

**Content Standard A6
Third Grade Level
Statistics/Probability**

State Mathematics Performance Standards 3 rd -5 th	KGBSD Student Objectives	Grade Level Expectations GLE's
<p>M6.2.1 Collect, organize, and display data creating a variety of visual displays including tables, charts, and line graphs.</p> <p>M6.2.2 Present the data using a variety of appropriate representations and explain the meaning of the data.</p> <p>M6.2.3 Describe and interpret a data set using mean, median, mode, and range.</p> <p>M6.2.4 Estimate whether a game is mathematically fair or unfair; analyze and present probability data using simple fractions.</p> <p>M6.2.5 Conduct simple probability experiments using concrete materials. And represent the results using fractions and probability.</p>	<p>1.1 Read, construct, and interpret tables, charts, and line graphs from environment relevant to students</p> <p>2.1 Use data and information from a table, charts and graph to solve problems (tallies, tables, pictograph, bar graphs or venn diagrams)</p> <p>3.1 State the range of a data set, use manipulatives to model “mean”</p> <p>3.2 Compare data using terms “maximum” or “minimum”</p> <p>4.1 Create a game that could be more likely (3/4 of the choices), less likely (1/4 of the choices), or equally likely (1/2 of the choices) of an event to occur</p> <p>5.1 Conduct a simple probability experiment using concrete materials, record, graph, and analyze results</p>	<p><u>Statistics and Probability: Data Display</u> The student demonstrates an ability to classify and organize data by</p> <p>[3] S&P-1 [designing an investigation and collecting, recording L], organizing, displaying, or explaining the classification of data in real-world problems (e.g., literature, self, or family), using bar graphs, and [Venn diagrams L] (M6.1.1, M6.1.2, & M6.1.5)</p> <p><u>Statistics and Probability: Analysis and Central Tendency</u> The student demonstrates an ability to analyze data (comparing, explaining, interpreting, or justifying conclusions) by</p> <p>[3] S&P-2 using information from a variety of displays (tallies, tables, pictographs, bar graphs, or [Venn diagrams L] (M6.1.2)</p> <p>[3] S&P-3 using the terms “maximum” or “minimum” (M6.1.3)</p> <p><u>Statistics and Probability: Probability</u> The student demonstrates a conceptual understanding of probability by</p> <p>[3] S&P-4 [explaining the differences between chance and certainty or recognizing events that may be certain or chance events L] (M6.1.4)</p> <p>[3] S&P-5 [finding and recording L] and making predictions about the likelihood of outcomes of a simple probability experiment (e.g., spinner, tossing a coin) (M6.1.4)</p>