2023 - 2024 Dallas Arboretum Programming	Texas Essential Knowledge and Skills							NGSS Crosscutting Concepts
	K	1	2	3	4	5	6	
Children's Adventure Garden Learning Galleries								
Earth Cycles: Dynamic Earth				3.2(C), 3.2(F), 3.7(A)	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			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)	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)	Patterns; Cause and Effect; Systems and System Models; Scale, Proportion and Quantity; Energy and Matter; Structure and Function; Stability and Change
Kaleidoscope			2.2(C), 2.2(E), 2.3(B), 2.3(C), 2.4(A), 2.10(A), 2.10(B)	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), 4.10(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)	Patterns; Scale, Proportion and Quantity; Systems and System Models; Structure and Function
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		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			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)	Patterns; Systems and System Models; Structure and Function; Stability and Change
Moody Oasis: Path to Pollen			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)	Patterns; Cause and Effect; Scale, Proportion and Quantity; Systems and System Models; Energy and Matter; Structure and Function
OmniGlobe: Geologic Odyssey				3.2(D), 3.2(F), 3.3(B),3.3(A), 3.3(C), 3.7(B)	4.2(D), 4.2(F), 4.3(A), 4.3(C)	5.2(D), 5.2(F), 5.3(A), 5.3(C)	6.2(E), 6.3(A), 6.3(B), 6.3(C), 6.3(D), 6.10(C), 6.10(D)	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

	K	1	2	3	4	5	6	
Plants are Alive: Root to Fruit	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
Pure Energy				3.2(B), 3.2(D), 3.2(F), 3.4(A), 3.6(A)	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

2023 - 2024 Dallas Arboretum Programming	Texas Essential Knowledge and Skills							NGSS Crosscutting Concepts
	K	1	2	3	4	5	6	
Main Garden and Seasonal Programs								
Nature's Works of Art (Art TEKS only)	K.1(B)	1.1(B)	2.1(B), 2.3(C)	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
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
Christmas Village Tour	K.8(C)	1.8(B), 1.8(C)	2.8(B)					Patterns, Cause and Effect, Systems and System Models,
	SS TEKS K.5(B), K.11(A), K.12(B)	SS TEKS 1.1(B), 1.6(C), 1.15(A)	SS TEKS 2.1(B), 2,16(A), 2.16(B					
Classroom Labs/ Garden On The Go Outreach								
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			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)	4.2(D), 4.2(F), 4.3(B), 4.10(A)	5.2(D), 5.2(F), 5.9(A), 5.10(A)	6.2(E), 6.3(B), 6.3(C), 6.12(E)	Patterns; Systems & Systems Models; Structure & Function
Garden Design Challenge				3.1(B), 3.2(C), 3.2(D), 3.2(F), 3.3(A), 3.3(C), 3.4(A), 3.9(A)	4.1(B), 4.2(C), 4.2(D), 4.2(F), 4.3(A), 4.3(C), 4.4(A), 4.8(C)	5.2(C), 5.2(D), 5.2(F), 5.2(G), 5.3(A), 5.3(C), 5.4(A), 5.9(A)	6.2(C), 6.2(E), 6.3(A), 6.12(E)	Patterns; Cause and Effect; Scale, Proportion and Quantity; Systems and System Models; Stability and Change

Title	K	1	2	3	4	5		Concepts
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
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

	K	Grade 1	Grade 2	Grade 3	Grade 4			Concepts
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 and Function; Energy and Matter
Diving into Physical Properties				3.2(B), 3.2(D), 3.2(F), 3.4(A), 3.5(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
A Tour of Texas: Exploring Environments Across our State				3.2(D), 3.2(F), 3.4, 3.9(A)				Patterns, Structure and function
Life Cycles				3.1(A), 3.2(F), 3.10(B)				Patterns
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
Stories from the Soil					4.1(A), 4.2(B), 4.2(F), 4.4, 4.7(A)			Patterns
Earth's Water Cycle					4.1(A), 4.2(B), 4.2(D), 4.3(B), 4.8(B)			Cause and Effect, Systems and System Models
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

Sorting Out Mixtures						5.2(D), 5.4, 5.5(B), 5.7(B)		Patterns
Garden Art						5.2(D), 5.4, 5.6(C)		Patterns, Cause and Effect, Structure and function
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

2023 - 2024 Dallas Arboretum Programming	Texas Essential Knowledge and Skills							NGSS Crosscutting Concepts
	K	1	2	3	4	5	6	
Afterschool Programs								
Butterflies, Bees and Blossoms	K.1(A), K.2(A), K.2(B), K.2(C), K.2(D), K.2(E), K.3(B), K.3(C), K.4(A), K.4(B)K.9(A), K.9(B), K.10(A), K.10(B), K.10(C), K.10(D)	1.1(A), 1.2(A), 1.2(B), 1,2(C), 1.2(D), 1.2(E), 1.3(B), 1.3(C), 1.4(A), 1.9(A), 1.9(C), 1.10(A), 1.10(B), 1.10(C), 1.10(D)	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), 3.1(B), 3.2(C), 3.2(D), 3.2(E), 3.2(F), 3.3(B), 3.3(C), 3.4(A), 3.4(B) 3.7(A), 3.9(A), 3.9(B), 3.10(A), 3.10(B), 3.10(C)	4.1(A), 4.1(B), 4.2(C), 4.2(D), 4.2(E), 4.2(F), 4.3(C), 4.4(A), 4.4(B), 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), 5.4(B), 5.9(A), 5.10(A)		Patterns; Cause and Effect; Scale, Proportion and Quantity; Systems and System Models; Structure and Function; Stability and Change
Diversity of Life				3.1(A), 3.3(B), 3.4(A), 3.7(A), 3.9(A), 3.9(B), 3.10(A), 3.10(B),	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				3.1 (A), 3.2(A), 3.2(B), 3.2(C), 3.3(B), 3.4(A), 3.6(A),	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	K.1(A), K.2(A), K.2(B), K.2(C), K.2(D), K.2(E), K.3(B), K.3(C), K.4(A), K.4(B), K.9(A), K.9(B), K.10(A), K.10(B), K.10(C), K.10(D)	1.1(A), 1.2(A), 1.2(B), 1,2(C), 1.2(D), 1.2(E), 1.3(B), 1.3(C), 1.4A(A), 1.9(A), 1.9(B), 1.9(C), 1.10(B)	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(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), 3.10(A), 3.10(B)	4.1(A), 4.1(B), 4.2(C), 4.2(D), 4.2(E), 4.2(F), 4.3(C), 4.4(A), 4.4(B), 4.9(A), 4.9(B), 4.10(A), 4.10(B), 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), 5.4(B), 5.9(A), 5.9(B), 5.9(C), 5.10(A)		Patterns; Cause and Effect; Scale, Proportion and Quantity; Systems and System Models; Structure and Function; Stability and Change