

First Grade SEEd standards Crosswalk



Utah School District
"Success for Every Student"

SEEd Standards Crosswalk First Grade

This crosswalk compares the old Utah science core standards to the SEEd standards as well as the NGSS.

- The NGSS is provided in order to make lesson plan searches via search engines easier.
- The title of the middle column is a link to the SEEd standards document for reference.
- Blue text indicates new material for this grade level.
- Text highlighted in yellow indicates material that was previously in this grade level but is now found in a different grade level.

Old Utah Science Core Standards	SEEd Standards	NGSS
1-2-2: Observe and describe the changes and appearance of the sun and moon during daylight.	1.1.1	1-ESS1-1: Use observations of the sun, moon, and stars to describe patterns that can be predicted.
1-2-3: Compare and contrast seasonal weather changes.	1.1.2	1-ESS1-2: Make observations at different times of year to relate the amount of daylight to the time of year.
<i>Engineering a design solution is not currently discussed in the K-2 Utah Science Standards</i>	1.1.3	<i>Designing a solution/tool using the sun's patterns is not discussed in the K-2 NGSS</i>
2-4-2: Identify basic needs of living things (plants and animals) and their abilities to meet their needs.	1.2.1	2-LS2-1: Plan and conduct an investigation to determine if plants need sunlight and water to grow.
1-4-2: Living things change and depend upon their environment to satisfy their basic needs.	1.2.2	<i>Features of living things supporting organisms in their environment is not discussed in the K-2 NGSS</i>
1-4-1: Communicate observations about the	1.2.3	1-LS3-1: Make observations to construct an

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similarities and differences between offspring and between populations		evidence-based account that young plants and animals are like, but not exactly like, their parents.
2-4-1: Tell how external features affect an animals' ability to survive in its environment.	1.2.4	1-LS1-2: Read text and use media to determine patterns in behavior of parents and offspring that help offspring survive.
<i>Light, sound, and waves are not currently discussed in the K-2 Utah Science Standards</i>	1.3.1	1-PS4-1: Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.
<i>Light, sound, and waves are not currently discussed in the K-2 Utah Science Standards</i>	1.3.2	1-PS4-2: Make observations to construct an evidence-based account that objects can be seen only when illuminated.
<i>Light, sound, and waves are not currently discussed in the K-2 Utah Science Standards</i>	1.3.3	1-PS4-3: Plan and conduct an investigation to determine the effect of placing objects made with different materials in the path of a beam of light. Include language about shadows.
<i>Light, sound, and waves are not currently discussed in the K-2 Utah Science Standards</i>	1.3.4	1-PS4-4: Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over a distance.
1-2-1: Investigate the natural world including rock, soil and water.	Changes in natural world are found in SEEd 2nd Grade (2.1.3)	2-ESS2-2: Develop a model to represent the shapes and kinds of land and bodies of water in an area. 2-ESS2-3: Obtain information to identify where water is found on Earth and that it can be solid or liquid.
1-3-1: Analyze changes in the movement of non-living things.	Movement of non-living things is found in SEEd Kindergarten (K.3.1)	K-PS2-1: Plan and conduct an investigation to compare the effects of different strengths or different directions of

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		pushes and pulls on the motion of an object.
1-3-2: Analyze objects and record their properties.	Properties of objects are found in SEEd 2nd Grade (2.3.1)	2-PS1-1: Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
Shifts in the way the SEEd standards are written dispersed the following old Utah core standards into several new standards.		
Old Utah Science Core Standards	SEEd Standards	NGSS
1-1-1: Generating Evidence: Using the processes of scientific investigation 1-1-2: Communicating Science: Communicating effectively using science language and reasoning 1-1-3: Knowing in Science: Understanding the nature of science	<i>Nature of Science is part of the Science/Engineering Practices and Crosscutting Concepts found in <u>every</u> Utah SEEd Standard</i>	<i>Nature of Science is part of the Science/Engineering Practices and Crosscutting Concepts found in every NGSS Standard</i>
Shifts in the way the SEEd standards are written brought engineering design principles into the SEEd standards below.		
Old Utah Science Core Standards	SEEd Standards	NGSS
<i>Engineering a design solution is not currently discussed in the K-2 Utah Science Standards</i>	<i>Engineering is integrated into content standards for a stronger application use by students.</i> <i>The following 1st Grade SEEd standards incorporate engineering</i>	K-2-ETS1-1: Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool. K-2-ETS1-2: Develop a simple sketch, drawing or physical model to illustrate how the shape of an object helps it

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	<i>design principles into their wording:</i>	function as needed to solve a given problem.
	1.1.3	K-2-ETS1-3: Analyze data from tests of two objects
	1.3.4	designed to solve the same problem to compare the strengths and weaknesses of how each performs.