Scope and Sequence
Science Grade 2

1st Quarter			
Resources:			
Week	**Unit/Lesson**	**Learning Objectives**	**Reporting Categories (TEKS)**
Week 1	Welcome , Getting to know you, Collect and log supplies received classroom rules		
Week 2	**Observing and Classifying Matter** Lesson 1 What Is Matter? Lesson 2 What Are Solids?	2.5 The student knows that matter has physical properties and those properties determine how it is described, classified, changed, and used.	**.2d,2.4a,2.4b,2.5a,2.7a,2.7b**
Week 3	Lesson 3 What Are Liquids? Lesson 4 What Are Gases?	The student is expected to: (A) classify matter by physical properties, including shape, relative mass, relative temperature, texture, flexibility, and whether material is a solid or liquid;	**2.4a,2.4b,2.7a,2.7b**
Week 4	Changes In Matter? Lesson 1 How Can Matter Change?	(B) compare changes in materials caused by heating and cooling;	**2.2,2.4,2.4b2.5a2.7a2.7b**
Week 5	Lesson 2 How Can Water Change ?	(C) demonstrate that things can be done to materials to change their physical properties	**2.4a,2.4b,2.7a,2.7b**
Week 6	Lesson 3 What Are Other Changes To Matter ?	such as cutting, folding, sanding, and melting;	**2d,2.4a,2.4b,2.5a,2.7a,2.7b,**

Week 7	Energy in Motion Lesson 1 What Is Energy?	(D) combine materials that when put together can do things that they cannot do by themselves such as building a tower or a bridge and justify the selection of those materials based on their physical properties.	**2.4a,2.4b,2.7a,2.7c**
Week 8	Lesson 2 What Is Light? Lesson 3 What Is Heat?	2.6 The student knows that forces cause change and energy exists in many forms. The student is expected to: investigate the effects on an object by increasing or decreasing amounts of light, heat, and sound energy such as how the color of an object appears different in dimmer light or how heat melts butter	**2.7a,2.7b,2.7c** **2.5a,2.5b,2.6a**
Week 9	**Scientific investigation and reasoning**	2.1 The student conducts classroom and outdoor investigations following home and school safety procedures. 2.2 The student develops abilities necessary to do scientific inquiry in classroom and outdoor investigations. 2.3 The student knows that information and critical thinking, scientific problem solving, and the contributions of scientists are used in making decisions.	2.2(C) 2.2(D 2.2(E 2.2(F 2.3(A) 2.3(B) 2.3(C)
2nd Quarter			

Resources:			
Week	**Unit/Lesson**	Learning Objectives	Reporting Categories (TEKS SEs)
Week 1	Sound Lesson 1 What Causes Sound?	2.6 The student knows that forces cause change and energy exists in many forms. The student is expected to:	**2.2b,2.3a,2.3b,2.7a**
Week 2	Lesson 2 How Does Sound Travel ?	(A) investigate the effects on an object by increasing or decreasing amounts of light, heat, and sound energy such as how the color of an object appears different in dimmer light or how heat melts butter.	**2.2b,2.3a,2.3b,2.4a,2.5a,,2.7a**
Week 3	Lesson 3 How Do We Make Different Sounds ?	(A) investigate the effects on an object by increasing or decreasing amounts of light, heat, and sound energy such as how the color of an object appears different in dimmer light or how heat melts butter.	**2.2b,2.3a,2.3b,2.7a**
Week 4	Motion Lesson 1 What Are Ways Things Move ?	(B) observe and identify how magnets are used in everyday life.	**2.6 Force, motion, and energy.** 2.2b,2.2d,2.4a,2.4a,2.7a,,2.7c
Week *5*	Lesson 2 What Makes Things Move ?	(B) observe and identify how magnets are used in everyday life. (C) trace the changes in the position of an object over time such as a cup rolling on the floor and a car rolling down a ramp.	**2.4A**

Week 6	Lesson 3 How Do Magnets Move Things ?	**2.6(B)* observe and identify how magnets are used in everyday life**	**2.4a,2.4b,2.7a,2.7c**
Week 7	Magnetic Force cont.	(C) trace the changes in the position of an object over time such as a cup rolling on the floor and a car rolling down a ramp.	**2.4a,2.4b,2.7a,2.7c**
Week 8	Movement and Force	(D) compare patterns of movement of objects such as sliding, rolling, and spinning.	**2.4a ,2.4b**
Week 9	Movement and force: Unit Assessment	(D) compare patterns of movement of objects such as sliding, rolling, and spinning.	**2.7a,2.7b**

