



Science

1st Grade _ Science_1st Quarter (41Days)

HSP SCIENCE_ Resources: www.harcourtschool.com

Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
1st:	CHAPTER 1_ Introduction	<ul style="list-style-type: none"> • How do we use our senses? • How do we use Inquiry Skills? • How do we use Science Tools? 	Senses Bark Inquiry skill Compare Sequence Measure Observe Predict Science Tools Balance Dropper Forceps	§112.12 – 1a, 1b, 4a, 3b, 3c, 4a
2nd:	UNIT A_PLANTS AND ANIMALS ALL AROUND CHAPTER 1 All about animals Lesson 1 What are living and non-living things. Lesson 2. What do animals need?	<ul style="list-style-type: none"> • Animals use their parts to live in their environment. • Animals go through different life cycle stages. • Adult animals produce offspring that are similar but not identical to their parents. 	Living _Non-Living thing Lungs Gills shelter	§112.12 – 10b
	Lesson 3.	<ul style="list-style-type: none"> • Animals can be grouped according to 	Mammal	§112.12 – 10b



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3 rd :	How can we group animals? How do animals grow and change?	their parts and the foods they eat.	Bird Reptile Amphibian Fish Insect	
4 th :	ALL ABOUT PLANTS	Plants use their parts to survive. <ul style="list-style-type: none"> Plants can be grouped according to their parts and uses. Plants produce food and oxygen for people and animals. Plants have varied life cycles. 	Roots Stem Leaves Flower Fruit Seed Seed coat	§112.12 – 10b
5 th :	Hands On Experiments, Unit Review & Assessment			§112.12 – 2a,2b, 2c, 2d, 2e, 3a
6 th :	CHAPTER 3 Living Together Lesson 1- What is an Environment?	<ul style="list-style-type: none"> A living thing grows, changes, and makes other living things life itself. A nonliving thing does not eat, grow, and make other things like itself. 	environment	§112.12 – 4d, 9a, 9b, 9c, 10a, 10c, 10d
7 th :	What living things need?	<ul style="list-style-type: none"> All living things need food, water, air, and space to survive 	Living thing Nonliving thing	§112.12 – 2a,2b, 2c, 2d, 2e, 3a



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8 th :	CHAPTER 4 Lesson 1. WHAT LIVES IN FOREST?	<ul style="list-style-type: none"> Many different living and nonliving things are found in forests, oceans, wetlands, and deserts. 	Forest Habitat	§112.12 – 2a,2b, 2c, 2d, 2e, 3a
9 th :	LESSON 2. WHAT LIVES IN DESSERT? LESSON 3. WHAT LIVES IN OCEAN. 1st DCA	<ul style="list-style-type: none"> Animals use the living and nonliving things in their environment for food and shelter. Classify ocean animals by their characteristics Ocean Habitat 1st DCA	Desert Cactus Ocean Coral reef	

2nd Quarter (45Days)

Resources:
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Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)



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1 st :	<p>Unit C (Earth Science): Chapter 5 _Our Earth Kinds of Land</p> <p>Kinds of Water</p>	<p>Identify and describe Landforms Similarities and difference in landforms</p> <p>Infer how water and land are different. Bodies of Water</p>	<p>Mountain Hills Valley Plain Beach</p> <p>Stream River Lake Ocean</p>	§112.12 – 7a, 7b 7c
2 nd :	Changes of Earth	Identify the ways Earth’s surface is changed by weather.	Flood Drought erosion	§112.12 – 7a, 7b 7c
3 rd :	<p>Chapter 6 Lesson 1. What are Natural Resources?</p> <p>Lesson 2. What can we observe about rocks and soil?</p>	<p>Air, water, land, rocks, minerals, and soil are natural resources that people use in many ways.</p> <p>How living thing use Natural Resources.</p> <p>Composition of soil and its uses.</p>	<p>Natural resources</p> <p>Rocks Soil Humus</p>	§112.12 – 7a, 7b 7c



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4 th :	Lesson 3. How can we protect Natural Resources?	Forms of pollution and their effects on living things. How 3Rs reduce Pollution.	Pollution Reduce Reuse recycle	§112.12 – 7a, 7b 7c
5 th :	CHAPTER 7 MEASURING WEATHER Lesson 1. What is Weather? Lesson 2. How can we measure weather?	Weather is the condition of the air outside. Weather Pattern Measuring weather by variety of tools	Weather Temperature Thermometer	§112.12 – 4c, 8a, 8b, 8c, 8d
6 th	What makes clouds and rain?	How clouds form when warmer air meets cooler air?	Water cycle Evaporate Water vapors	§112.12 – 4c, 8a, 8b, 8c, 8d
Nov 23- 27	Fall Break	School Closed		
7 th :	Review and Assessment			



