

**Content Standard A2
Fifth Grade Level
Measurement**

State Mathematics Performance Standards 3 rd -5 th	KGBSD Performance Standards	State Grade Level Expectations (GLE's)
<p>M2.2.1 Estimate and measure weights, lengths, and temperatures to the nearest unit using the metric and standard systems.</p> <p>M2.2.2 Identify and use equivalent measurements (e.g., 60 minutes = 1 hour, 7 days = 1 week).</p> <p>M2.2.3 Use a variety of measuring tools; describe the attribute(s) they measure.</p> <p>M2.2.4 Estimate and measure the dimensions of geometric figures.</p>	<p>1.1 Estimate and measure lengths of common objects using metric and standard scales to the nearest one-fourth inch or centimeter</p> <p>1.2 Estimate temperature to plus or minus 5 degrees (Celsius and Fahrenheit) and estimate weight to the nearest half-pound and/or kilogram</p> <p>2.1 Identify and use equivalent measures appropriate for the situation (e.g., weight/mass (16 oz. = 1 pound or 1000 grams = 1 kilogram) and length (1000 millimeters = 1 meter) or time)</p> <p>3.1 Use a variety of tools for measuring distance, temperature, weight, and volume. Describe the attributes they measure</p> <p>4.1 Use a variety of measuring tools and describe the attributes they have (e.g., rulers measure length thermometers measure temperature)</p>	<p><u>Measurement: Measurable Attributes</u> The student demonstrates understanding of measurable attributes by</p> <p>[5] MEA-1 [estimating length to the nearest one-fourth inch or centimeter L] (M2.2.1)</p> <p>[5] MEA-2 estimating temperature (degree Celsius or Fahrenheit, plus or minus 5 degrees) or weight (half-pounds or kilograms) to the nearest unit (M2.2.1)</p> <p>[5] MEA-3 identifying or using equivalent measures for weight/mass (16 oz. = 1 pound or 1000 grams = 1 kilogram) and length (1000 millimeters =1 meter) or time (M2.2.2)</p> <p><u>Measurement: Measurement Techniques</u> The student demonstrates ability to use measurement techniques by</p> <p>[5] MEA-4 [measuring temperature or weight using appropriate tools L] (M2.2.1 & M2.2.3)</p> <p>[5] MEA-5 telling time using analog clocks to the nearest minute and using A.M. or P.M. (M2.2.5)</p> <p>[5] MEA-6 determining possible combinations of coins and bills to given amounts (M2.2.6)</p> <p>[5] MEA-7 [simulating multiple purchases and calculating the amount of change from given bills up to \$100.00 L] (M2.2.6)</p> <p>[5] MEA-8 measuring length to the nearest 1/4 inch or centimeter (M2.2.1)</p>

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<p>M2.2.5 tell time using analog and digital clocks identifying AM and PM; find elapsed time.</p> <p>M2.2.6 Read, write, and use money notation, determining possible combinations of coins and bills to equal given amounts; count back change for any given situation.</p>	<p>5.1 Find elapsed time</p> <p>6.1 Count back change to \$100.00</p> <p>6.2 Calculate multiple purchases and the amount of change from given bills up to \$100.00</p>	