

2020-2021 Dallas Arboretum	Texas Essential Knowledge and Skills				NGSS Crosscutting Concepts
	3	4	5	6	
Children's Adventure Garden Learning Galleries					
Earth Cycles: Dynamic Earth		4.2(C), 4.2(F), 4.7(A), 4.7(B)	5.2(D), 5.2(F), 5.2(G), 5.7(A), 5.7(B)	6.2(E), 6.3(B), 6.3(C), 6.10(B), 6.10(D)	Patterns; Cause and Effect; Scale, Proportion and Quantity; Systems and System Models; Stability and Change
Earth Cycles: Earth from Space	3.2(D), 3.2(F), 3.3(C), 3.4(A), 3.8(B), 3.8(D)	4.2(D), 4.2(F), 4.3(B), 4.7(B), 4.8(B), 4.8(C)	5.2(D), 5.2(F), 5.3(B), 5.8(A), 5.8(B), 5.8(C), 5.8(D)	6.2(E), 6.3(C), 6.3(D), 6.11(A), 6.11(B), 6.11(C)	Patterns, Cause and Effect, Scale, Proportion and Quantity, Systems and System Models, Stability and Change
Habitats: Tree Trek	3.2(F), 3.3(B), 3.4(A), 3.9(A), 3.9(B), 3.9(B), 3.9(C)	4.2(B), 4.2(C), 4.2(D), 4.2(F), 4.3(B), 4.4(A), 4.9(A), 4.9(B)	5.2(C), 5.2(D), 5.2(F), 5.2(G), 5.4(A), 5.9(A), 5.9(B), 5.9(C)	6.1(A), 6.2(C), 6.2(E), 6.3(B), 6.3(C), 6.4(A), 6.12(E), 6.12(F)	Patterns; Cause and Effect; Systems and System Models; Scale, Proportion and Quantity; Energy and Matter; Structure and Function; Stability and Change
Incredible Edible					Patterns; Cause and Effect; Scale, Proportion and Quantity; Systems and System Models; Energy and Matter; Stability and Change
Science	3.1(B), 3.9(B)	4.1(B), 4.9(A), 4.9(B)	5.1(B), 5.9(B)	6.1(B)	
Health	3.1(A), 3.1(C), 3.2(D)	4.1(A), 4.1(B), 4.1(F)	5.1(A), 5.1(B), 5.1(C)	6.1(A), 6.1(B)	
Kaleidoscope					Patterns; Scale, Proportion and Quantity; Systems and System Models; Structure and Function
Science	3.2(B), 3.2(D), 3.2(F), 3.3(B), 3.3(C), 3.4(A), 3.10(A)	4.2(B), 4.2(C), 4.2(D), 4.2(F), 4.3(B), 4.3(C), 4.4(A)	5.2(D), 5.2(F), 5.3(C), 5.10(A)	6.2(D), 6.2(E), 6.3(B), 6.3(D)	
Art	3.1(B)	4.1(B)	5.1(B)	6.1(B)	
Mathematics	3.1(A), 3.1(D), 3.1(E), 3.1(F), 3.1(G), 3.8(A)	4.1(A), 4.1(D), 4.1(E), 4.1(F), 4.1(G), 4.9(A)	5.1(A), 5.1(D), 5.1(E), 5.1(F), 5.1(G), 5.9(A)	6.1(A), 6.1(D), 6.1(E), 6.1(F), 6.1(G), 6.5(A), 6.12(A), 6.13(A)	
Living Cycles	3.2(B), 3.2(F), 3.9(A), 3.10(A), 3.10(B)	4.2(B), 4.2(F), 4.9(A), 4.10(A), 4.10(B)	5.2(C), 5.2(D), 5.2(F), 5.9(A), 5.10(A)		Patterns; Systems and System Models; Structure and Function; Stability and Change
Moody Oasis: Monarch Mania	3.2(C), 3.2(F), 3.4(A), 3.10(A), 3.10(B)	4.3(C), 4.4(A), 4.10(C)	5.2(D), 5.2(F), 5.3(A), 5.4(A), 5.9(A), 5.9(C), 5.10(A)	6.2(C), 6.2(E), 6.3(A), 6.3(B), 6.3(C), 6.4(A), 6.12(A), 6.12(C), 6.12(E)	Patterns; Systems and System Models; Structure and Function; Stability and Change
