PRINCE WILLIAM
Parks, Recreation & Tourism | **Science in the Park** Program Overview

Grade	Subject	Activities
Kindergarten	Basic Needs of Animals	Pinecone Bird Feeder, Living/Nonliving investigation, Survival Needs Games, Habitat Game
	Basic Needs of Plants	Identification of Basic Needs, Life Cycles, Plant Part Scavenger Hike
	Senses in Nature	Knowing your Senses, Animal Senses, Deer Ears, Owl Eyes, Hug a Tree, Senses trail walk, Wildflower Classification
	Investigating Water	Who Needs Water, States of Matter, Where's Water Hike, Sink/Float, Shape of Water
First Grade	Animal Characteristics	Body Coverings Activity, "Move Like A...", Wild vs Domesticated
	Habitat Features	Habitat Survival Needs, Hibernation, Terrific Turkeys, Log Roll
	Plant Attributes	Plant Needs Exploration, Plant Chant, Plant Parts Factory, Make Your Own Pot
Second Grade	Adaptations	Fashion a Fish, Beaks-a-Plenty, Camouflage Yourself!
	Ecosystem and Habitats	Living/Non-Living & Survival Needs Hike, Woodland Food Web, Seasonal Changes, Migration Headaches
	Life Cycles	Life Cycle Relay, Butterfly, Deer, Frog & Plant Life Cycles, Seed Scavenger Hunt, Life Cycle Hike, Mighty Oak
Third Grade	Aquatic Ecosystem Study	Stream/Pond Study, Terrestrial vs Aquatic Relay,
	Water Everywhere	Transpiration, Water Cycle Walk, Water Cycle Relay, Cloud in a Bottle, Cloud Watching
	Habitat Hike	Habitat Hike, Log Study
	Soil	Dirt vs Soil, Forest Floor Exploration, Sediment Textures, Soil Profiles, Soil We Can Use
Fourth Grade	Ecosystems and Features	Ecosystem Relay Race, Quick Frozen Critters, Eco-Web
	Habitats	Find your Niche, Frog's Life, Butterfly Niche, Habitat Survival Needs, Oh Deer!
	Watersheds	Build a Watershed, Watershed Address, Watershed Tour, Everyone Lives Downstream
	Food Chains & Predator/Prey	Food Chain Scavenger Hunt, Build a Food Chain, Web of Life, Hunt Like a Hawk
	Classifying Nature	Learn to use a Dichotomous Key, Key out Critters & Trees
Fifth Grade	Conservation	Seabird Stomachs, Plastic Voyages, Trash vs. Recycle, Pollution Solutions
	Light & Sound	Sound Waves, Light Waves, Sights & Sounds of the Forest Hike
	Weathering and Erosion	Legos, Soil Shake, Wear it Away Walk, Build me a Landscape
	Virginia Rocks!	Intro to the Rock Cycle & Activity, Virginia Rocks! Hike, Rock Cycle Tag

