

Grade 1 Mathematics – Unit 4: Measurement

Phoenixville Area School District

Stage 1 Desired Results		
	<i>Transfer</i>	
<p>PA Core Standards: CC.2.4.1.A.1 Order lengths and measure them both indirectly and by repeating length units.</p> <p>CC.2.4.1.A.2 Tell and write time to the nearest half hour using both analog and digital clocks.</p> <p>CC.2.4.2.A.3 Solve problems and make change using coins and paper currency with appropriate symbols. (Second grade standard)</p> <p>PSSA Assessment Anchors: [Add anchors]</p>	<p>TRANSFER GOALS <i>Students will be able to independently use their learning to...</i></p> <ul style="list-style-type: none"> • 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. 	
	<i>Meaning</i>	
	<p>UNDERSTANDINGS <i>Students will understand that...</i></p> <ul style="list-style-type: none"> • Numerical quantities, units, and measurements can be exchanged/converted using appropriate calculations. • Organizing/interpreting data helps us make inferences and draw conclusions. • Mathematical operations can be modeled through a variety of representations. 	<p>ESSENTIAL QUESTIONS <i>Students will keep considering...</i></p> <ul style="list-style-type: none"> • How can different units within a given measurement system be used to represent the same quantity? • How do we use data to make decisions? •

Knowledge and Skills Acquisition

KNOWLEDGE

Students will know...

- Length
- Weight.
- Time
- Money

VOCABULARY

- Start line
- length
- Units
- O'clock
- Half past
- Penny
- Nickle
- Dime
- Quarter

SKILLS

Students will be skilled at...

- To compare 2 lengths using the terms tall/taller, long/longer, short/shorter.
- To compare 2 lengths by comparing each with a 3rd length.
- To compare more than 2 lengths using the terms tallest, longest and shortest.
- Comparing objects using a common start point
- Measure objects using non-standard units
- Measure the same object using different non-standard units.
- To arrange objects according to their weights.
- Use the term unit when writing the weight of an object.
- Use the term o'clock to tell time to the hour
- Read and show time to the hour on an analog and digital clock
- Use the term half past to show time to the half hour.
- Read and show time to the half hour on an analog and digital clock.
- Relate time to daily activities.
- Identifying the name of and value of coins when shown a picture of either the front or back of a coin.

Stage 2 – Evidence

Code A/M/T	Evaluative Criteria	Assessment Evidence	
A/	<i>What criteria will be used in each assessment to evaluate attainment of the desired results?</i>	Unit 4 Test Part 1: Length & Weight Combination of multiple choice and fill in the blank questions. <ul style="list-style-type: none"> • Measure length and weight of objects using nonstandard units • Compare lengths of objects • Compare weight of two or more objects 	Differentiation Considerations: [Work on this section after completing Stages 1-2 of all units]
A/M	<i>What criteria will be used in each assessment to evaluate attainment of the desired results?</i>	Unit 4 Test Part 2: Calendar & Time Combination of multiple choice and fill in the blank questions. <ul style="list-style-type: none"> • Write/tell/show time to the hour and half-past • Identify days of the week, months of the year, and seasons • Putting events in order • Identifying a specific date on a calendar • Reading a calendar to answer questions based on specific calendar 	Differentiation Considerations: [Work on this section after completing Stages 1-2 of all units]
A/M		Unit 4 Test Part 3: Money Combination of multiple choice and fill in the blank questions. <ul style="list-style-type: none"> • Identify coin based on picture of front and back of coin • Identify value of coin • Adding coins to identify amount in cents up to a dollar • Identify same amount using different combinations of coins • Solve word problems using money 	