

# Curriculum Map

<b>Course Title:</b>	<b>Quarter:</b>	<b>Academic Year:</b>
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**Essential Questions for this Quarter:**

1.					
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Week 6 Week11	2.1.1	Abilities to do Scientific Inquiry	Students will ask questions and conduct investigations that will lead to observations and communication of findings.	Part 1 Test  Part 2 Test, 241a, 241 b	
Week 1,Part 1, Les.1, pp 174-177 Nature of Science, Week 4, Part 1, Les 4, pp 188-191 How do scientists find answers? Weeks 6, 7, 8, 9, Part 2, Les. 1, pp 204-219 What is technology? STEM Activity pp. 208-217 Week 10, Part 2, Les 2, pp 222-227 How do people design new things? Week 11, Part 2, Les 3, pp 228-233 How do we use tools and machines?	Sc.2.1.1a	Scientific Questioning	Ask questions that relate to a science topic	Less 1 Check 177b  Less Check 191b  Part 2, Les 1 Check 221b STEM results verified  Part 2, Les 2 Check 227b Part 2, Les 3 Check 233b	
Weeks 6, 7, 8, 9, Part 2, Les. 1, pp 204-219 What is technology? STEM Activity pp. 208-217 Week 11, Part 2, Les 3,	2.1.1.b	Scientific Investigations	Conduct simple investigations	Part 2, Les 1 Check 221b STEM results verified  Part 2, Les 3	

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pp 228-233 How do we use tools and machines?				Check 233b	
<p>Week 1, Part 1, Les.1, Nature of Science, pp 174-177</p> <p>Week 2, Part 1, Les. 2 What kinds of skills do scientists use? Pp 178-181</p> <p>Week 3, part 1, Les. 3 How do scientists use tools and stay safe? Pp 182-187</p> <p>Weeks 6, 7, 8, 9, Part 2, Les. 1, pp 204-219 What is technology? STEM Activity pp. 208-217</p> <p>Week 11, Part 2, Les 3, pp 228-233 How do we use tools and machines?</p>	2.1.1.c	Scientific Tools	Select and use simple tools appropriately	<p>Less 1 Check 177b</p> <p>Les Check 181b</p> <p>Les Check 187b</p> <p>Part 2, Les 1 Check 221b STEM results verified</p> <p>Part 2, Les 3 Check 233b</p>	
<p>Week 2, Part 1, Les. 2 What kinds of skills do scientists use? Pp 178-181</p> <p>Weeks 6, 7, 8, 9, Part 2, Les. 1, pp 204-219 What is technology?</p>	2.1.1.d	Scientific Observations	Describe objects, organisms, or events using pictures, words, and numbers	<p>Les Check 181b</p> <p>Part 2, Les 1 Check 221b STEM results</p>	

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STEM Activity pp. 208-217 Week 10, Part 2, Les 2, pp 222-227 How do people design new things? Week 11, Part 2, Les 3, pp 228-233 How do we use tools and machines?				verified  Part 2, Les 2 Check 227b  Part 2, Les 3 Check 233b	
Week 2, Part 1, Les. 2 What kinds of skills do scientists use? Pp 178-181 Week 4, Part 1, Les 4, pp 188-191 How do scientists find answers? Week 5, Part 1, Les 5, pp 192-203, How do scientists collect and share data? Weeks 6, 7, 8, 9, Part 2, Les. 1, pp 204-219 What is technology? STEM Activity pp. 208-217 Week 10, Part 2, Les 2, pp 222-227 How do people design new things?	2.1.1.e	Scientific Data Collection	Collect and record observations	Les Check 181 b  Less Check 191b  Les Check 195b  Part 2, Les 1 Check 221b STEM results verified  Part 2, Les 2 Check 227b  Part 2, Les 3	

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Week 11, Part 2, Les 3, pp 228-233 How do we use tools and machines?				Check 233b	
Week 4, Part 1, Les 4, pp 188-191 How do scientists find answers? Week 5, Part 1, Les 5, pp 192-203, How do scientists collect and share data? Weeks 6, 7, 8, 9, Part 2, Les. 1, pp 204-219 What is technology? STEM Activity pp. 208-217 Week 10, Part 2, Les 2, pp 222-227 How do people design new things? Week 11, Part 2, Les 3, pp 228-233 How do we use tools and machines?	2.1.1.f	Scientific Communication	Use drawings and words to describe and share observations with others	Less Check 191b  Les Check 195b  Part 2, Les 1 Check 221b STEM results verified  Part 2, Les 2 Check 227b  Part 2, Les 3 Check 233b	
Used in all lessons collecting and recording data	2.1.1.g	Mathematics	Use appropriate mathematics in all aspects of scientific inquiry.		
	SC 2	PHYSICAL	Students will integrate and		

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		SCIENCE	communicate the information, concepts, principles, processes, theories, and models of the Physical Sciences to make connections with the natural and engineered world.		
	2.1	Matter			
Chap 1, Les 1, pp 16-23, What are some properties of matter? Chap 1, Les 2, pp 24-29, What are solids, liquids, and gases? Chap 1, Les 3, pp 30-35, What are some ways matter can change?	2.2.1		Students will observe and describe properties of objects and their behavior.	Chap 1, Les 1 Check 23b  Chap 1, Les 2 Check 29 b  Chap, Les 3 Check 35b  Chap 1. Review 56-57 Chap 1, Test 57 a and b	
Chap 1, Les 1, pp 16-23, What are some properties of matter? Chap 1, Les 2, pp 24-29, What are solids, liquids, and gases?	2.2.1.a	Properties and Structure of Matter	Observe physical properties of objects (freezing and melting, sinking and floating, color, size, texture, shape, weight).	Chap 1, Les 1 Check 23b  Chap 1, Les 2 Check 29 b Chap 1, Les 4	

