



1st Quarter (41 days)

Resources: HSP Science Websites: <https://studyjams.scholastic.com/studyjams/jams/science/index.htm> ; <https://www.bbc.co.uk/bitesize/topics/z9bbkqt/resources/1> ; EDUSMART videos

Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
1	Introductory Chapter: Lesson 1 through 3	What Tools Do Scientists use / What Inquiry skills do scientists use/ What is Scientific Method?	investigation, inquire, experiment scientific method, hypothesis, evidence	5.1 A, B; 5.2A , B, C , D , E 5.4A https://studyjams.scholastic.com/studyjams/jams/sci
2	Introductory Chapter: Safety in Science Scientific Tools Chapter Review/ Test preparation	Lab. Safety Rules Scientific Tools and their uses	Microscope, balance, spring scale, thermometer, beaker, ruler, hand lens, collecting net	5.1 A, B 5.4A
3	Experiment using Scientific Method Review/ Test preparation	Describe, plan and implement a simple experimental investigation testing one variable	investigation, inquire, experiment scientific method, hypothesis, evidence, conclusion	5.2A , B, C , D , E; 5.2 F, G
4	CH. 2 Classifying Living Things Lesson 02 Chapter Review/ Test Preparation	What are vertebrates and invertebrates? Classification of animals	Vertebrate, invertebrate	5.9A https://studyjams.scholastic.com/studyjams/jams/science/index.htm
5	Ch 03: Plant Growth & Reproduction Lessons 1 – and 2	How do plants grow? How do plants reproduce? Technology: Farms of the Future	Vascular tissue, xylem, phloem, photosynthesis spore, gymnosperm, angiosperm, germinate	3.10C, 5.9D https://studyjams.scholastic.com/studyjams/jams/science/index.htm
6	Ch 04: Animal Growth & Heredity Lessons 1 through 3 Chapter Review/ Test preparation	How are characteristics inherited? What other factors affect characteristics?	Life cycle, inherited trait, dominant trait, recessive trait, gene instinct, learned behavior, environment	5.10A, B, C https://studyjams.scholastic.com/studyjams/jams/science/index.htm



7	CH. 5: Energy & Ecosystems Lessons 1 through 2	Carbon dioxide-Oxygen Cycle	Transpiration, photosynthesis, chlorophyll, producer, consumer ecosystem, herbivore, carnivore, food chain, decomposer, food web, energy pyramid	5.8A, 5.9B, C, D https://studyjams.scholastic.com/studyjams/jams/scien
8	Ch 6: Ecosystems and Change Lessons 1 through 3 DCA Review	Description and examples of population, community, adaption, symbiosis Predator-prey relationships Pollution, conservation and reclamation	Population, community, competition, adaption, symbiosis, predator, prey succession, extinction pollution, acid rain, habitat, conservation, reclamation	5.8A 5.9B, C https://studyjams.scholastic.com/studyjams/jams/science/index.htm
9	1st DCA			

2nd Quarter (45 days)

Resources:

Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS
1	Ch. 7 : The Rock Cycle Lessons 1 through 3	Earth's Landforms What causes changes to Earth's landforms? How movement of Crust changes Earth?	Mineral, streak, luster, hardness rock, igneous rock, deposition, sedimentary rock, metamorphic rock weathering, erosion, rock cycle	5.7A, B, C; 3.7B https://www.bbc.co.uk/bitesize/topics/z9bbkqt/resources/1
2	Ch 08: Fossils Lessons 1 through 2	What do fossils show about Earth's history? How fossils are like today's living things?	Fossil, mold, cast, index fossil paleontology	5.7A, D
3	CH. 09: Changes to Earth's Surface Lessons 1 through 3	Earth's Landforms What causes changes to Earth's landforms? How movement of Crust changes Earth?	Landform, topography, glacier, sand dune delta, sinkhole plate, earthquake, epicenter, fault, magma, lava, volcano	5.6C https://www.bbc.co.uk/bitesize/topics/z9bbkqt/resources/1
4	CH. 10 : Using Resources Lessons 1 and 2	How do people use soil & water resources? How to conserve resources?	Renewable resource, nonrenewable resource, pollution conservation	4.7A, C https://www.bbc.co.uk/bitesize/topics/z9bbkqt/resources/1