Moody Oasis: Path to Pollen	3.2(C), 3.2(F), 3.4(A), 3.10(A), 3.10(B)	4.3(C), 4.4(A), 4.10(C)	5.2(D), 5.2(F), 5.3(A), 5.4(A), 5.9(A), 5.9(C), 5.10(A)	6.2(C), 6.2(E), 6.3(A), 6.3(B), 6.3(C), 6.4(A), 6.12(A), 6.12(C), 6.12(E)	Patterns; Systems and System Models; Structure and Function; Stability and Change

OmniGlobe: Planetary Voyage	3.1(B), 3.2(D), 3.2(F), 3.3(A), 3.3(B), 3.3(C), 3.6(C), 3.8(B), 3.8(D)	4.1(B), 4.2(D), 4.2(F), 4.3(A), 4.3(C)	5.1(B), 5.2(D), 5.2(F), 5.3(A), 5.3(C), 5.8(B), 5.8(C), 5.8(D)	6.2(E), 6.3(A), 6.3(B), 6.3(C), 6.3(D), 6.11(A), 6.11(B), 6.11(C)	Patterns; Cause and Effect; Scale, Proportion and Quantity; Systems and System Models; Energy and Matter; Structure and Function
OmniGlobe: Powerful Oceans	3.1(B), 3.2(D), 3.3(A), 3.3(B), 3.3(C), 3.9(A), 3.9(B), 3.9(C)	4.1(B), 4.2(D), 4.2(F), 4.3(A), 4.3(B), 4.3(C), 4.7(C), 4.8(B)	5.1(B), 5.2(D), 5.2(F), 5.3(A), 5.3(C), 5.8(A), 5.8(B), 5.9(A), 5.9(C)	6.2(E), 6.3(A), 6.3(B), 6.3(C), 6.3(D), 6.9(A), 6.9(B)	Patterns; Cause and Effect; Scale, Proportion and Quantity; Systems and System Models; Energy and Matter; Stability and Change
Pure Energy		4.2(B), 4.2(D), 4.2(F), 4.4(A), 4.6(A), 4.6(C), 4.7(C)	5.2(C), 5.2(D), 5.2(F), 5.4(A), 5.6(A), 5.6(B),	6.2(C), 6.2(E), 6.4(A), 6.7(A), 6.8(A), 6.9(C)	Patterns; Cause and Effect; Systems and System Models; Stability and Change
Texas Native Wetlands	3.1(A), 3.1(B), 3.2(A), 3.2(B), 3.2(D), 3.2(E), 3.2(F), 3.3(C), 3.4(A), 3.9(A), 3.10(A), 3.10(B)	4.1(A), 4.2(B), 4.2(D), 4.2(E), 4.2(F), 4.3(C), 4.4(A), 4.9(A), 4.10(B)	5.1(A), 5.1(B), 5.2(C), 5.2(D), 5.2(F), 5.3(C), 5.4(A), 5.9(A), 5.9(C), 5.10(A)	6.1(A), 6.1(B), 6.2(C), 6.2(E), 6.3(D), 6.4(A), 6.12(E)	Patterns; Cause and Effect; Systems and System Models; Stability and Change; Scale, Proportion and Quantity; Energy and Matter
Main Garden					
Nature's Works of Art (Art TEKS only)	3.1(B), 3.3(C)	4.1(B), 4.3(C)	5.1(B), 5.3(C)		Patterns; Scale, Proportion and Quantity; Structure and Function
Our Place at Your Pace	3.2(A), 3.2(C), 3.2(D), 3.3(C), 3.4(A), 3.9(A), 3.9(B), 3.9(C), 3.10(A), 3.10(B)	4.2(C), 4.2(D), 4.3(C), 4.4(A), 4.9(A), 4.9(B), 4.10(A), 4.10(B)	5.2(C), 5.2(D), 5.4(A), 5.9(A), 5.9(B), 5.10(A), 5.10(B)	6.2(C), 6.2(D), 6.2(E), 6.4(A), 6.12(E)	Patterns; Cause and Effect; Structure and Function
Texas Native Plant Lab	3.1(A), 3.2(D), 3.2(F), 3.3(B), 3.4(A), 3.9(A), 3.9(C), 3.10(A)	4.1(A), 4.2(B), 4.2(D), 4.2(F), 4.3(B), 4.4(A), 4.9(A), 4.10(A)	5.1(A), 5.2(C), 5.2(D), 5.2(F), 5.4(A), 5.9(A), 5.9(C), 5.10(A), 5.10(B)	6.1(A), 6.2(C), 6.2(E), 6.3(B), 6.3(C), 6.4(A), 6.12(A), 6.12(C), 6.12(D), 6.12(E)	Patterns; Systems and System Models; Structure and Function; Stability and Change
