






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 makes 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	Second Grade	Quarter 1	Science Mar 2013 ed.
Concepts:		Skills:	
Compare/contrast, change over time		Observe, measure	
Standards:			
<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.</p> <p>Objective 1: Tell how external features affect an animals' ability to survive in its environment.</p> <p>Objective 2: Identify basic needs of living things (plants and animals) and their abilities to meet their needs.</p>			
Science Concept Objectives	Vocabulary students should use	Lessons	
<ul style="list-style-type: none"> I can tell how external features affect an animal's ability to survive in its environment.  I can name basic needs of living things (plants and animals) and their abilities to meet their needs. 	<ul style="list-style-type: none"> characteristics environments habitats justify compare contrast extinct desert ocean rainforest 	<ul style="list-style-type: none"> physical characteristics behaviors reaction environment seasonal temperature precipitation migration hibernation dormancy 	<p>Unit 1: Essential Question 3</p> <ul style="list-style-type: none"> Living Things & Animal Habitats Animal Adaptations: Hibernate & Migrate* Plant Adaptations* <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 such as who, what, where, when, why and how to demonstrate understanding of science details in a text. Describe the connection between scientific ideas or concepts or steps in procedures. Explain how images contribute to and clarify a text. Write narratives or short sequence of events. Participate in collaborative conversations about science topics and texts. Produce complete sentences when appropriate to a science task. 			
<p>Assessment Options: Interconnection Lessons-each lesson has an assessment</p> <p>General: Exit slips, graphic organizer, class discussion, review game, quiz, projects</p>			

Unit of Study 2A	Second Grade	Quarter 2		Science Jan 21013 ed.
Concepts:		Skills:		
Compare/contrast, change over time		Observe, measure		
Standards:				
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: Communicate observations about falling objects.				
Objective 2: Compare and contrast the differences in how different materials respond to change.				
Science Concept Objectives		Vocabulary students should use		Lessons
<ul style="list-style-type: none"> I can communicate observations about falling objects.  I can compare and contrast the differences in how different materials respond to change. 		<ul style="list-style-type: none"> analyze characteristics communicate conclusions data demonstrate identify interpret investigate 	<ul style="list-style-type: none"> mass matter motion observations physical prevent properties various weightlessness 	Unit 2A: Essential Question 1 <ul style="list-style-type: none"> Falling Objects Physical Changes* Disappearing Salt* <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 as who, what, where, when, why and how to demonstrate understanding of science details in a text. Describe the connection between scientific ideas or concepts or steps in procedures. Explain how images contribute to and clarify a text. Write narratives or short sequence of events. Participate in collaborative conversations about science topics and texts. Produce complete sentences when appropriate to a science task. 				
Assessment Options: Interconnection Lessons-each lesson has an assessment				
General: Exit slips, graphic organizer, class discussion, review game, quiz, homework				

Unit of Study 2B	Second Grade	Quarter 3		Science Mar 2013 ed.
Concepts:		Skills:		
Compare/contrast, change over time		observe, investigate, communicate, compare and contrast, conclude		
Standards:				
Standard II: Students will gain an understanding of Earth and Space Science through the study of earth materials, celestial movement, and weather.				
Objective 1: Describe the characteristics of different rocks.				
Objective 2: Observe and record recognizable objects and patterns in the night sky.				
Science Concept Objectives		Vocabulary students should use		Lessons
<ul style="list-style-type: none"> I can describe the characteristics of different rocks.  I can observe and record recognizable objects and patterns in the night sky. 		<ul style="list-style-type: none"> arrangement conclusions constellations data layering location moon phases 	<ul style="list-style-type: none"> particle patterns properties seasonal texture variations weathering 	Unit 2B: Essential Question 2 <ul style="list-style-type: none"> Rockin' Rocks Weathering Navigating the Moon: Part 1* Navigating the Moon: Part 2* Stars in the Sky* <i>*Key Concepts covered in these lessons.</i> Additional Resources:
Science Language Objectives				
<ul style="list-style-type: none"> Ask and answer questions as who, what, where, when, why and how to demonstrate understanding of science details in a text. Describe the connection between scientific ideas or concepts or steps in procedures. Explain how images contribute to and clarify a text. Write narratives or short sequence of events. Participate in collaborative conversations about science topics and texts. Produce complete sentences when appropriate to a science task. 				
Assessment Options: Interconnection Lessons-each lesson has an assessment				
General: Exit slips, graphic organizer, class discussion, review game, quiz, homework				

Unit of Study 2C & 3	Second Grade	Quarter 4		Science Mar 2013 ed.
Concepts:		Skills:		
Compare/contrast, change over time		observe, investigate, communicate, compare and contrast, conclude		
Standards:				
Standard II: Students will gain an understanding of Earth and Space Science through the study of earth materials, celestial movement, and weather. Objective 3: Observe, describe, and measure seasonal weather patterns and local variations.				
Science Concept Objectives		Vocabulary students should use		Lessons
 I can observe, describe, and measure seasonal weather patterns and local variations.		<ul style="list-style-type: none"> • arrangement • conclusions • constellations • data • layering • location • moon phases 	<ul style="list-style-type: none"> • particle • patterns • properties • seasonal • texture • variations • weathering 	Unit 2: Essential Question 2 <ul style="list-style-type: none"> • Weather* • Weather Forecasting* • Temperature* Unit 3: Essential Question 3 <ul style="list-style-type: none"> • Navigating Habitats Around the World <i>*Key Concepts covered in these lessons.</i> Additional Resources:
Science Language Objectives				
<ul style="list-style-type: none"> • Ask and answer questions as who, what, where, when, why and how to demonstrate understanding of science details in a text. • Describe the connection between scientific ideas or concepts or steps in procedures. • Explain how images contribute to and clarify a text. • Write narratives or short sequence of events. • Participate in collaborative conversations about science topics and texts. • Produce complete sentences when appropriate to a science task. 				
Assessment Options: Interconnection Lessons-each lesson has an assessment General: Exit slips, graphic organizer, class discussion, review game, quiz, homework				