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Chap 1, Les 4, pp 36-39, How can water change? Chap 1, Les 5, pp 40-47, How can you combine materials?				check 39b  Chap 1, Les 5 check, pg 47b	
Chap 1, Les 1, pp 16-23, What are some properties of matter? Chap 1, Les 4, pp 36-39, How can water change?	2.2.1.b		Separate and sort objects by physical attributes	Chap 1, Les 1 Check 23b  Chap 1, Les 4 check 39b	
Chap 1, Les 4, pp 36-39, How can water change?	2.2.1.c		Measure objects using standard and non-standard units	Chap 1, Les 4 check 39b	
Chap 1, Les 2, pp 24-29, What are solids, liquids, and gases? Chap 1, Les 4, pp 36-39, How can water change?	2.2.1.d	States of Matter	Identify solids and liquids and recognize that liquids take the shape of their container.	Chap 1, Les 2 Check 29b  Chap 1, Les 4 check 39b	
	2.2	Force and Motion			
	2.2.2		Students will compare relative position and motion of objects.		

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	2.2.2.a	Motion	State location and/or motion relative to another object or its surroundings (in front of, behind, between, over, under, faster, slower, forward and backward, up and down).		
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	2.2.2.b		Describe how objects move in many different ways (straight, zigzag, round and round, back and forth, and fast and slow).		
	SC 3	LIFE SCIENCE	Students will integrate and communicate the information, concepts, principles, processes, theories, and models of the Life Sciences to make connections with the natural and engineered world.	Chapter 4 review Pp 112-113  Chapter 4 Test 113a, 113b	
	3.1.	Structure and Function of Living Systems			
	2.3.1	Students will investigate the characteristics of living things.			
	2.3.1.a	Characteristics of Life	Differentiate between living and nonliving things		
Chap 2, Les 1, pp 76-81, What are the parts of plants?	2.3.1.b	Characteristics of Living Organisms	Identify the basic needs of living things (food, water, air, space, shelter)	Chap 2, Les 1, Check 81b	
Chap 2, Les 1, pp 76-	2.3.1.c		Identify external parts of plants and	Chap 2, Les 1,	



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81, What are the parts of plants? Chap 2, Les 2, pp 82-87, What are some kinds of animals? Chap 3, Les 3, pp 88-93, What are some parts of animals?			animals	Check 81b  Chap 2, Les 2, Check pg 87b  Chap 2, Les 3, Check pg 93b	
Chap 2, Les 4, pp 94-99, Where do plants and animals live?	2.3.1.d		Observe and match plants and animals to their distinct habitats	Chap 2, Les 4 Check, pg 99b	
	3.2	Heredity			
	2.3.2		Students will recognize changes in living things.		
Chap 2, Les 2, pp 82-87, What are some kinds of animals?	2.3.2.a	Inherited Traits	Describe how offspring resemble their parents	Chap 2, Les 2, Check pg 87b	
Chap 2, Les 1, pp 76-81, What are the parts of plants?	2.3.2.b	Reproduction	Describe how living things change as they grow	Chap 2, Les 1, Check 81b	
	3.4	Biodiversity			
Chap 3, Les 3, pp 88-	2.3.4	Students will recognize		Chap 2, Les 3,	

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93, What are some parts of animals?		changes in organisms		Check pg 93b	
Chap 2, Les 1, pp 76-81, What are the parts of plants?	2.3.4.a	<b>Biological Adaptations</b>	Recognize seasonal changes in animals and plants	Chap 2, Les 1, Check 81b	
	SC4	EARTH AND SPACE SCIENCE	Students will integrate and communicate the information, concepts, principles, processes, theories, and models of Earth and Space Science to make connections with the natural and engineered world.		
	4.1.	Earth in Space			
	2.4.1		Students will observe and identify objects of the sky.		
	2.4.1.a		Objects in the Sky and Universe Identify objects in the sky (The Sun, the Moon, the stars) and when they are observable		

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	2.4.1.b	Motion of Objects in the Solar System	Identify objects that appear to move in the sky (the Sun, the Moon, stars)		
	4.2	Earth Structures and Processes			
	2.4.2		Students will observe, identify, and describe characteristics of Earth's materials.		
Chap 3, Les 1, pp132-137 What are some kinds of land and water?	2.4.2.a		Describe Earth materials (sand, soil, rocks, water)	Chap 3, Les 1 Check, pg 137b	
	2.4.2.b	Use of Earth Materials	Recognize ways in which individuals and families can conserve Earth's resources by reducing, reusing, and recycling		
	4.3.	Energy in Earth's Systems			
Chap 3, Les 2, pp138-143, What changes land?	2.4.3		Students will observe simple patterns of change on Earth.	Chap 3, Les 2 Check pg143b	
	2.4.3.a	Energy Sources	Observe that the Sun provides heat and		

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			light.		
	2.4.3.b	Weather and Climate	Observe and describe simple daily changes in weather		
	2.4.3.c		Describe simple seasonal weather indicators and how they impact student choices (activities, clothing)		

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