



1st Quarter (41 Days)

Resources: HSP Science, Edusmart lessons

Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
1	Safety in Science	Importance of Safety, Rules, Scientific method		
2	Unit A Chapter 1: Types of living things <i>Lesson 1:</i> What are some types of Living things <i>Lesson 2:</i> How do living things grow and change?	Infer the importance of animal homes and identify and compare characteristics of living and non-living things Describe the parts of the cell	Organism Cell, Life cycle, Metamorphosis, Larvae Pupa, Inherit,	Teks, 3.10A http://www.crickweb.co.uk/ks2science.html
3	Chapter 2: Types of plants <i>Lesson 1:</i> What do plants need to live? <i>Lesson 2:</i> What are some types of plants? <i>Lesson 3:</i> How do plants make food?	Observe the rate of seed growth Describe the life cycle of plants and animals Describe what plant need to live Describe plants parts and their functions Describe how plants get what they need to live Explain that some plats grow from seeds Describe seeds Describe how plants can be grouped Explain that plants need energy from the sun Relate leaves to their functions Explain how plants make food	Roots Nutrients, Stem, Leaf, Seed, Deciduous Evergreen, Photosynthesis Chlorophyll	Teks, 3.10B, 3.10C, 3.10A http://www.crickweb.co.uk/ks2science.html
4	Quiz Chapter 1 and 2 Chapter 3: Types of Animals	Describe animal habitats and home Identify what animals need to live Describe how the environment meets the	Oxygen, Vertebrates Mammals Birds	Teks, 3.10A http://www.crickweb.co.uk/ks2science.html



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	<i>Lesson 1:</i> What do animals need to live? <i>Lesson 2:</i> What are vertebrates? <i>Lesson 3:</i> What are invertebrates	needs of animals Describe the physical characteristics of mammals Describe the different groups of vertebrates Classify invertebrates	Reptiles Amphibians Fish Invertebrates	
5	Quiz Chapter 3 Unit B Chapter 4: Where living things are found? <i>Lesson 1:</i> What are eco-systems <i>Lesson 2:</i> What are some types of eco-systems?	Describe what makes an eco-system Describe what makes up an environment Explain the habitat of an organism in an eco-system Explain different eco-systems Explain camouflage, hibernation, migration and adaptation	Environment, Eco-system, Population Community, Habitat Desert, Grassland Forest,	Teks, 3.9C, 3.9A http://www.crickweb.co.uk/ks2science.html
5	Lesson 3: How do living things survive in eco-systems Lesson 4: How do eco-systems change?	Predict changes in an environment Describe how environment changes over time and how people change the eco-system	Adaptation Instinct, Hibernation Migration, Camouflage mimicry	Teks, 3.9C, 3.9A http://www.crickweb.co.uk/ks2science.html
7	Quiz Chapter 4 Chapter 5: Living things depend on one another. <i>Lesson 1:</i> How do plants and animals interact <i>Lesson 2:</i> What are food	Describe how living things get energy Explain why all animals depend on plants Describe what happens in a food chain Explain what energy pyramid is Explain what happens in a food web and how it can change	Resource, Producer Consumer, Decomposer Herbivore, Carnivore Omnivore, Food chains Energy pyramid Predator, Prey	Teks 3.9C, Teks 3.9B http://www.crickweb.co.uk/ks2science.html



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	chains? <i>Lesson 3: What are food webs?</i>		Food web	
8	Quiz Chapter 5 Unit C Chapter 6: Minerals and Rocks. <i>Lesson 1: What are minerals and rocks</i> <i>Lesson 2: What are types of rocks</i> <i>Lesson 3: What are fossils</i>	Explore hardness of minerals Define minerals and rocks Describe how to identify mineral by their properties Identify the 3 types of rocks Describe the way some rocks form from being worn down and carried away Explain ways people use rocks Describe what fossils are and how are the formed	Minerals, Rocks, Ingenious rocks Sedimentary rocks Metamorphic rocks Fossils	Teks 3.7C, Tekes 3.7A, 3.7B, 3.7D https://www.bbc.co.uk/bitesize/topics/z9bbkqt/resources/1
1st DCA				

