

Third Grade State Performance Standards

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| B1 – Concepts of Physical Science | <p>SB Students develop an understanding of the concepts, models, theories, universal principles, and facts that explain the physical world.</p> <p>SB1 Students develop an understanding of the characteristic properties of matter and the relationship of these properties to their structure and behavior.</p> <p>SB2 Students develop an understanding that energy appears in different forms, can be transformed from one form to another, can be transferred or moved from one place or system to another, may be unavailable for use, and is ultimately conserved.</p> <p>SB3 Students develop an understanding of the interactions between matter and energy, including physical, chemical, and nuclear changes, and the effects of these interactions on physical systems.</p> <p>SB4 Students develop an understanding of motions, forces, their characteristics and relationships, and natural forces and their effects.</p> |
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| Grade Level Expectations | KGBSD Student Objectives |
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| <p>The student demonstrates an understanding of the structure and properties of matter by:</p> <p>3 SB1.1 classifying matter according to physical properties (i.e., color, size, shape, weight, texture, flexibility).</p> <p>The Student demonstrates an understanding of how energy can be transformed, transferred, and conserved by:</p> <p>{3} SB2.1 classifying materials as insulators or conductors (i.e., fur, metal, wood, plastic) and identifying their applications.</p> <p>The student demonstrates an understanding of the interactions between matter and energy and the effects of these interactions on systems by:</p> <p>{3} SB3.1 recognizing that temperature changes cause changes in phases of substances (e.g., ice changing to liquid, water changing to water vapor, and vice versa).</p> | <p>K – SB1.1 classifying matter according to physical properties (i.e., color, size, shape, weight, texture, flexibility liquid, solid, gas). (ex.:evaporation experiments rocks and minerals).</p> <p>K - SB2.1 classifying materials as insulators or conductors and identifying their applications. (i.e., fur, metal, wood, plastic).</p> <p>K – SB2.2 identifying and investigating a number of materials that are conductors and insulators.</p> <p>K – SB2.3 understanding and constructing open, closed, parallel, and series circuits. (L)</p> <p>K - SB3.1 recognizing that temperature changes cause changes in phases of substances (e.g., ice changing to liquid, water changing to water vapor, and vice versa). e.g., air and weather FOSS second grade.</p> |
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| <p>The student demonstrates an understanding of motions, forces, their characteristics, relationships, and effects by:</p> <p>{3} SB41 recognizing that objects can be moved without being touched (e.g., using magnets, falling objects, static electricity).</p> | <p>K - SB41 recognizing that objects can be moved without being touched (e.g., using magnets, falling objects, static electricity).</p> <p>K – SB4.2 demonstrating how a magnet can attract and repel without actually touching an object.</p> <p>K – SB4.3 generating static electricity and observe its effects on objects.</p> <p>K – SB4.4 identifying and investigate a number of materials that are conductors and insulators.</p> <p>K – SB4.5 creating electromagnets of varying strengths. (L)</p> |
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