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5	Ch 11: Weather & the Water Cycle Lessons 1 through 3	What causes weather? What conditions affect water cycle? How can patterns in weather be observed?	Atmosphere, troposphere, air pressure, local wind, prevailing wind water cycle, evaporation, condensation, humidity, precipitation air mass, front, climate	4.8A, B, 5.8A https://studyjams.scholastic.com/studyjams/jams/science/index.htm
6	Ch 12 : Earth's Oceans Lessons 1 through 3	What are the oceans like? How does ocean water move?	Salinity, water pressure, continental shelf, continental slope, abyssal plain wave, current, tide	4.8C https://studyjams.scholastic.com/studyjams/jams/science/index.htm
7	Chp 12: Earth's Oceans L3	What forces shape shoreline?	shore, headland, tide pool, jetty	
8	DCA Review			
9	DCA			

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5th Grade Science



**DARUL ARQAM
ACADEMY
SOUTHWEST**

Revised: 06/1/2020

3rd Quarter (47 days)				
Resources:				
Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
1	CH 13 Earth, Sun and Moon Lesson 1 to 3	How does Earth's orbit affect seasons? How do Earth and Moon compare? What makes our solar system	Sun, rotate, axis, revolve, orbit, equator moon, crater, moon phase, eclipse, refraction star, solar system, constellation, planet universe, galaxy	5.8C, 3 https://studyjams.scholastic.com/studyjams/jams/science/index.htm
2	Ch 14: Properties of Matter Lessons 1 through 2	Structures of matter Physical properties & changes	Volume, atom, molecule, nucleus, element, periodic table physical change, density, mixture, solution	5.5A,B,C; 3.5C https://studyjams.scholastic.com/studyjams/jams/science/index.htm
3	Continue CH 14 Properties of Matter Lesson 3	Chemical properties & changes Kinetic & potential	Combustibility, reactivity energy, kinetic energy,	5.5C, D
4	Continue CH 15 Energy Lesson 2 and 3	Energy of Energy How is Heat transferred	Solar energy, light, chemical energy, mechanical energy, electrical energy heat, system, conduction, convection, radiation, reflection	5.6A
5	CH 16: ELECTRICITY Lessons 1 & 2	How are Electricity & magnetism related? Static & current electricity	Electricity, electromagnet static electricity, electric current, current electricity, conductor, insulator	5.8A, B 5.9C
6	Continue CH 16 Electricity Lessons 3 and 4	Electric circuits	Electric circuit, series circuit, parallel circuit	5.6B
7	CH 17: Sound and Light Lessons 1 & 2	What is sound? What is light?	Vibration, volume, pitch, frequency reflection, opaque, translucent, transparent, refraction, convex lens, concave lens	5.6A
8	DCA Review	Review and Assessment		
9	DCA			

Scope and Sequence 2020-2021

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Revised 06/1/2020

4th Quarter (46 Days)

Resources:

Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
1	Review previous Chapters and Vocabulary			
2	Chp 18 Forces L1, L2 and L3	What forces affect objects on Earth every day? Balanced & Unbalanced Forces What is work and how is it measured?	Force, friction, gravity, gravitational force, magnetic, magnetic force balanced forces, unbalanced forces, net force, buoyant force Work, simple machine, lever, fulcrum, wheel and axe, pulley, inclined plane	5.6A,B, D
3	Ch. 19 Motion Lesson 1 & 2	What factors affect Motion What are Laws of Motion	Position, speed, velocity, acceleration	3.6B
4	DCA review practice	Review	Review	
5	DCA			
6	STAAR review practice	Review	Review	
7	STAAR			
8	Step Up			
9	End of Year Activities			