2nd Quarter (45 Days)

Resources:

Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
1	Unit C Chapter 7: Forces that Shapes the Land <i>Lesson 1: What are Landforms?</i> <i>Lesson 2: How do landforms change slowly?</i>	Describe the layers of earth Describe some of earth's major landform Observe the way water can break down rocks Describe the effect of weathering on surface Describe how earthquakes and	Landform, Mountain Rally, Canyon Plain, Plateau, Weathering, Erosion Glacier, Earthquake Volcano, Flood	Teks 3.7A, 3.7B, 3.7D https://www.bbc.co.uk/bitesize/topics/z9bbkqt/resources/1



2nd Quarter (45 Days)

Resources:

Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
	<i>Lesson 3: How do landforms change quickly?</i>	volcanoes change earth surface Describe how flood change earth surface	Resources	
2	Quiz Chapter 7 Unit C Chapter 8: <i>Lesson 1: What are some types of resources?</i> <i>Lesson 2: What are some types of soil?</i>	Identify common resources Explain what renewable, reusable and non-renewable resources are	Renewable resources, Reusable resources Non-renewable resources	Teks 3.7D
3	<i>Lesson 3: How do people use and impact the environment?</i> <i>Lesson 4: How can resources be used wisely</i>	Compare different types of soil Identify the layers of soil and its materials Observe how pollution affects plants	Humus, Sand, Silt Clay, Loam Pollution	Teks 3.7A, 3.7B
4	Quiz Chapter 8 Unit D Chapter 9: The Water Cycle. <i>Lesson 1: Where is water found on earth</i> <i>Lesson 2: What is the water cycle?</i> <i>Lesson 3: What is weather</i>	Explain what conservation is? Identify ways to reduce, reuse and recycle resources? Explain to understand why water is a natural resource? Identify where fresh water and saltwater can be found Explain to understand that water can move from the soil to the air and back to the soil? Recognize different forms of water? Explain to understand why it rains Explain to understand what weather is	Conservation, Reduce Reuse, Recycle Fresh water Glacier, Ground water	Teks 3.7D https://www.bbc.co.uk/bitesize/topics/z9bbkqt/resources/1
5	Quiz Chapter 9 Unit D Chapter 10: Earth's Place in	Identify what causes the seasons Recognize what causes day and night Describe the moons phases	Condensation, Evaporation Precipitation	Teks 3.8A, 3.8B https://www.bbc.co.uk/bitesize/topics/z9bbkqt/resour



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	<p>the Solar System. <i>Lesson 1:</i> What causes earth seasons? <i>Lesson 2:</i> How do earth and moon interact? <i>Lesson 3:</i> What is solar system?</p>	<p>Identify movement of the moon Understand what causes solar and lunar eclipse Identify the relative position of planets? Describe similarity and difference between the planets Describe other bodies in the solar system</p>	<p>Water cycle Atmosphere, Oxygen Weather, Temperature Anemometer, Axis, Rotation, Revolution, Moon phases, Lunar cycle, Lunar eclipse Solar eclipse Planet Orbit, Solar system Star, Constellation Matter</p>	<p>ces/1</p>
6	<p>Quiz Chapter 10 Unit E Chapter 11: Properties of Matter <i>Lesson 1:</i> What is matter? <i>Lesson 2:</i> What are the states of matter? <i>Lesson 3:</i> How does matter change?</p>	<p>Describe the physical properties of matter Explain how to measure the volume of the liquid. Explain why some objects float and other sink. Observe the change of state. Identify the properties of solids, liquids and gases. Describe evaporation and condensation Explain what the difference between mixture and solution is Describe several types of physical changes. Explain how chemical change differs from the physical change</p>	<p>Physical property Mass, Volume, density, Solid, Liquid Gas, Evaporation Condensation</p>	<p>Teks, 3.8C, 3.8D Teks 3.8A, 3.8B https://www.bbc.co.uk/bitesize/topics/z9bbkqt/resources/1</p>
6	<p>Revision Unit C, Unit D and part of Unit E</p>			
7	<p>Revision Unit C, Unit D and part of Unit E</p>			



