


1st Grade Science Curriculum Map

Unit of Study	The sequence of Units of Study provides a coherent flow to science instruction throughout the year.
Interconnections Lessons	Specific lessons, listed in order of which Essential Question they correspond to, are listed in the map to help plan your pacing of material.
Science Content/Language Objectives	The Science Content and Language Objectives are to be posted for each lesson, restated to students during the lesson, and revisited at the end of each lesson. These are written as “I Can” statements.
Key Concepts for Differentiation 	<p>In an effort to assist teachers in the process of differentiation in Tier I teaching, Key Concepts have been identified in the curriculum maps as those specific objectives a teacher would focus on during small group instruction with struggling students.</p> <p>Key concepts cover minimum, basic skills and knowledge every student must master. Key Concepts are <u>not</u> an alternative to teaching the entire Utah Core Standards, rather they emphasize which concepts to prioritize for differentiation.</p>
Vocabulary	Use in word walls, or in science notebooks and graphic organizers.
Additional Resources/Notes	Teachers are encouraged to make notes or jot down resources they find useful for each unit.
Assessment	Each Interconnection lesson has an assessment, but you may also look at more general options such as Exit slips, graphic organizers, class discussion, homework

Unit of Study 1	1 st Grade	Quarter 1 & 2		Science Mar 2013 ed.
Concepts:		Skills:		
Cycles, patterns, compare/contrast, change over time		Observe, compare, describe, identify, classify		
Standards:				
<p>Standard II: Students will gain an understanding of Earth and Space Science through the study of earth materials, celestial movement, and weather. Objective 1: Investigate the natural world including rock, soil and water. Objective 3: Compare and contrast seasonal weather changes.</p> <p>Standard IV: Students will gain an understanding of Life Science through the study of changes in organisms over time and the nature of living things. Objective 1: Communicate observations about the similarities between offspring and between populations.</p>				
Science Content Objectives		Vocabulary students should use		Lessons
<p>🔑 I can investigate the natural world including rock, soil and water.</p> <p>🔑 I can compare and contrast seasonal weather changes.</p> <ul style="list-style-type: none"> I can communicate observations about the similarities between offspring and between populations. 		<ul style="list-style-type: none"> populations similarities differences clay compare contrast 	<ul style="list-style-type: none"> data evidence silt similarity soil sort texture 	<p>Quarter 1 <u>Essential Question #1</u></p> <ul style="list-style-type: none"> People, Same & Different <p><u>Essential Question #2</u></p> <ul style="list-style-type: none"> Water* Living Things Circle* <p><u>Essential Question #3</u></p> <ul style="list-style-type: none"> Earth's Water* <p>Quarter 2 <u>Essential Question #3 cont.</u></p> <ul style="list-style-type: none"> Season Quilt* Types of Weather* Rocks All Around Us* What is Soil?* <p><i>*Key concepts are covered in these lessons.</i></p> <p>Additional Resources:</p>
Science Language Objectives				
<ul style="list-style-type: none"> Ask and answer questions about key details in a science text. Identify major events in a science story. Ask and answer questions about unknown science words in a text. Describe the connection between pieces of information in a science text. Identify similarities and differences between images/texts on the same science topic. Write informative texts in which they name a topic and supply facts. Focus on a topic and respond to questions. Participate in shared research projects. Participate in collaborative discussions. Describe things with relevant details. Add drawings to descriptions to clarify ideas. 				
<p>Assessment Options: Interconnections lessons-each lesson has an assessment General: projects, drawings, class discussions, graphic organizers</p>				

Unit of Study 2	1 st Grade	Quarter 3 & 4	Science Mar 2013 ed.
Concepts:		Skills:	
Cycles, patterns, compare/contrast		Observe, compare, describe, identify, classify	
Standards:			
<p>Standard II: Students will gain an understanding of Earth and Space Science through the study of earth materials, celestial movements, and weather. Objective 2: Observe and describe the changes and appearance of the sun and moon during daylight.</p> <p>Standard III: Students will gain an understanding of Physical Science through the study of the forces of motion and the properties of materials. Objective 1: Analyze changes in the movement of non-living things. Objective 2: Analyze objects and record their properties.</p> <p>Standard IV: Students will gain an understanding of Life Science through the study of changes in organisms over time and the nature of living things. Objective 2: Living things change and depend upon their environment to satisfy their basic needs.</p>			
Science Content Objectives	Vocabulary students should use		Lessons
<p>🔑 I can observe and describe the changes and appearance of the sun and moon during daylight.</p> <ul style="list-style-type: none"> I can analyze changes in the movement of non-living things. <p>🔑 I can analyze objects and record their properties.</p> <p>🔑 I can describe how things change and depend upon their environment to satisfy their basic needs.</p>	<ul style="list-style-type: none"> identify record shadow motion zigzag bar graph observe describe sort predict classify 	<ul style="list-style-type: none"> solid liquid dissolve matter property mix life cycle offspring need environment investigate 	<p>Quarter 3</p> <p><u>Essential Question #1</u></p> <ul style="list-style-type: none"> Exploring What is in the Sky* <p><u>Essential Question #2</u></p> <ul style="list-style-type: none"> Exploring Pumpkins* Plant Cycle: Grass Man* Exploring the Life Cycles of Frogs and Butterflies* <p>Quarter 4</p> <p><u>Essential Question #3</u></p> <ul style="list-style-type: none"> Exploring Matter* Exploring How Objects Move Sorting Objects <p><i>*Key concepts covered in these lessons.</i></p> <p>Additional Resources:</p>
Science Language Objectives			
<ul style="list-style-type: none"> Ask and answer questions about key details in a science text. Identify major events in a science story. Ask and answer questions about unknown science words in a text. Describe the connection between pieces of information in a science text. Identify similarities and differences between images/texts on the same science topic. Write informative texts in which they name a topic and supply facts. Focus on a topic and respond to questions. Participate in shared research projects. Participate in collaborative discussions. Describe things with relevant details. Add drawings to descriptions to clarify ideas. 			
<p>Assessment Options: Interconnections lessons-each lesson has an assessment General: projects, drawings, class discussions, graphic organizers</p>			