

2018 - 2019 Dallas Arboretum Programming	Texas Essential Knowledge and Skills									NGSS Crosscutting Concepts
	K	1	2	3	4	5	6	7	8	
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)	7.2(E), 7.3(B), 7.3(C), 7.8(A), 7.8(B), 7.8(C)	8.2(E), 8.3(B), 8.3(C), 8.9(A), 8.9(B)	Patterns; Cause and Effect; Scale, Proportion and Quantity; Systems and System Models; Stability and Change
Earth Cycles: Earth from Space			2.2(A), 2.3(B), 2.8(B), 2.8(C)	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)	7.2(E), 7.3(B), 7.3(C), 7.9(A), 7.9(B)	8.3(B), 8.3(C), 8.7(A), 8.7(B), 8.7(C), 8.8(B)	Patterns, Cause and Effect, Scale, Proportion and Quantity, Systems and System Models, Stability and Change
Habitats: At Home in the Wild	K.2(A), K.2(C), K.2(D), K.2(E), K.3(A), K.4(A), K.4(B), K.9(A), K.9(B)	1.2(A), 1.2(C), 1.2(D), 1.2(E), 1.4(A), 1.9(A), 1.9(B), 1.9(C), 1.10(A)	2.2(A), 2.2(C), 2.2(D), 2.2(E), 2.4(A), 2.9(A), 2.9(C)							Patterns; Cause and Effect; 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)	7.1(A), 7.2(E), 7.8(A), 7.10(A), 7.10(B), 7.10(C), 7.11(A), 7.11(B), 7.12(C), 7.12(D)	8.1(A), 8.2(E), 8.3(B), 8.3(C), 8.11(A), 8.11(B)	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	K.1(B), K.9(B)	1.1(B), 1.9(A)	2.1(B), 2.9(A)	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	K.1(B), K.9(B)	1.1(A)	2.1(C), 2.1(D)	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)	7.2(C), 7.2(D), 7.2(E), 7.3(B), 7.3(D), 7.4(A), 7.11(B)	8.2(C), 8.2(D), 8.2(E), 8.3(D)	
Art				3.1(B)	4.1(B)	5.1(B)	6.1(B)	7.1(B)	8.1(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)	7.1(A), 7.1(D), 7.1(E), 7.1(F), 7.1(G), 7.5(A), 7.5(C), 7.6(C), 7.6(F), 7.6(H)	8.1(A), 8.1(D), 8.1(E), 8.1(F), 8.1(G), 8.3(A)	
Little Sprouts: Butterfly Adventure	K.2(A), K.8(B), K.9(B), K.10(D)	1.2(A), 1.10(C), 1.10(D)								Patterns; Cause and Effect; Systems and System Models; Structure and Function; Stability and Change

Little Sprouts: Squirrel Adventure	K.2(A), K.8(B), K.9(B)	1.2(A), 1.8(C), 1.9(B)								Patterns; Systems and System Models; Structure and Function; Stability and Change
Living Cycles	K.2(A), K.2(E), K.3(B), K.4(A), K.4(B), K.9(A), K.10(C), K.10(D)	1.2(A), 1.2(C), 1.2(E), 1.3(B), 1.4(A), 1.9(B), 1.9(C), 1.10(A), 1.10(B), 1.10(C), 1.10(D)	2.2(A), 2.2(C), 2.2(E), 2.3(B), 2.4(A), 2.9(C), 2.10(A), 2.10(B), 2.10(C)	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	K.2(A), K.2(C), K.2(E), K.3(B), K.3(C), K.4(A), K.10(A), K.10(B)	1.2(A), 1.2(C), 1.2(E), 1.3(B), 1.3(C), 1.4(A), 1.10(A), 1.10(B)	2.2(A), 2.2(C), 2.2(E), 2.3(B), 2.4(A), 2.9(B), 2.9(C), 2.10(A), 2.10(B)	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)	7.2(C), 7.2(E), 7.3(B), 7.11(B)		Patterns; Systems and System Models; Structure and Function; Stability and Change
Moody Oasis: Path to Pollen	K.2(A), K.2(C), K.2(E), K.3(B), K.3(C), K.4(A), K.10(A), K.10(B)	1.2(A), 1.2(C), 1.2(E), 1.3(B), 1.3(C), 1.4(A), 1.10(A), 1.10(B)	2.2(A), 2.2(C), 2.2(E), 2.3(B), 2.4(A), 2.9(C), 2.10(A), 2.10(B)	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)	7.2(E), 7.3(A), 7.3(B), 7.3(C), 7.3(D), 7.9(A)	8.2(E), 8.3(A), 8.3(B), 8.3(C), 8.3(D), 8.7(A), 8.8(A), 8.8(B)	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)	7.3(A), 7.3(B), 7.3(C), 7.3(D), 7.6, 7.8(A)	8.2(E), 8.3(A), 8.3(B), 8.3(C), 8.3(D), 8.10(A), 8.10(B), 8.10(C), 8.11(C)	Patterns; Cause and Effect; Scale, Proportion and Quantity; Systems and System Models; Energy and Matter; Stability and Change
Plants are Alive: Pumpkin Powered	K.2(A), K.2(C), K.2(E), K.3(B), K.3(C), K.4(A), K.4(B), K.9(A), K.9(B), K.10(B), K.10(C), K.10(D)	1.2(A), 1.2(C), 1.2(D), 1.2(E), 1.3(B), 1.3(C), 1.4(A), 1.4(B), 1.9(A), 1.10(B)	2.2(A), 2.2(C), 2.2(D), 2.2(E), 2.3(B), 2.9(A), 2.9(B), 2.10(B)							Systems and System Models; Structure and Function; Stability and Change