Classroom Labs					
Disappearing Act	3.1(A), 3.2(B), 3.2(C), 3.2(D), 3.2(E), 3.2(F), 3.3(B), 3.3(C), 3.4(A), 3.9(A), 3.9(B)	4.1(A), 4.2(B), 4.2(C), 4.2(D), 4.2(E), 4.2(F), 4.3(B), 4.3(C), 4.4(A), 4.9(B), 4.10(A)	5.1(A), 5.2(C), 5.2(D), 5.2(E), 5.2(F), 5.2(G), 5.3(B), 5.3(C), 5.4(A), 5.9(A), 5.9(B), 5.9(C)	6.1(A), 6.2(C), 6.2(D), 6.2(E), 6.3(B), 6.3(C), 6.12(E), 6.12(F)	Scale, Proportion, & Quantity; Cause & Effect; Systems & System Models; Stability & Change
Garden Design Challenge		4.1(B), 4.2(C), 4.2(D), 4.2(F), 4.3(A), 4.3(C), 4.4(A), 4.10(A), 4.10(B)	5.2(C), 5.2(D), 5.2(F), 5.2(G), 5.3(A), 5.3(C), 5.4(A), 5.10(A), 5.10(B)	6.2(C), 6.3(B), 6.3(C), 6.4(A), 6.12(D), 6.12(F)	Patterns; Cause and Effect; Scale, Proportion and Quantity; Systems and System Models; Stability and Change
It's a Bug's Life	3.1(A), 3.1(B), 3.2(B), 3.2(D), 3.2(E), 3.2(F), 3.3(C), 3.4(A), 3.10(A), 3.10(B)	4.1(A), 4.2(B), 4.2(D), 4.2(E), 4.2F, 4.3(A), 4.3(C), 4.4(A), 4.10(A), 4.10(C)	5.1(A), 5.1(B), 5.2(C), 5.2(D), 5.2(E), 5.2(F), 5.3(C), 5.4(A), 5.10(A)		Patterns; Structure & Function

Restless Earth	3.1(A), 3.2(B), 3.2(D), 3.2(F), 3.3(A), 3.4(A), 3.7(A)	4.1(A), 4.2(B), 4.2(D), 4.3(A), 4.3(B), 4.4(A), 4.7(B)	5.1(A), 5.2(C), 5.2(D), 5.3(A), 5.3(B), 5.4(A), 5.7(B)		Cause & Effect; Scale, Proportion, & Quantity; Stability & Change
Afterschool					
Butterflies, Bees and Blossoms	3.1(A), 3.3(B), 3.4(A), 3.7(A), 3.9(A), 3.9(B), 3.10(A), 3.10(B),				Patterns; Cause and Effect; Scale, Proportion and Quantity; Systems and System Models; Structure and Function; Stability and Change
Diversity of Life		4.1(A), 4.2(A), 4.2(B), 4.2(C), 4.2(D), 4.2(E), 4.2(F), 4.3(A), 4.3(B), 4.4(A), 4.8(B), 4.9(A), 4.9(B), 4.10(A), 4.10(B)	5.1(A), 5.2(A), 5.2(B), 5.2(C), 5.2(D), 5.2(E), 5.2(F), 5.3(A), 5.3(B), 5.4(A), 5.8(B), 5.9(A), 5.9(B), 5.9(C), 5.10(A), 5.10(B)		Patterns; Cause and Effect; Scale, Proportion and Quantity; Systems and System Models; Energy and Matter; Structure and Function; Stability and Change
Eco-Quest		4.1(A), 4.2(A), 4.2(B), 4.2(C), 4.2(D), 4.2(E), 4.2(F), 4.3(A), 4.4(A), 4.6(A), 4.6(B), 4.6(C), 4.7(C)	5.1(A), 5.2(A), 5.2(B), 5.2(C), 5.2(D), 5.2(E), 5.2(F), 5.3(A), 5.3(B), 5.4(A), 5.5(A), 5.6(A), 5.6(B), 5.7(A)		Patterns; Cause and Effect; Scale, Proportion and Quantity; Systems and System Models; Energy and Matter; Stability and Change
Learn, Grow, Eat & Go!	3.1 (A), 3.2(A), 3.2(B), 3.2(C), 3.3(B), 3.4(A), 3.9(A), 3.10(A), 3.10(B)	4.1(B), 4.2(A), 4.2(B), 4.2 (C), 4.4(A), 4.7(A), 4.9(A), 4.10(B)	5.1(A), 5.2(C), 5.2(F), 5.3(A), 5.4(A), 5.9(A), 5.10(A)		Patterns; Systems and System Models; Structure and Function; Stability and Change
