Second Grade SEEd Standards Crosswalk

Uintah School District
"Success for Every Student"

SEEd Standards Crosswalk Second 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
1-2-1: Investigate the natural world including rock, soil and water	2.1.1	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.
2-2-1: Describe the characteristics of different rocks.	2.1.2	2-ESS1-1: Use information from several sources to provide evidence that Earth events can occur quickly or slowly.
Engineering a design solution is not currently discussed in the K-2 Utah Science Standards	2.1.3	2-ESS2-1: Compare multiple solutions designed to slow or prevent wind or water from changing the shape of land.
1-4-2: Living things change and depend upon their	2.2.1	*Patterns in climate and resources in habitats is not discussed*

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environment to satisfy their basic needs.		*in the K-2 NGSS*
2-4-1: Tell how external features affect an animals' ability to survive in its environment.	2.2.2	2-LS4-1: Make observations of plants and animals to compare the diversity of life in different habitats.
Pollination and seed dispersal are not currently discussed in the K-2 Utah Science Standards	2.2.3	2-LS2-2: Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.
K-4-2: Describe the parts of living things.	2.2.4	1-LS1-1: Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs.
Properties and function of materials are not currently discussed in the K-2 Utah Science Standards	2.3.2	2-PS1-2: Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.
K-3-2: Describe parts of non-living things.	2.3.3	2-PS1-3: Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object.
2-3-2: Compare and contrast the differences in how different materials respond to change.	2.3.4	2-PS1-4: Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.
2-2-2: Observe and record recognizable objects and patterns in the night sky.	Earth, Sun, Moon interactions are found in SEEd 1st Grade (1.1.1)	1-ESS1-1: Use observations of the sun, moon, and stars to describe patterns that can be predicted.
2-4-2: Identify basic needs of living things (plants and animals) and their abilities to meet their needs.	Needs of living things are found in SEEd 1st Grade (1.2.1)	2-LS2-1: Plan and conduct an investigation to determine if plants need sunlight and water to grow.
2-2-3: Observe, describe, and measure seasonal weather patterns and local variations.	Weather patterns are found in SEEd 1st Grade (1.1.2)	1-ESS1-2: Make observations at different times of the year related to the amount of daylight to the time of year.
2-3-1: Communicate observations about falling	Forces on objects are found in	K-PS2-1: Plan and conduct an investigation to compare the

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objects.	SEEd Kindergarten (K.3.1)	effects of different strengths or different directions of pushes and pulls on the motion of an object.
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
2-1-1: Generating Evidence: Using the processes of scientific investigation 2-1-2: Communicating Science: Communicating effectively using science language and reasoning 2-1-3: Knowing in Science: Understanding the nature of science	*Nature of Science is part of the Science/Engineering Practices and Crosscutting Concepts found in every Utah SEEd Standard*	*Nature of Science is part of the Science/Engineering Practices and Crosscutting Concepts found in every NGSS Standard*
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
Engineering a design solution is not currently discussed in the K-2 Utah Science Standards	*Engineering is integrated into content standards for a stronger application use by students.* *The following 2nd Grade SEEd standards incorporate engineering design principles into their wording:*	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 function as needed to solve a given problem. K-2-ETS1-3: Analyze data from tests of two objects designed to solve the same problem to compare the strengths and

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	2.1.3 2.2.4	weaknesses of how each performs.