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Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
8 th	CHAPTER 8_ SEASONS Lesson 1. What is Spring?	Name the 4 seasons in sequence. Characteristics of Spring and how it affects living things.	Season Spring pattern	§112.12 – 4c, 8a, 8b, 8c, 8d
9 TH	2nd DCA	2ND DCA		
Dec. 21-Jan 6	Winter Break	School Closed		

3rd Quarter (47 Days)

Resources:

Text Book: HSP SCIENCE , WWW.HARCOURTSCHOOL.COM, SCIENCE FAIR PROJECT IDEAS , LAB MANUAL ,Smart Board activities

Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
1 st	Lesson 2. What is Summer?	Identify characteristics of summer and how it affects on living things?	Shed	§112.12 – 4c, 8a, 8b, 8c, 8d
2 nd	Lesson 3. What is Fall?	Compare fruits and seeds to identify similarities and differences. Identify characteristics of Fall and how it affects living thing?	Fall migrate	§112.12 – 4c, 8a, 8b, 8c, 8d



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Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
3 rd :	Chapter 9 _ Objects in the Sky Lesson 1. What can we see in the sky?	Observe and describe the daytime and nighttime sky? Objects in sky	Sun Star moon	§112.12 – 4c, 8a, 8b, 8c, 8d
4 th :	Lesson 2. What causes day and night ? Lesson 3. What can we observe about the Moon?	Why the sun appears to move across the sky. Changes in the Moon’s Shape. Infer how craters on the moon were formed?	rotate crater	§112.12 – 4c, 8a, 8b, 8c, 8d
5 th :	Review and Assessment	Review and participate in class quiz and written tests		§112.12 – 2a,2b, 2c, 2d, 2e, 3a1`
6 th :	CHAPTER 10 1. What is Matter Lesson 2. What can we observe about solids?	Classify solid objects based on size, shape, and color. Recognize that everything around us is matter. Measure and compare physical properties and solid objects.	Matter Solid Mixture Length Mass	§112.12 – 6a, 6b, 6c
7 th :	What can we observe about Liquids?	Understand that matter that flows is liquid. Observe and measure liquids, using tools such as a balance and a measuring cup.	Liquid Dissolve Float Sink	§112.12 – 4b, 5a, 5b



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8 th :	What can we observe about Gases? Review and assessment	Understand that gas is a matter that does not have a shape of its own and spreads out to fill its container. Recognize that steam and ice are forms of water.	Gas Steam Water vapors evaporate	
9 th :	Chapter 11. Energy in Our World Lesson 1. What is Heat? Lesson 2. What can light do? 3rd DCA	How the sun supplies heat to earth? Why something warm up faster than others? Recognize that sun supplies light to earth. 3 rd DCA	Heat Light Shadow	
March 15-19	Spring Break	School Closed		

4th Quarter (46 Days)

Resources:

Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
1 st :	Chapter 11. Energy in Our World	Investigate how sun supplies heat to the earth? Identify ways how heat can be produced.	Sound Vibrate Loudness pitch	



Science

4th Quarter (46 Days)

Resources:

Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
	Lesson 1.What is Heat?			
2 nd	Lesson 2. What can light do?	Draw conclusion why shadows change? Identify sources of Light.		§112.12 – 6a, 6b, 6c
3 rd :	What is Sound?	Identify how sound travels through air? Describe differences in sound.	Force Push Pull	
4 th	Lesson 3. How does Gravity Make Things Move?	Predict how gravity moves an object down a ramp.	Gravity	§112.12 – 2a,2b, 2c, 2d, 2e, 3a
5 th :	How do Magnet make things move?	Magnets and their effect on some objects. Magnet has two poles with different properties.	Magnet Attract Repel Magnetic force pole	
6 th :	Chapter 12. Motion 1. How do things move?	Classify the way objects move. Compare the relative speed of objects. Describe how objects move?	Motion speed	
7 th :	2. How can you change the way Things Move?	Investigate ways to push and pull objects. Identify and describe forces used to move or stop objects. Describe how force can be used to change an		§112.12 – 2a,2b, 2c, 2d, 2e, 3a



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4th Quarter (46 Days)

Resources:

Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
		object's speed, direction, and position.		
8 th :	How does Gravity make Things Move?	Predict how gravity moves an object down a ramp. Describe the force of gravity and its effect on objects. Explain that gravity pulls all objects down to the ground in the same way.		
9 th :	How Do Magnets Make Things Move?	Classify objects as magnetic or nonmagnetic. Describe magnets and their effect on some objects. Explain that a magnet has two poles with different properties.		
4th DCA				
May 26 th	Last day of school			