Katie Eischeid & Jane Lafleur Science Curriculum Map

Unit/Time	Standards/Strands	Indicator	Content	Expectations	Assessment	Resources
The Nature of Science The Design process 4th Quarter	**1.1Abilities to do Scientific Inquiry**	2.1.1 Students will ask questions and conduct investigations that lead to observations and communication of findings.				For our program, we use the following: *Interactive Science * Pearson Online Resources
	Scientific Questioning		Part 1 & Part 2: Part 1:Data, inquiry, investigate, measure, observe,record, safety, tool Part 2: Technology,	**2.1.1.a.** Ask questions that relate to a science topic	Lesson Checks Chapter Test	

			natural, goal, solution			
	Scientific Investigation		All Chapters	**2.1.1.b.** Conduct simple investigation	Lesson Checks Chapter Test	
	Scientific Tools			**2.1.1.c.** Select and use simple tools appropriately		
	Scientific Observations			**2.1.1.d.** Describe objects, organisms, or events using pictures, words, and numbers		
	Scientific Data Collection			**2.1.1.e.** Collect and record observations		
	Scientific Communication			**2.1.1.f.** Use drawings and words to describe and share observations with others		
	Mathematics			**2.1.1.g.** Use appropriate mathematics in all aspects of scientific inquiry		

	2.1. **Matter**	**2.2.1.** Students will observe and describe properties of objects and their behavior.	Chapter 1: Electricity, energy, heat, shadow, vibrate		Lesson Checks Chapter Test	
	Properties and Structure of Matter			**2.2.1.a.** Observe physical properties of objects (freezing and melting, sinking and floating, color, size, texture, shape, weight) **2.2.1.b.** Separate and sort objects by physical attributes **2.2.1.c.** Measure objects using standard and non-standard units		
	States of Matter			**2.2.1.d.** Identify solids and liquids and recognize that liquids take the shape of their container		
	2.2. **Force and Motion**	**2.2.2.** Students will compare relative position and motion of objects	Part 2 Stem Activity		Lesson Checks Chapter Test	

	Motion			**2.2.2.a.** 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) **2.2.2.b.** Describe how objects move in many different ways (straight, zigzag, round and round, back and forth, and fast and slow		
Life Science 1st Quarter	**3.1 Structure and Function of Living Systems**	2.3.1 Students will investigate the characteristics of living things.	Chapter 2: Backbone, root, stem, leaf, life cycle, seedling, nymph, parent, herd		Lesson Checks Chapter Test	

	Characteristics of Life			2.3.1.a Differentiate between living and nonliving things		
	Characteristics of Living Organisms			2.3.1.b. Identify the basic needs of living things (food, water, air, space, shelter)		
				2.3.1.c.		

				Identify external parts of plants and animals		
				2.3.1.d. Observe and match plants and animals to their distinct habitats		
	3.2. Heredity	2.3.2. Students will recognize changes in living things.	Chapter 2		Lesson Checks Chapter Test	
	Inherited Traits			2.3.2.a. Describe how offspring resemble their parents		
	Reproduction			2.3.2.b. Describe how living things change as they grow		
	3.4. Biodiversity	2.3.4 Students will recognize changes in organisms	Chapter 2		Lesson Checks Chapter Test	
	Biological Adaptations			2.3.4.a Recognize seasonal changes in animals and plants		
Earth and Space	**4.1. Earth in Space**	2.4.1. Students will observe and identify	Chapter 3		Lesson Checks	

Scie nces 3rd Quar ter		objects of the sky.	Sun, rotation, season		Chapter Test	
	Objects in the Sky and Universe			2.4.1.a. Identify objects in the sky (the Sun, the Moon, the stars) and when they are observable		
	Motion of Objects in the Solar System			2.4.1.b. Identify objects that appear to move in the sky (the Sun, the Moon, stars)		
	4.2. Earth Structures and Processes	2.4.2. Ve, identify, and describe characteristic s of Earth's materials.	Chapter 3		Lesson Checks Chapter Test	
	Properties of Earth Materials			2.4.2.a. Describe Earth Materials (sand,soil, rocks, water)		
	Use of Earth Materials			2.4.2.b. Recognize ways in which individuals and families can		

				conserve Earth's resources by reducing, reusing, and recycling		
	4.3. Energy in Earth's Systems	2.4.3. Students will observe simple patterns of change on Earth	Chapter 1		Lesson Checks Chapter Test	
	Energy Sources			2.4.3.a. Observe that the Sun provides heat and light		
	Weather and Climate			2.4.3.b. 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)		