

Thematic Alignment to the Next Generation Science Standards

Grades K-5



To Create a World ⁱⁿ which **Children** Love to Learn!

Performance Expectation by Topic	Teacher Created Materials Aligned Products		Shell Education Aligned Products
	Science Readers: Content and Literacy in Science	Science Readers: A Closer Look	
K-PS2 Motion and Stability: Forces and Interactions			
Disciplinary Core Ideas PS2.A: Forces and Motion PS2.B: Types of Interactions PS3.C: Relationships Between Energy and Forces ETS1.A: Defining Engineering Problems		Complete Kit: • Forces and Motion • Forces in Nature	• Standards-Based Investigations: Science Labs Grades K-2
K-PS3 Energy			
Disciplinary Core Ideas PS3.B Conservation of Energy and Energy Transfer	6-Pack and Lesson Plan: • Here Comes the Sun		• Standards-Based Investigations: Science Labs Grades K-2 • Strategies for Teaching Science Grades K-5
K-LS1 From Molecules to Organisms: Structures and Processes			
Disciplinary Core Ideas LS1.C: Organization of Matter and Energy Flow in Organisms	6-Pack and Lesson Plan: • Seeds • What Do Living Things Need?		• Standards-Based Investigations: Science Labs Grades K-2 • Strategies for Connecting Content and Language: Science • Strategies for Teaching Science Grades K-5
K-ESS2 Earth's Systems			
Disciplinary Core Ideas ESS2.D: Weather and Climate ESS2.E: Biogeology ESS3.C: Human Impacts on Earth Systems	6-Pack and Lesson Plan: • What is the Weather? • Changing Weather	Complete Kit: • Forces in Nature • Biomes and Ecosystems	• Standards-Based Investigations: Science Labs Grades K-2 • Strategies for Teaching Science Grades K-5 • Strategies for Connecting Content and Language: Science
K-ESS3 Earth and Human Activity			
Disciplinary Core Ideas ESS3.A: Natural Resources ESS3.B: Natural Hazards ESS3.C: Human Impacts on Earth Systems ETS1.A: Defining and Delimiting Engineering Problems ETS1.B: Developing Possible Solutions	6-Pack and Lesson Plan: • Seeds • What Do Living Things Need? • Too Much Trash!	Complete Kit: • Biomes and Ecosystems	• Standards-Based Investigations: Science Labs Grades K-2 • Strategies for Teaching Science Grades K-5 • Strategies for Connecting Content and Language: Science

Performance Expectation by Topic	Teacher Created Materials Aligned Products			Shell Education Aligned Products
	Science Readers: Content and Literacy in Science	Science Readers: A Closer Look	Teaching through Text Sets	
1-PS4 Waves and Their Applications in Technology for Information Transfer				
Disciplinary Core Ideas PS4.A: Wave Properties PS4.B: Electromagnetic Radiation PS4.C: Information Technologies and Instrumentation	6-Pack and Lesson Plan: <ul style="list-style-type: none"> • How Sound Moves • Message Received! • Shadows • Light Makes a Rainbow 		Complete Kit: <ul style="list-style-type: none"> • Light and Sound 	<ul style="list-style-type: none"> • Standards-Based Investigations: Science Labs Grades K-2 • Strategies for Teaching Science Grades K-5
1-LS1 From Molecules to Organisms: Structures and Processes				
Disciplinary Core Ideas LS1.A: Structure and Function LS1.B: Growth and Development of Organisms LS1.D: Information Processing	6-Pack and Lesson Plan: <ul style="list-style-type: none"> • What Makes a Plant? • Inside a Plant • Raising Babies: What Animal Parents Do 	Complete Kit: <ul style="list-style-type: none"> • Biomes and Ecosystems • The Human Body 	Complete Kit: <ul style="list-style-type: none"> • Animals 	<ul style="list-style-type: none"> • Standards-Based Investigations: Science Labs Grades K-2 • Strategies for Connecting Content and Language: Science • Strategies for Teaching Science Grades K-5
1-LS3 Heredity: Inheritance and Variation of Traits				
Disciplinary Core Ideas LS3.A: Inheritance of Traits LS3.B: Variations of Traits	6-Pack and Lesson Plan: <ul style="list-style-type: none"> • All in the Family 			<ul style="list-style-type: none"> • Standards-Based Investigations: Science Labs Grades K-2 • Strategies for Connecting Content and Language: Science
1-ESS1 Earth's Place in the Universe				
Disciplinary Core Ideas ESS1.A: The Universe and Its Stars ESS1.B: Earth and the Solar System	6-Pack and Lesson Plan: <ul style="list-style-type: none"> • Earth and Moon • Looking Up! • Our Sun 	Complete Kit: <ul style="list-style-type: none"> • Neighbors in Space 	Complete Kit: <ul style="list-style-type: none"> • Space 	<ul style="list-style-type: none"> • Standards-Based Investigations: Science Labs Grades K-2 • Labs Grades K-2 • Strategies for Connecting Content and Language: Science