2nd Quarter (45 Days)

Resources:

Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
2nd DCA				

3rd Quarter (47 Days)

Resources:

Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
1	Unit E Chapter 12: Energy <i>Lesson 1:</i> What is energy? <i>Lesson 2:</i> How can energy be used? <i>Lesson 3:</i> Why is energy important?	Define energy? Explain the difference kinetic and potential energy. Define temperature? Identify the sources of types of energy people use for different purposes. Describe ways people can conserve energy. Explain the difference between renewable. and non-renewable energy resources	Mixture, Solution Energy, Kinetic energy Potential energy, Combustion, Temperature, Resource Fossil fuels, Non-renewable resources Renewable resources	Teks 3.5A, 3.5B Teks, 3.6A https://www.bbc.co.uk/bitesize/topics/z9bbkqt/resources/1
2	Quiz Chapter 12 Unit E Chapter 13: Electricity and Magnets. <i>Lesson 1:</i> What is electricity? <i>Lesson 2:</i> What are magnets? <i>Lesson 3:</i> How are electricity and magnets related?	Describe static electricity? Distinguish insulators from conductors and give examples. Recognize types and properties of magnets. Recognize magnetic material. Explain how magnets can be used to do work. Describe the properties and uses of electromagnets. Explain how a generator works	Static electricity Current electricity Circuit, Magnetic Generator	Teks 3.6A https://www.bbc.co.uk/bitesize/topics/z9bbkqt/resources/1
3	Quiz Chapter 13 Unit E Chapter 14: Heat, Light and Sound.	Define heat and temperature. Compare conductors and insulators. Investigate path of light. Define reflection and refraction. To understand how shadows are formed	Temperature, Thermal energy, Heat, Conduction Conductor, Insulator, Reflection, Refraction	



3rd Quarter (47 Days)

Resources:

Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
	<i>Lesson 1: What is heat?</i> <i>Lesson 2: What is light?</i>		Shadow	
4	<i>Lesson 3: How are light and color related?</i> <i>Lesson 4: What is sound?</i>	Explain how white light can split into colored light? Describe how objects absorb light? Explain how colored lights combine to make other colors? Identify vibration. Define loudness and pitch Explain how hearing works	Absorbed, Opaque Transparent, Translucent Vibration, Loudness, Pitch	Teks 3.6A https://www.bbc.co.uk/bitesize/topics/z9bbkqt/resources/1
5	Quiz Chapter 14 Unit F Chapter 15: Forces and Motion. <i>Lesson 1: What is motion?</i> <i>Lesson 2: What are forces?</i>	Investigate different kinds of motions Identify and describe types of motions Define speed. Define force and describe how force effect motion. Define weight	Motion, Distance Speed, Force Gravity, Weight	https://www.bbc.co.uk/bitesize/topics/z9bbkqt/resources/1
6	<i>Lesson 3: How do waves move?</i>	Define waves and describe their motion Identify the path of the waves	Wave, Crest Trough, Wavelength	Teks 3.6C
7	Quiz Chapter 15 Revision Unit E and Unit F			
8	Revision Unit E and Unit F			

3rd DCA

4th Quarter (46 Days)

Resources:



Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
1	Unit F Chapter 16: Work and Machines. <i>Lesson 1:</i> What is work? <i>Lesson 2:</i> What are some simple machines?	Explain how a force can cause an object to move. Define work? Identify what is needed to measure work. Differentiate between simple and compound machine	Work	Teks 3.6C https://www.bbc.co.uk/bitesize/topics/z9bbkqt/resources/1
2	<i>Lesson 3:</i> What are some other simple machines?	Define simple machines Describe a lever, wheel, axle and a pulley	Simple machine, Lever Fulcrum, Wheel and axle Pulley	Teks 3.6B
3	Quiz Chapter 16 STAAR Practice, Review Unit F			
4	STAAR Practice, Review Unit F			
5	DCA			
4th DCA				
6	STAAR Practice			
7	STAAR MATH and Reading			
8	Graduation			