

**Content Standard A2
Eighth Grade Level
Measurement**

A student will understand mathematical facts, concepts, principles, and theories. They select and use appropriate systems, units, tools of measurement including estimation.

State Mathematics Performance Standards 6 th -8 th	KGBSD Performance Standards	State Grade Level Expectations (GLE's)
<p>M2.3.1 Estimate and measure various dimensions to a specified degree of accuracy.</p> <p>M2.3.2 Estimate and convert measurements within the same system.</p> <p>M2.3.3 Use a variety of methods and tools to construct and compare plane figures.</p> <p>M2.3.4 Describe and apply the relationships between dimensions of geometric figures to solve problems using indirect measurement; describe and apply the concepts of rate and scale.</p> <p>M2.3.5 Apply information about time zones and elapsed time to solve problems.</p>	<p>1.1 Estimate and measure lengths of various objects using metric and standard scales</p> <p>2.1 Estimate and convert measurements of distance mass and volume in the same system</p> <p>3.1 Use geometric tools to explore the properties of polygons and to construct and compare plane figures</p> <p>4.1 Describe and apply the relationships between dimensions of geometric figures to solve problems using indirect measurement; describe and apply the concepts of rate and scale</p> <p>5.1 Apply information about time zones and elapsed time to solve problems</p>	<p><u>Measurement: Measurable Attributes</u> The student demonstrates understanding of measurable attributes by</p> <p>[8] MEA-1 <u>converting</u> measurements within the same system (English or metric) (M2.3.2)</p> <p><u>Measurement: Measurement Techniques</u> The student demonstrates ability to use measurement techniques by</p> <p>[8] MEA-2 using scale drawings involving indirect measurement (determining the scale factor and applying it to find missing dimension) (M2.3.4)</p> <p>[8] MEA-3 [modeling the conversion within the same system L] (M2.3.2)</p>