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
CSI in the Garden							6.1(A), 6.2(C), 6.2(E), 6.3(A), 6.4(A), 6.4(B), 6.5(A), 6.5(B), 6.12(E)	7.1(A), 7.2(C), 7.2(E), 7.3(A), 7.4(A), 7.4(B), 7.6(A)	8.1(A), 8.2(C), 8.2(E), 8.3(A), 8.4(A), 8.4(B), 8.5(E)	Patterns; Stability and change
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
Earth Rocks!	K.1(A), K.2(C), K.3(B), K.3(C), K.4(A), K.4(B), K.5(A), K.7(A), K.7(C)	1.1(A), 1.2(B), 1.2(C), 1.2(D), 1.2(E), 1.3(C), 1.4(A), 1.4(B), 1.5(A), 1.7(A), 1.7(C)	2.1(A), 2.2(C), 2.2(D), 2.2(E), 2.2(F), 2.3(C), 2.4(A), 2.4(B), 2.5(A), 2.7(A), 2.7(C)							Patterns; Scale, Proportion, & Quantity
Flight of the Honeybee	K.1(A), K.2(C), K.2(E), K.3(B), K.4(A), K.4B, K.10(B)	1.1(A), 1.2(C), 1.2(E), 1.4(A), 1.4(B), 1.9(B), 1.9(C), 1.10(A), 1.10(B)	2.1(A), 2.2(C), 2.2(E), 2.3(B), 2.4(A), 2.4(B), 2.9(C), 2.10(A), 2.10(B)	3.2(D), 3.2(F), 3.3(B), 3.9(B), 3.10(A)						Patterns; Systems & Systems Models; Structure & Function
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)	7.2(C), 7.3(B), 7.3(C), 7.4(A), 7.10(A), 7.11(B), 7.13(A)	8.2(C), 8.2(E), 8.2(B), 8.3(C), 8.4(A), 8.11(A)	Patterns; Cause and Effect; Scale, Proportion and Quantity; Systems and System Models; Stability and Change
It's a Bug's Life			2.1(A), 2.2(C), 2.2(D), 2.2(E), 2.2(F), 2.3(C), 2.4(A), 2.10(A), 2.10(C)	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
Plant Detectives	K.1(A), K.2(C), K.2(D), K.2(E), K.4(A), K.4(B), K.9(B), K.10(A), K.10(B)	1.1(A), 1.2(C), 1.2(E), 1.4(A), 1.10(A), 1.10(B)	2.1(A), 2.2(C), 2.2(D), 2.2(E), 2.3(B), 2.4(A), 2.10(B)							Patterns; Structure & Function