Science in the Park — Program Overview

Grade Level	SOLs Covered	Vocabulary Covered							Topics
Kinder (K.1)	K.2	Senses	Sight	Taste	Smell	Touch	Hear	Observe	Senses in Nature
	K.4	Colors	Shapes	Forms	Textures	Feel	Seasons	Size	
	K.9	Patterns	Seeds	Cones	Leaves				
	K.6	Living Things	Nonliving	Growth	Movement	Environment	Offspring	Survival Needs	Basic Needs of Plants
	K.6	Food	Air	Water	Space	Light	Life	Death	
	K.7 / K.10	Growth	Life Cycle	Adult	Baby	Changes	Food	Water	Basic Needs of Animals
	K.7 / K.10	Space	Light	Shelter	Egg	Observation			
	K.2 / K.4 / K.11	Solid	Liquid	Gas	Gravity	Volume	Needs	Thermometer	Investigating Water
	K.2 / K.4 / K.11	Matter	Float	Sink	Downhill	Predict	Observe	Measure	
First Grade (1.1 1.7 1.8)	1.4	Survival Needs	Parts of Plant	Classification	Characteristics		Fruit	Minerals	Plant Attributes
	1.4	Seeds	Blossom	Space	Water	Air	Light	Nutrients	
	1.4	Plants	Roots	Stems	Leaves				
	1.5	Animal	Body Covering	Survival Needs	Habitat	Physical Characteristics		Classification	Animal Characteristics
	1.5	Food	Water	Shelter	Space	Seasonal Changes	Temperature	Light	
	1.5	Habitat	Natural Resources	Weather	Snow	Precipitation	Rain	Ice	Habitat Features
	1.5	Reduce	Pollution		Forests	Reuse	Soil	Recycle	
Second Grade (2.1)	2.5	System	Interdependent	Living	Nonliving	Habitat	Needs	Changes	Ecosystems & Habitats
	2.7	Weather	Seasonal Changes	Growth	Behavior	Non-Living			
	2.7	Shelter	Adaptation	Environment	Camouflage	Habitat	Weather	Living	
	2.4 / 3.8	Life Cycle	Stages	Mature	Grow	Seeds	Plant	Frog	Life Cycles
	2.4 / 3.8	Butterfly	Deer	Oak					
	2.7 / 2.4 / 2.8	Adaptations	Behavioral	Physical	Environment	Needs	Mimicry	Camouflage	Adaptations
	2.5 / 2.6	Hibernation	Dormancy	Migration	Survive	Instinct	Learned Behavior	Seasonal	
Third Grade (3.1)	3.8	Adaptations	Physical	Behavioral	Environment	Habitat	Community	Population	Habitat Hike
	3.8	Conservation	Producer	Consumer	Decomposer	Herbivore	Carnivore	Omnivore	
	3.2 / 3.4	Direction	Force		Adaptations	Behavioral	Physical	Interdependent	Aquatic Ecosystems Study
	3.5	Terrestrial	Aquatic	Community	Population	Relationships	Ecosystem	Interdependency	
	3.7 / 3.8	Reservoir	Water Cycle	Process		Conservation	Erosion		
	3.7	Soil	Topsoil	Subsoil	Bedrock	Rock	Clay	Silt	Soil
	3.7	Natural Resource	Humus	Sand	Weathering	Erosion			
	3.9	Water Cycle	Sources	Energy	Essential	Conserve	Limited	Precipitation	Water Everywhere
	3.9	Condensation	Evaporation						
Fourth Grade (4.1)	4.2 / 4.3 / 4.8	Ecosystem	Organism	Living	Nonliving	Adaptations	Population	Community	Ecosystems & Features
	4.2 / 4.3 / 4.8	Metamorphosis	Migration	Natural Resources	Eclose	Climate	Weather	Photosynthesis	
	4.4 / 4.5	Food Web	Habitat	Niche	Life Cycle	Producer	Consumer	Decomposer	Habitats
	4.2 / 4.3 / 4.8	Vertebrate	Invertebrate	Dichotomous	Bilateral	Radial	Symmetry	Structure	Classifying Nature
	4.2 / 4.3 / 4.8	Ecosystem	Population	Community	Classification	Natural Resources		Function	
	4.2	Terrestrial	Aquatic	Food Chain	Producers	Consumers	Decomposers	Herbivore	Food Chains & Predator/Prey
	4.3	Carnivore	Omnivore	Predator	Prey	Food Web	Interdependency		
	4.8	Watershed	Bay	Resource	River	Lake	Watershed Address		Watersheds
Fifth Grade (5.1)	5.9	Resources	Renewable	Non-Renewable	Conserve	Entangled	Petroleum	Pollution	Conservation
	5.5 / 5.6	Sound	Light	Vibration	Energy	Sound Waves	Spectrum	Transverse	Light & Sound
	5.8	Geology	Igneous	Sedimentary	Metamorphic	Lithification	Weathering	Erosion	Virginia Rocks!
	5.8	Rock Cycle	Weathering	Erosion	Deposition	Cementation	Campaction	Magma/Lava	Weathering & Erosion