Plants for Survival	3.1(A), 3.2 (A), 3.2(B), 3.2(C), 3.2(D), 3.2(E), 3.2(F), 3.3(B), 3.4(A) 3.9(A), 3.9(B), 3.9(C), 3.10(A), 3.10(B)				Patterns; Cause and Effect; Scale, Proportion and Quantity; Systems and System Models; Structure and Function; Stability and Change
Garden on the Go					
Traveling Seeds	3.2(B), 3.2(D), 3.2(F), 3.4(A), 3.5(A) 3.10(A)				Patterns; Structure and Function
Energy in the Garden	3.1(A), 3.2(B), 3.2(D) 3.4(A) 3.6(A)				Patterns; Energy and Matter; Structure and Function
Rapid Changes	3.1(A), 3.2(B), 3.2(D), 3.2(F), 3.3(A), 3.3(B), 3.4(A), 3.7(B)				Patterns; Cause and Effect; Scale; Proportion; Quantity
Models: Sun, Earth & Moon	3.2(F), 3.3(A), 3.3(B), 3.4(A), 3.8(C)				Patterns; Cause and Effect; Scale; Proportion; Quantity

Matter Over Time		4.1(B), 4.2(B), 4.2(D), 4.2(F), 4.3(B), 4.4(A), 4.5(A)			Patterns; Cause and effect; Energy and Matter; Stability and Change
Pickle Powered		4.1(A), 4.2(B), 4.2(F), 4.6(A), 4.6(C)			Patterns; Cause and effect; Energy and Matter; Stability and Change
Ecosystems in Action		4.2(B), 4.2(D), 4.2(F), 4.3(B), 4.9(B)			Patterns; Cause and effect; Systems and Systems Models; Energy and Matter; Stability and Change
All About Ants! Traits and Behaviors		4.2(B), 4.2(D), 4.2(F), 4.3(B), 4.10(B)			Patterns; Cause & Effect
Landform Formation			5.1(A), 5.1(B), 5.2(C), 5.2(D), 5.3(C), 5.2(F), 5.7(B)		Patterns; Cause and Effect; Scale, Proportion and Quantity; Systems and System Models
Exploring Day and Night			5.2(D), 5.3(A), 5.3(B), 5.8(C)		Patterns; Cause and Effect; Scale, Proportion and Quantity; Systems and System Models
Eco Flow			5.1(A), 5.2(C), 5.2(G), 5.9(A)		Systems and system models
Amazing Adaptations: Plants			5.1(A), 5.2(G), 5.4(A), 5.10(A)		Structure & Function
Buzz on Bees		4.2(A), 4.2(B), 4.2(D), 4.2(E), 4.2(F), 4.3(B), 4.3(C), 4.4(A), 4.9(B)	5.2(C), 5.2(D), 5.2(E), 5.2(F), 5.3(C), 5.4(A), 5.9(A), 5.9(B), 5.9(C)	6.2(C), 6.2(E), 6.3(B), 6.3(C), 6.3(D), 6.4(A), 6.12(E)	Cause & Effect; Systems & System Models; Structure & Function; Stability & Change
Plant Secrets	3.1(A), 3.2(D), 3.2(F), 3.3(B), 3.4(A), 3.9(A), 3.10(A)	4.1(A), 4.2(D), 4.2(F), 4.3(B), 4.4(A), 4.10(A)	5.1(A), 5.2(C), 5.2(D), 5.2(F), 5.4(A), 5.10(A)		Patterns; Structure & Function
Water Works!	3.1(A), 3.1(B), 3.2(B), 3.4(A), 3.5(A), 3.6(A), 3.7(C)	4.1(A), 4.1(B), 4.2(B), 4.2(F), 4.3(C), 4.4(A), 4.5(A), 4.6(A), 4.7(C)	5.1(A), 5.1(B), 5.2(C), 5.2(D), 5.2(F), 5.4(A), 5.5(A), 5.6(A)		Cause and Effect; Systems and System Models; Structure and Function