Plants Parents: Propagation 101							6.1(A), 6.2(C), 6.2(E), 6.3(A), 6.3(B), 6.3(C), 6.4(A), 6.12(D), 6.12(E)	7.1(A), 7.2(C), 7.2(E), 7.3(A), 7.3(B), 7.3(C), 7.4(A), 7.10(B), 7.11(B), 7.11(C), 7.12(D), 7.14(A), 7.14(B), 7.14(C)	8.1(A), 8.2(E), 8.3(A), 8.3(B), 8.3(C), 8.4(A), 8.11(A), 8.11(B)	Patterns; Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Energy and Matter; Structure and Function; Stability and 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
Pumpkin Circle	K.1(A), K.2(C), K.2(E), K.3(B), K.4(A), K.4(B), K.9(A), K.9(B), K.10(B), K.10(D)	1.1(A), 1.2(C), 1.2(E), 1.3(B), 1.4(A), 1.9(A), 1.10(B)	2.1(A), 2.2(C), 2.2(E), 2.3(B), 2.4(A), 2.9(A), 2.10(B)							Patterns; Cause & Effect; 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
The Scoop on Soil	K.1(A), K.2(C), K.3(B), K.3(C), K.4(A), K.4(B), K.5(A), K.7(C)	1.1(A), 1.2(B), 1.2(C), 1.2(D), 1.2(E), 1.3(C), 1.4(A), 1.4(B), 1.5(A), 1.7(A), 1.7(C)	2.1(A), 2.2(C), 2.2(D), 2.2(E), 2.2(F), 2.3(C), 2.4(A), 2.4(B), 2.5(A)							Patterns; Cause and effect; Scale, Proportion, & Quantity
Seedsational	K.1(A), K.2(C), K.2(E), K.3(B), K.4(A), K.4(B), K.9(A), K.9(B), K.10(B), K.10(D)	1.1(A), 1.2(C), 1.2(E), 1.3(B), 1.4(A), 1.9(A), 1.10(B)	2.1(A), 2.2(C), 2.2(E), 2.3(B), 2.4(A), 2.9(A), 2.10(B)							Patterns; Cause and Effect; Structure and 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

What's For Dinner?	K.1(A), K.2(C), K.2(D), K.2(E), K.3(C), K.4(A), K.4(B), K.9(A), K.9(B)	1.1(A), 1.2(C), 1.2(D), 1.2(E), 1.3(B), 1.3(C), 1.4(A), 1.9(A), 1.9(B), 1.9(C)	2.1(A), 2.2(C), 2.2(D), 2.2(E), 2.2(F), 2.3(B), 2.3(C), 2.4(A), 2.9(A), 2.9(C)							Patterns; Systems & Systems Models; Structure & Function
Wonders of Water	K.1(A), K.2(C), K.2(E), K.4(B), K.5(A), K.5(B), K.7(C)	1.1(A), 1.2(E), 1.3(B), 1.4(A), 1.5(A), 1.5(B), 1.7(C)	2.1(A), 2.2(C), 2.2(E), 2.2(F), 2.4(A), 2.5(A), 2.5(B), 2.5(C)							Cause and Effect; Systems and System Models
Auditorium										
Nuts the Squirrel	K.2(A), K.8(B), K.9(B)	1.2(A), 1.8(C), 1.9(A)	2.8(B), 2.9(A), 2.9(B)							Patterns; Structure and Function; Stability and Change
Wishing for Wings	K.2(A), K.9(A), K.9(B)	1.2(A), 1.8(C), 1.9(A)	2.2(B), 2.9(A), 2.10(C)							Patterns; Structure and Function; Stability and Change
Afterschool										
Butterflies, Bees and Blossoms			2.1(A), 2.2(A), 2.2(D), 2.3(A), 2.3(B), 2.4(A), 2.4(B) 2.9(A), 2.9(B), 2.9 (C) 2.10(A), 2.10(C)	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!		1.2 (A), 1.2(C), 1.2(D), 1.3(B), 1.4(A), 1.5(A), 1.10(B)	2.1(A), 2.2(C), 2.2(D), 2.3(A), 2.3(B) 2.4(A), 2.4(B) 2.8(B), 2.9(A), 2.9(B), 2.9(C), 2.10(B)	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			2.1(A), 2.2(A), 2.2(B), 2.2(C), 2.2(D), 2.2(E), 2.3(A), 2.3(B), 2.4(A), 2.4(B) 2.9(A), 2.9(B), 2.9(C), 2.10(A), 2.10(B)	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
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