



1st Quarter (41 Days)

Resources: HSP Science

Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
1 st Week (Wednesday- Friday)	Living and Non- living things	TSW be able to tell whether an object is a living or a non- living thin	Living, oxygen, non- living	2.3a, 2.4a, 2.8a, 2.8b
2 nd Week (Monday-Friday)	What do animals need?	TSW compare structures that enable animals to live on land, water and air using different body parts	Survive, shelter	2.2a, 2.2c, 2.2e, 2.4a, 2.5a, 2.6a, 2.6d, 2.8a, 2.9a
3 rd Week (Monday-Friday)	What do plants need?	TSW be able to identify parts of a plant and how each part helps it meet its needs	Nutrients, soil, water, sunlight	2.4a, 2.6a, 2.6b, 2.6c, 2.9a
4 th Week (Monday-Friday)	What are mammals and birds? What are Reptiles, Amphibians and Fish?	TSW identify characteristics of mammals and birds in order to compare and contrast the two groups TSW identify characteristics of reptiles, fish and amphibians and grouping animals according to structural characteristics	Mammal, bird, Reptile, amphibian, fish	2.2a, 2.2c, 2.2e, 2.4a, 2.5a, 2.6a, 2.6d, 2.8a, 2.9a
5 th Week (Monday-Friday)	What are some Animal Life cycles?	TSW understand the stages of the lifecycle for different animals	Lifecycle, tadpole	2.2a, 2.2c, 2.2e, 2.4a, 2.5a, 2.6a, 2.6d, 2.8a, 2.9a
6 th Week (Monday-Friday)	What are the parts of a plant? How do plants differ?	TSW identify parts of a plant and understand what they need to survive TSW identify structural characteristics of a plant and compare and contrast them to other plants	Roots, stem, leaves, flowers Trunk, shrub	2.2a, 2.2b, 2.2c, 2.7a, 2.6a, 2.6c, 2.9a
7 th Week (Monday- Friday)	What are some plant life cycles?	TSW understand the stages a plant goes through throughout its lifecycle	lifecycles	2.4a, 2.5a, 2.8a, 2.9a, 2.2b
8 th Week (Monday-Friday)	What are some plant life cycles?	TSW understand the stages a plant goes through throughout its lifecycle	lifecycles	2.4a, 2.5a, 2.8a, 2.9a, 2.2b
9 th Week (Monday-Friday)	DCA # 1			



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2nd Quarter (45Days)

Resources: HSP Science

Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
<i>1st Week (Monday-Friday)</i>	What is an environment?	TSW describe environments and recognize the Living and non -living components in an environment	Habitat, environment, adapt	2.1a, 2.2a, 2.2c, 2.2d, 2.2e, 2.2f, 2.8a, 2.9b
<i>2nd Week (Monday-Friday)</i>	How do Living things survive in different places/ Stream habitat?	TSW describe the living and non -living things that make up a stream habitat and identify animals that can live there	Desert, rainforest, grassland, tundra, ocean, pond	2.1a, 2.2a, 2.2c, 2.2d, 2.2e, 2.2f, 2.8a, 2.9b
<i>3rd Week (Monday-Friday)</i>	How do Living things survive in different places/ Woodland Habitat?	TSW describe the living and non- living things that make up a woodland habitat and identify which animals use trees to get what they need		2.1a, 2.2a, 2.2c, 2.2d, 2.2e, 2.2f, 2.8a, 2.9b
<i>4th Week</i>	How do Living things survive in different places/ Other Habitats?	TSW learn about other habitats and be able to place animals in their correct habitat		2.1a, 2.2a, 2.2c, 2.2d, 2.2e, 2.2f, 2.8a, 2.9b



2nd Quarter (45Days)

Resources: HSP Science

Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
<i>(Monday-Friday)</i>				
<i>5th Week (Monday-Friday)</i>	What are Food Chains and Food Webs?	TSW be able to describe identify and create food chains and food webs to explain flow of energy in people and animals	Food chain, food web	2.2a, 2.2e, 2.4a, 2.5a, 2.7a, 2.9a, 2.9b
<i>6th Week (Monday- Friday)</i>	What changes Earth’s surface?	TSW explore and understand how weathering and erosion cause change to Earth’s surface	Weathering, erosion, earthquake, volcano	2.1a, 2.1b, 2.6a, 2.10b
<i>7th Week (Monday- Friday)</i>	What are Rocks, Sand and Soil?	TSW compare rocks and soil and learn about various uses for them.	Boulder, mineral, soil	2.1a, 2.1bg, 2.6a, 2.10b
<i>8th Week (Monday-Friday)</i>	What can we learn from Fossils?	TSW be able to explain what a fossil is and understand its importance to understand the past	Dinosaur, extinct, fossil	2.2a, 2.2c, 2.2e, 2.2f, 2.3a, 2.4a, 2.5a, 2.8b
<i>9th Week (Monday-Friday)</i>	D.C.A.# 2			