Performance Expectation by Topic	Teacher Created Materials Aligned Products			Shell Education Aligned Products
	Science Readers: Content and Literacy in Science	Science Readers: A Closer Look	Teaching through Text Sets	
2-PS1 Matter and Its Interactions				
Disciplinary Core Ideas PS1.A: Structure and Properties of Matter PS1.B: Chemical Reactions	6-Pack and Lesson Plan: <ul style="list-style-type: none"> • The Nature of Matter • Rocks and Minerals 	Complete Kit: <ul style="list-style-type: none"> • Basics of Matter 	Complete Kit: <ul style="list-style-type: none"> • Basics of Matter 	<ul style="list-style-type: none"> • Standards-Based Investigations: Science Labs Grades K-2 • Strategies for Connecting Content and Language: Science • Strategies for Building Academic Vocabulary in Science • Strategies for Teaching Science Grades K-5
2-LS2 Ecosystems: Interactions, Energy, and Dynamics				
Disciplinary Core Ideas LS2.A: Interdependent Relationships in Ecosystems ETS1.B: Developing Possible Solutions	6-Pack and Lesson Plan: <ul style="list-style-type: none"> • Pollination 		Complete Kit: <ul style="list-style-type: none"> • Plants 	<ul style="list-style-type: none"> • Standards-Based Investigations: Science Labs Grades K-2 • Strategies for Building Academic Vocabulary in Science • Strategies for Connecting Content and Language: Science • Strategies for Teaching Science Grades K-5
2-LS4 Biological Evolution: Unity and Diversity				
Disciplinary Core Ideas LS4.D: Biodiversity and Humans	6-Pack and Lesson Plan: <ul style="list-style-type: none"> • Habitats • Interdependence of Living Things • Ecosystems 	Complete Kit: <ul style="list-style-type: none"> • Biomes and Ecosystems 		<ul style="list-style-type: none"> • Standards-Based Investigations: Science Labs Grades K-2 • Strategies for Connecting Content and Language: Science • Strategies for Teaching Science Grades K-5
2-ESS1 Earth's Place in the Universe				
Disciplinary Core Ideas ESS1.C: The History of Planet Earth	6-Pack and Lesson Plan: <ul style="list-style-type: none"> • Weathering and Erosion 	Complete Kit: <ul style="list-style-type: none"> • Forces in Nature 	Complete Kit: <ul style="list-style-type: none"> • The Changing Shape of Land 	<ul style="list-style-type: none"> • Strategies for Building Academic Vocabulary in Science
2-ESS2 Earth's Systems				
Disciplinary Core Ideas ESS2.A: Earth Materials and Systems ESS2.B: Plate Tectonics and Large-Scale System Interactions ESS2.C: The Roles of Water in Earth's Surface Processes ETS1.C: Optimizing the Design Solution	6-Pack and Lesson Plan: <ul style="list-style-type: none"> • Weathering and Erosion • Landforms • Water Bodies • Water Cycle 	Complete Kit: <ul style="list-style-type: none"> • Neighbors in Space • Forces in Nature • 6-Pack and Lesson Plan: • Evaporation • Gases 	Complete Kit: <ul style="list-style-type: none"> • Basics of Matter • The Changing Shape of Land 	<ul style="list-style-type: none"> • Standards-Based Investigations: Science Labs Grades K-2 • Strategies for Connecting Content and Language: Science • Strategies for Teaching Science Grades K-5 • Strategies for Building Academic Vocabulary in Science
K-2-ETS1 Engineering Design				
Disciplinary Core Ideas ETS1.A: Defining and Delimiting Engineering Problems ETS1.B: Developing Possible Solutions ETS1.C: Optimizing the Design Solution	6-Pack and Lesson Plan: <ul style="list-style-type: none"> • Weathering and Erosion 			

