

Fourth Grade State Performance Standards

E-1 Science and Technology	<p>SE Students develop an understanding of the relationships among science, technology, and society.</p> <p>SE1 Students develop an understanding of how scientific knowledge and technology are used in making decisions about issues, innovations, and responses to problems and everyday events.</p> <p>SE2 Students develop an understanding that solving problems involves different ways of thinking, perspectives, and curiosity that lead to the exploration of multiple paths that are analyzed using scientific, technological, and social merits.</p> <p>SE3 Students develop an understanding of how scientific discoveries and technological innovations affect and are affected by our lives and cultures.</p>
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Grade Level Expectations	KGBSD Student Objectives
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<p>The student demonstrates an understanding of how to integrate scientific knowledge and technology to address problems by:</p> <p>[4] SE1.1 recognizing that tools (e.g., spear, hammer, hand lens, kayak, computer) and processes (e.g., drying fish, sewing, photography) are an important part of human cultures.</p> <p>The student demonstrates an understanding that solving problems involves different ways of thinking, perspectives, and curiosity by:</p> <p>[4] SE2.1 identifying the function of a variety of tools (e.g., spear, hammer, hand lens, kayak, computer).</p> <p>[4] SE2.2 identifying multiple explanations (e.g., oral traditions, folklore, scientific theory) of everyday events (e.g., weather, seasonal changes). (L)</p>	<p>K - SE1.1 recognizing that tools and processes are an important part of human cultures. (e.g., JOM and Alaska Studies)</p> <p>K - identifying the function of a variety of tools. (e.g., spear, hammer, hand lens, kayak, computer)</p> <p>K - SE2.2 identifying multiple explanations. (e.g., oral traditions, folklore, scientific theory) of everyday events) (e.g., weather, seasonal changes) (L)</p> <p>K – SE2.3 using technology to investigate multiple ways to solve a problem.</p>
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Grade Level Expectations	KGBSD Student Objectives
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<p>The student demonstrates an understanding of how scientific discoveries and technological innovations affect our lives and society by:</p> <p>[4] SE3.1 listing the positive and negative effects of a <u>scientific</u> discovery.</p>	<p>K - SE3.1 listing the positive and negative effects of a <u>scientific</u> discovery.</p> <p>K – SE3.2 discussing how science is not separate from society, but rather science is a part of society.</p> <p>K – SE3.3 identifying ways in which humans can affect the availability of clean water through pollution, sewage, treatment, and conservation. (ex. water)</p>
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