3rd Quarter (47 Days)

Resources: HSP Science

Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
<i>1st Week (Wednesday- Friday)</i>	How can people use Natural Resources?	TSW be able to identify natural resources and describe their uses	Resource, natural resource,	2.1b, 2.2e, 2.3a, 2.9b
<i>2nd Week (Monday-Friday)</i>	How can people harm natural resources?	TSW explain how people change the environment negatively	Pollution, weather, change	2.1b, 2.3a, 2.5a
<i>3rd Week (Monday- Friday)</i>	How can people protect natural resources?	TSW describe ways in which to help the environment and conserve resources.	Reduce, reuse, recycle, endangered	2.1b, 2.3a, 2.3c, 2.4a, 2.5a
<i>4th Week (Monday-Friday)</i>	How does weather change?	TSW recognize weather patterns each day and each season and explain how living things adjust to them	Weather, weather pattern, season, summer, fall, winter, spring	2.4a, 2.7d
<i>5th Week (Monday-Friday)</i>	Why do we measure weather?	TSW investigate to find out how and why temperature can be measured	Thermometer, temperature, wind, precipitation,	2.4a, 2.7d
<i>6th Week (Monday-Friday)</i>	What Is the Water Cycle?	TSW understand the process of the water cycle and identify what occurs in each stage	Water cycle, drought, evaporate, condense	2.4a, 2.6a, 2.7b, 2.10a
<i>7th Week (Monday-Friday)</i>	What are stars and planets?	TSW identify parts of the solar system along with characteristics of the sun	Solar system, planet, orbit, star, constellation	2.1a, 2.2b, 2.2c, 2.2d, 2.2e, 2.5a
<i>8th Week (Monday-Friday)</i>	What Causes Day and Night?	TSW understand how the Earth's movement effects seasons and cause day and night	Rotate, shadow, rotation	2.4a, 2.5a, 2.7d
<i>9th Week (Monday- Friday)</i>	DCA # 3			



4th Quarter (46 Days)				
Resources: HSP Science				
Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
1 st Week (Monday-Friday)	Why does the moon seem to change?	TSW be able to explain how we can see the moon and identify the different phases	Moon, shine brightly, reflect	2.4a, 2.5a, 2.7d
2 nd Week (Monday-Friday)	What causes the seasons?	TSW understand how the earth's tilt and rotation cause the seasons to change	Orbits, change, season	2.4a, 2.7d
3 rd Week (Monday-Friday)	Observing and classifying matter 1.What Is Matter? 2.Changes in matter.	TSW understand that everything has matter and be able to differentiate between solid, liquid and gas. TSW identify ways in which matter can change and understand the causes of cooling and heating	Property, mass, matter, solid, texture, centimeter, liquid, volume, milliliter, gas. Mixture, evaporation, water vapor, condensation, freezing, burning	2.2d, 2.4a, 2.4b, 2.5a, 2.7a, 2.7b. 2.2d, 2.4a, 2.4b, 2.5a, 2.7a, 2.7b
4 th Week (Monday-Friday)	Light and Heat	TSW understand the concept of energy in the form of Light and heat and what changes these forms of energy cause	Energy, heat, light, sound, solar energy, electricity, reflect, shadow, friction	2.5a, 2.7a
5 th Week (Monday-Friday)	IOWA ITBS testing			
6 th Week (Monday-Friday)	Sound Motion Magnets/ Magnetic Field	TSW be able to understand that sounds are made by vibrating objects and understand how sound travels and how it is heard through the ear. TSW describe the ways that objects can move and the relationship between force and motion and understanding how movement can be measured and make easier through simple machines TSW identify magnetic poles and the materials that magnets attract/ Recognize that magnetic field passes only through certain materials	Sound, vibrates, sound wave, loudness, pitch. Motion, speed, force, gravity, friction, lever, inclined plane, Magnet, pole, attract, repel	2.2b, 2.3a, 2.3b, 2.7a, 2.4a, 2.5a. 2.4a, 2.4b, 2.7a, 2.7c.



4th Quarter (46 Days)				
Resources: HSP Science				
Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
		magnets attract/ Recognize that magnetic field passes only through certain materials		
<i>7th Week (Monday-Friday)</i>	D.C.A.# 4			
<i>8th Week (Monday-Friday)</i>	Review and set-up to 3 rd Grade			
<i>9th Week (Monday-Friday)</i>	Review and set-up to 3 rd grade			