Performance Expectation by Topic	Teacher Created Materials Aligned Products					Shell Education Aligned Products
	Science Readers: Content and Literacy in Science	Science Readers: A Closer Look	Smithsonian STEAM Readers	Discovering Science through Inquiry	Teaching Through Text Sets	
3-PS2 Motion and Stability: Forces and Interactions						
Disciplinary Core Ideas PS2.A: Forces and Motion PS2.B: Types of Interactions	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Balanced and Unbalanced Forces Electromagnetism 	Complete Kit: <ul style="list-style-type: none"> Forces and Motion Forces in Nature 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Navigating at Sea Saving Culture from Disaster Underwater Training The Wright Brothers From Grass to Bridge 	Complete Kit: <ul style="list-style-type: none"> Forces and Motion Electricity and Magnetism Matter 	Complete Kit: <ul style="list-style-type: none"> Forces and Motion 	<ul style="list-style-type: none"> Standards-Based Investigations: Science Labs Grades 3–5 Strategies for Connecting Content and Language: Science Strategies for Building Academic Vocabulary in Science Strategies for Teaching Science Grades K–5
3-LS1 From Molecules to Organisms: Structures and Processes						
Disciplinary Core Ideas LS1.B: Growth and Development of Organisms	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Life Cycles 	Complete Kit: <ul style="list-style-type: none"> Biomes and Ecosystems 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Raising Clouded Leopards Amphibian Rescue Blue Crab Comeback 	Complete Kit: <ul style="list-style-type: none"> Cells Earth Systems and Cycles Living Organisms 		<ul style="list-style-type: none"> Standards-Based Investigations: Science Labs Grades 3–5 Strategies for Teaching Science Grades K–5 Strategies for Building Academic Vocabulary in Science
3-LS2 Ecosystems: Interactions, Energy, and Dynamics						
Disciplinary Core Ideas LS2.D: Social Interactions and Group Behavior			6-Pack and Lesson Plan: <ul style="list-style-type: none"> Raising Clouded Leopards Restoring Muddy Creek 			
3-LS3 Heredity: Inheritance and Variation of Traits						
Disciplinary Core Ideas LS3.A: Inheritance of Traits LS3.B: Variation of Traits			6-Pack and Lesson Plan: <ul style="list-style-type: none"> Raising Clouded Leopards 	Complete Kit: <ul style="list-style-type: none"> Living Organisms 	Complete Kit: <ul style="list-style-type: none"> Adaptation 	<ul style="list-style-type: none"> Strategies for Teaching Science Grades K–5 Standards-Based Investigations: Science Labs Grades 3–5
3-LS4 Biological Evolution: Unity and Diversity						
Disciplinary Core Ideas LS2.C: Ecosystem Dynamics, Functioning, and Resilience LS4.A: Evidence of Common Ancestry and Diversity LS4.B: Natural Selection LS4.C: Adaptation LS4.D: Biodiversity and Humans	6-Pack and Lesson Plan: <ul style="list-style-type: none"> The Right Environment Traits for Survival 	Complete Kit: <ul style="list-style-type: none"> Biomes and Ecosystems The Human Body 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Raising Clouded Leopards Amphibian Rescue Making a Mummy Blue Crab Comeback 	Complete Kit: <ul style="list-style-type: none"> Rocks and Minerals Biomes and Ecosystems Cells Living Organisms Ecology and the Environment 	Complete Kit: <ul style="list-style-type: none"> Adaptation How Plants and Animals Survive 	<ul style="list-style-type: none"> Standards-Based Investigations: Science Labs Grades 3–5 Strategies for Connecting Content and Language: Science Strategies for Building Academic Vocabulary in Science Strategies for Teaching Science Grades K–5

Performance Expectation by Topic	Teacher Created Materials Aligned Products					Shell Education Aligned Products
	Science Readers: Content and Literacy in Science	Science Readers: A Closer Look	Smithsonian STEAM Readers	Discovering Science through Inquiry	Teaching Through Text Sets	
3-ESS2 Earth's Systems						
Disciplinary Core Ideas ESS2.D: Weather and Climate	6-Pack and Lesson Plan: • Tracking the Weather • Climate		6-Pack and Lesson Plan: • Saving Culture from Disaster	Complete Kit: • Forces in Nature • Living Organisms	Complete Kit: • Climate and Weather	• Strategies for Teaching Science Grades K-5
3-ESS3 Earth and Human Activity						
Disciplinary Core Ideas ESS3.A: Natural Resources ESS3.B: Natural Hazards		6-Pack and Lesson Plan: • Forests • Ponds • Complete Kit: • Forces in Nature	6-Pack and Lesson Plan: • Saving Culture from Disaster • Taking Photos from Space • Predicting Earthquakes		Complete Kit: • Climate and Weather	
3-5-ETS1 Engineering Design						
Disciplinary Core Ideas ETS1.A: Defining and Delimiting Engineering Problems ETS1.B: Developing Possible Solutions ETS1.C: Optimizing the Design Solutions			6-Pack and Lesson Plan: • Raising Clouded Leopards • Amphibian Rescue • Restoring Muddy Creek • Making a Mummy • Navigating at Sea • Saving Culture from Disaster • Underwater Training • Botanical Illustration • The Wright Brothers • Taking Photos from Space • Helping People See • From Grass to Bridge • Predicting Earthquakes • Mapping the Milky Way • Blue Crab Comeback		Complete Kit: • Movement and Energy	

