Grade 3 Mathematics – Unit 8: Metric Measurement

Phoenixville Area School District

Stage 1 Desired Results			
PA Core Standards:	Transfer		
CC.2.4.3.A.1Solve	TRANSFER GOALS		
problems involving	Students will be able to independently use their learning to		
measurement and	Develop a sound foundation to demonstrate the value of numbers by describing their various		
estimation of	representations, relationships, and patterns.		
temperature, liquid	 Persistently apply various problem-solving strategies and organized approaches to accurately understand and solve problems. 		
volume, mass, and			
length.	 Interpret mathematical vocabulary and apply proper terminology to engage in meaningful oral and written expression that communicates mathematical thinking, problem-solving methods, and rationale. 		
PSSA Assessment Anchors:	Meaning		
M03.D-M.1 Solve	UNDERSTANDINGS Students will understand that	ESSENTIAL QUESTIONS	
problems involving		Students will keep considering	
measurement and	 Numerical quantities, units, and measurements can be exchanged/converted 	 How can different units within a given measurement system be used to represent 	
estimation of intervals of	using appropriate calculations.	the same quantity?	
time, money, liquid		the same quantity!	
volumes, masses, and	Knowledge and Skills Acquisition		
lengths of objects.	KNOWLEDGE	SKILLS	
M03.D-M.1.2 Use the	Students will know	Students will be skilled at	
attributes of liquid	Centimeters, meters and kilometers are	Measuring lines to the nearest centimeter in	
volume, mass, and	used to measure length	selected response questions.	
length of objects.	Grams and kilograms are used to measure	 Reading various pictures of calibrated 	
	mass/weight	scales to the nearest gram or kilogram	
	Liters and milliliters are used to measure	verbally and in selected response	
	volume	questions.	
	The relationship between metric units for	Reading various pictures of measuring	
	length, mass and volume	cups to the nearest liter or milliliter verbally and in selected response questions.	

		 Estimate distances, masses or volumes using the most appropriate unit VOCABULARY Centimeters / Meters / Kilometers Gram / Kilogram Liter / Milliliter Volume Capacity 	 Converting metric units to find equivalent units in selected response, open-ended and performance-based tasks. Estimating distances, masses or volumes using the most appropriate unit verbally and in selected and open-ended responses.
		Stage 2 – Evidence	
Code A/M/T	Evaluative Criteria	Assessment Evidence	
A/M/T Acquisition	What criteria will be used in each assessment	PERFORMANCE TASK(S) No Performance Task for this Unit.	Differentiation Considerations:
Meaning Making Transfer	to evaluate attainment of the desired results?		
A/M/T Acquisition Meaning Making Transfer	What criteria will be used in each assessment to evaluate attainment of the desired results?	 OTHER EVIDENCE District Created Measurement Test (chapter 8) Teacher Observation Teacher created quizzes Small Group Work 	Differentiation Considerations: Small Group reteaching Enrichment/Challenge opportunities