



Kindergarten Scope and Sequence 2020-2021

Teacher: Sr. Amani Al-Arashi

Subject: Science

Revised 06/1/2020

Science Overview: Students will be introduced to science concepts that build upon the knowledge and experiences that children already have, which enables them to connect to new concepts and skills. These concepts will be taught using interactive activities, songs, and characters with engaging lesson plans. Students will also observe and investigate plants and animals, weather, temperature and other relevant scientific.

1st Quarter (41 Days)

Resources:

Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
1 st	Characteristics of living things	What are living and non-living things?	Living things, non-living beings, air, oxygen, breathe, movement	p.A54 Lesson 1 Discovery works
2 nd	Living things in a community	What are living and non-living things in familiar places?	Community, niche, neighborhood	p.A54 Lesson 2 Discovery works
3 rd	Parts of a plant	Describe some major parts of the plant.	Root, stem, leaves, flowers, fruits, soil, water, food	p.A54 Lesson 3 Discovery works
4 th	What do plants need?	What necessities does a plant need to grow?	Soil, air, water, sunlight, food	p.A54 Lesson 4 Discovery works
5 th	Plants and seeds	How do plants grow and change?	Seeds, baby plant, soil, sunlight	p.A55 Lesson 5 Discovery works
6 th	What animals need	Describe what animals need to live.	Feet, body, food, energy, water, shelter	p.A55 Lesson 6 Discovery works
7 th	Animals and their off springs	How do animals grow and change	Off springs, adults, growth	p.A55 Lesson 7 Discovery works
8 th	Lifecycle of animals	What is the life cycle of a frog?	Life cycle, tadpole, tail, fins, webbed feet	p.A55 Lesson 8 Discovery works
9 th	Exploring with the senses.	What you can find out using your senses.	Senses, sight, vision, hearing, touch, taste	p.B52 Lesson 1Unit B Discovery works



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2nd Quarter (45 Days)				
Resources:				
Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
1 st	Sorting Teddy bears Similar scents Loud and soft sounds	How can you group objects by their properties? How can you use your sense of smell to group objects? How can you group objects by sounds?	Soft, hard, big, small Fragrance, stinks Loud, soft, noisy	p.B52, 53 Lesson 3, 4, 5 Unit B Discovery works
2 nd	Recycling	What are some kinds of materials for recycling?	Plastic, metal, paper, plant	p.B53 Lesson 6 Unit B Discovery works
3 rd	Water changes	What are moving objects?	Fast, slow, stationary	p.D58 Lesson 1 Unit D Discovery work
4 th	Parts of the whole	How the materials are alike and different?	Physical properties, different	p.B53 Lesson 8 Unit B Discovery works
5 th	Looking at the earth and the sky	What can you see on the earth?	Earth, resources, around, home	p.C57 Lesson 1 Unit C Discovery works
6 th	In the sky	What can you see in the daytime sky?	Clouds, rain, sunny day	p.C57 Lesson 2 Unit C Discovery works
7 th	Positions of the sun Hot and cool places	How does the sun seem to move? What does the earth get from the sun?	Middle, night, morning, afternoon Hot, cool, cold	p.C57 Lesson 3 Unit B Discovery works
8 th	The weather	How does the weather change	Rainy day, cloudy day, sunny day	p.C58 Lesson 4 Unit B Discovery works



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3rd Quarter (47 Days)				
Resources:				
Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
1 st	Position of the moon Surface of the moon Objects in the sky	How does the moon seem to change? What is the surface of the moon like? What can you see in the night in sky?	Half, full, crescent Moon, planet Stars, cloud, sky, moon, sun	p.C58 Lesson 6, 7, 8 Unit C Discovery work
2 nd	Constellations	What patterns can you see in the night sky?	Stars, constellation	p.C58 Lesson 9 Unit C Discovery Works
3 rd	Body parts	What are moving objects?	Fast, slow, stationary	p.D58 Lesson 1 Unit D Discovery
4 th	How do living things move?	How humans and animals move?	Hopping, jumping, leaping	p.D58 Lesson 2 Unit D Discovery
5 th	Pulling and pushing	What are the forces: push and pull	Pull, push, motion	p.D58 Lesson 3 Unit D Discovery
6 th	Different surfaces	Do surfaces have an effect on the movement of an object?	Easy, difficult, roller skate, cracks, smooth	p.D58 Lesson 4 Unit D Discovery
7 th	In the air	How do objects fall to the ground?	Force, ground, gravity	p.D58 Lesson 5 Unit D Discovery Works 2
8 th	Back and forth	What makes an object move back and forth?	Back, forth, see-saw, motion	p.D58 Lesson 6 Unit D Discovery
9 th	Round and round	What makes an object move round and round?	Wheels, round, clock, needles p	p.D58 Lesson 7 Unit D Discovery work

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4th Quarter (46 Days)				
Resources:				
Week	Unit/Lesson	Learning Objectives	Vocabulary Terms	Reporting Categories (TEKS SEs)
1 st : Mar 16-20	Bouncing balls	What properties affect on how an object moves?	Highest, dropped, same, different	p.D59 Lesson 8 Unit D Discovery works
2 nd : Mar 23-27	Changing direction	Can you change how something moves?	Strike, low, high	p.D59 Lesson 9 Unit D Discovery works
3 rd : Mar 30- Apr 3	Body parts	What are external and internal body parts?	Hands, legs, tummy, knees, elbows, shoulders Heart, intestines, liver, lungs,	p.E61 Lesson 1, 2 Unit E Discovery
4 th : Apr 6-10	Using your hands	How do our hands help us?	Paws, hold, write, drink, eat, tie, zip	p.E61 Lesson 3 Unit E Discovery Works
5 th : Apr 14-17	Vertebrates and invertebrates	How do our bones help us?	Bones, skeleton, strengthen,	p.E61 Lesson 4 Unit E Discovery Works
6 th : Apr 20-24	Muscles and bones	How our muscles and bones help us?	Muscles, bones	p.E61 Lesson 5 Unit E Discovery Works
7 th : Apr 27 – May 1	The heart	Heart is the main organ in our body	Pump, deliver, veins, capillaries	p.E62 Lesson 6 Unit E Discovery Works
8 th : May 4-8	Stomach	How the stomach helps us digest food?	Grinds, sac	p.E62 Lesson 7 Unit E Discovery Works
9 th : May 11-15	Brain	How does our brain function?	Right, left, think, estimate	p.E62 Lesson 8 Unit E Discovery Works