3rd Quarter			
Resources:			
Week	**Unit/Lesson**	**Learning Objectives**	**Reporting Categories (TEKS SEs)**
Week 1	What Changes Earth's Surface?	2.7 The student knows that the natural world includes earth materials. The student is expected to:	2.1a,2.2a,2.2b,2.2c,2.2e,2.4a,2.5a,2.7a,2.9a, 2.9b
Week 2	What Are Rocks Sand And Soil?	(A) observe and describe rocks by size, texture, and color;	2.1a,2.1b,2.6a,2.10b
Week 3	What Can We Learn From Fossils?	(B) identify and compare the properties of natural sources of freshwater and saltwater;	2.2a,2.2c,2.2e,2.2f,2.3a,2.4a,2.5a,2.8b
Week 4	Natural Resources Lesson 1 How Can People Use Natural Resources ? Lesson 2 How Can People Harm Natural Resources?	(C) distinguish between natural and manmade resources	2.1b,2.2c,2.3a,2.9b 2.1b,2.3a,2.5a 2.1b,2.3a,2.3c,2.4da2.5a
Week 5	Lesson 3 How Can People Protect Natural Resources? Natural Resources Test What Is Weather ? Why Do We Measure Weather?	2.8 The student knows that there are recognizable patterns in the natural world and among objects in the sky. The student is expected to: (B) identify the importance of weather and seasonal information to make choices in clothing, activities, and transportation A) measure, record, and graph weather information, including temperature, wind conditions, precipitation, and cloud coverage, in order to identify patterns in the data;	 2.4a,2.7d
Week 6	Why Is It Important To Know The Weather ? What Is Water Cycle ?	(C) explore the processes in the water cycle, including evaporation, condensation, and precipitation, as connected to weather conditions	2.4a,2.7d 2.4a,2.6a,2.7b,2.10a

3rd Quarter			
Resources:			
Week	**Unit/Lesson**	**Learning Objectives**	**Reporting Categories (TEKS SEs)**
Week 7	**Topic Test** Solar System Lesson 1 What Are Stars And Planets?	**2.8 Earth and space. The student knows that there are recognizable patterns in the natural world and among objects in the sky.**	
Week 8	Lesson 2 What Causes Day And Night ?	**2.8(D)*observe, describe, and record patterns of objects in the sky, including the appearance of the Moon**	
Week 9	Why Does The Moon Seem To Change?	2,10A observe, describe, and record patterns of objects in the sky, including the appearance of the Moon.	2.4a,2.5a,2.5b,2.7d 2.4a,2.5a,2.7d

4th Quarter			
Resources:			
Week	**Unit/Lesson**	**Learning Objectives**	**Reporting Categories (TEKS SEs)**
Week 1	What Are Living And Non Living Things?	2.9 The student knows that living organisms have basic needs that must be met for them to survive within their environment. The student is expected to:	2.3a,2.4a,2.8a,2.8b
Week 2	What Do Animal Need? What Do Plants Need ?	(A) identify the basic needs of plants and animals.	2.2a,2.2c,2.2e,2.4a,2.5a,2.6a,2.6d,2.8a,2.9a, 2.4a,2.6a,2.6b,2.6c,2.9a
Week 3	What Are Mammals And Birds	2.10 The student knows that organisms resemble their parents and have structures	2.2a,2.2c,2.2e,2.4a,2.5a,2.6a,2.6d,2.8a,2.9a

4th Quarter			
Resources:			
Week	**Unit/Lesson**	**Learning Objectives**	**Reporting Categories (TEKS SEs)**
		and processes that help them survive within their environments. The student is expected to:	
Week 4	What Are Reptiles Amphibians And Fish ? What Are Parts Of The Plant?	(A) observe, record, and compare how the physical characteristics and behaviors of animals help them meet their basic needs such as fins help fish move and balance in the water.	2.2a,2.2c,2.2e,2.4a,2.5a,2.6a,2.6d,2.8a
Week 5	How Do Plants Differ ? What Are Some Plants Life Cycle ? Animals And Their Offspring Animals And Their Life Cycle	(B) observe, record, and compare how the physical characteristics of plants help them meet their basic needs such as stems carry water throughout the plant. (C)	2.2b,2.4a,2.5a,2.8a,2.9a
Week 6	What Is An Environment ?	2.9 The student knows that living organisms have basic needs that must be met for them to survive within their environment. The student is expected to:	2.1a,2.2a,2.2c,2.2d,2.2e,2.2f,2.8a,2.9b
Week 7	How Do Living Things Survive In Their Environment What Are Food Chain And Food Web **And Test**	(B) identify factors in the environment, including temperature and precipitation, that affect growth and behavior such as migration, hibernation, and dormancy of living things; and (C) compare and give examples of the ways living organisms depend on each other and on their environments such as food chains within a garden, park, beach, lake, and wooded area.	2.1b,2.2a,2.2b,2.2c ,2.2e,2.4a,2.5a,2.7a

4th Quarter			
Resources:			
Week	**Unit/Lesson**	**Learning Objectives**	**Reporting Categories (TEKS SEs)**
Week 8	**TESTING**		
Week 9	**Reflection on Learning/review Graduation Week**		