2 – Evidence		
M	What criteria will be used in each assessment to evaluate attainment of the desired results?	 PERFORMANCE TASK(S) Students will demonstrate understanding (meaning-making all complex performance by Performance Task A: Describe and compare attributes of lecapacity. Students will create a garden Goal: Your task is to create a garden that has a fruit solighter than a watermelon, a fruit heavier than a grape a blueberry. You need to water the garden with a full buck if each fruit picked (banana of 3 unifix cubes, grape of 1 unifix cubes and watermelon of 5 unifix cube) can fit in the unifix cubes (using a ten-frame.) Role: You are a gardener. Audience: Homeowner 	ngth, area, weight, and shorter than a banana, a fruit nd a fruit taller than a ket of water. You need to see unifix cube, blueberry of 1	Differentiation Considerations: IEP/ 504 plans Small group instruction One-on-one conferring Vocabulary Posters Individual goal setting Audio and visual supports Various questioning strategies

	 Situation: You are a gardener. You need to plant an item in each of the numbered sections of the garden. In box 2, you need to draw a fruit shorter than a banana. In box 4, you need to draw a fruit lighter than a watermelon. In box 6 you need to draw a fruit heavier than a grape. In box 8 you need to draw a fruit taller than a blueberry. You need to color the water bucket to show it is filled completely. You need to count the sections that your bucket is filled accordingly. Product: Your garden will have 8 sections, each one with a different fruit. Success Criteria: Your garden must include: a fruit shorter than a grape in box 6 and a fruit taller than a blueberry in box 8. You need to cover the 8 sections of the garden. You need to correctly count the number of sections in your fruit garden. You need to color the water bucket completely. You will indicate that all the fruit picked can fit into the container. 	Strategic partnering Extra Practice Enrichment Space for movement and breaks Additional time as needed Review directions Restate information Flexible Math Groups
What criteria will be used in each assessment to evaluate attainment of the desired results?	OTHER EVIDENCE	Differentiation Considerations: IEP/ 504 plans Small group instruction One-on-one conferring Vocabulary Posters Individual goal setting Audio and visual supports Various questioning strategies Strategic partnering Flexible Math Groups Extra Practice Enrichment Space for movement and breaks Additional time as needed Review directions Restate information