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	Science Readers: Content and Literacy in Science	Science Readers: A Closer Look	Science Readers	Smithsonian STEAM Readers	Discovering Science through Inquiry	Teaching Through Text Sets	
4-PS3 Energy							
Disciplinary Core Ideas PS3.A: Definitions of Energy PS3.B: Conservation of Energy and Energy Transfer PS3.C: Relationship Between Energy and Forces PS3.D: Energy in Chemical Processes and Everyday Life ETS1.A: Defining Engineering Problems	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Electricity Transferring Energy Circuits 	Complete Kit: <ul style="list-style-type: none"> Forces and Motion 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> All About Mechanical Engineering All About Energy 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Designing a Shuttle Electric Vehicles The Science of Waves and Surfboards Powered by Steam Conserving an Aircraft Rebuilding the Body 	Complete Kit: <ul style="list-style-type: none"> Forces and Motion Earth Systems and Cycles Ecology and the Environment Electricity and Magnetism Energy Matter Light and Sound 	Complete Kit: <ul style="list-style-type: none"> Forces and Motion Movement of Energy 	<ul style="list-style-type: none"> Standards-Based Investigations: Science Labs Grades 3–5 Strategies for Connecting Content and Language: Science Strategies for Building Academic Vocabulary in Science Strategies for Teaching Science Grades K–5 Leveled Texts for Science: Physical Science
4-PS4 Waves and Their Applications in Technologies for Information Transfer							
Disciplinary Core Ideas PS4.A: Wave Properties PS4.B: Electromagnetic Radiation PS4.C: Information Technologies and Instrumentation ETS1.C: Optimizing the Design Solution	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Sound Waves and Communication Light and Its Effects 			6-Pack and Lesson Plan: <ul style="list-style-type: none"> Rebuilding the Body Making Movies in Technicolor Tracking a Storm The Science of Waves and Surfboards 	Complete Kit: <ul style="list-style-type: none"> Light and Sound Living Organisms 		
4-LS1 From Molecules to Organisms: Structure and Processes							
Disciplinary Core Ideas LS1.A: Structure and Function LS1.D: Information Processing	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Plant Reproduction Animal Senses Adaptations 	Complete Kit: <ul style="list-style-type: none"> The Human Body 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Looking Inside Cells All About Mitosis and Meiosis Investigating the Human Body 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Designing Butterfly Exhibits Organic Farming Rebuilding the Body Selling More Snacks The Evolution of Space Suits Tracking a Storm 	Complete Kit: <ul style="list-style-type: none"> Biomes and Ecosystems Forces in Nature Living Organisms Light and Sound 	Complete Kit: <ul style="list-style-type: none"> How Plants and Animals Survive 	<ul style="list-style-type: none"> Standards-Based Investigations: Science Labs Grades 3–5 Strategies for Connecting Content and Language: Science Strategies for Building Academic Vocabulary in Science Strategies for Teaching Science Grades K–5 Leveled Texts for Science: Life Science
4-ESS1 Earth's Place in the Universe							
Disciplinary Core Ideas ESS1.C: The History of Planet Earth			6-Pack and Lesson Plan: <ul style="list-style-type: none"> The World of Rocks and Minerals The First Geologists 			Complete Kit: <ul style="list-style-type: none"> Weathering and Erosion 	<ul style="list-style-type: none"> Leveled Texts for Science: Earth and Space Science

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4-ESS2 Earth's Systems							
Disciplinary Core Ideas ESS2.A: Earth Materials and Systems ESS2.B: Plate Tectonics and Large-Scale System Interactions ESS2.E: Biogeology		Complete Kit: <ul style="list-style-type: none"> Forces in Nature 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Investigating Landforms The World of Rocks and Minerals The First Geologists 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Exploring Volcanic Activity Saving the Arctic 	Complete Kit: <ul style="list-style-type: none"> Forces in Nature Rocks and Minerals 	Complete Kit: <ul style="list-style-type: none"> Weathering and Erosion 	<ul style="list-style-type: none"> Standards-Based Investigations: Science Labs Grades 3-5 Strategies for Connecting Content and Language: Science Strategies for Building Academic Vocabulary in Science Leveled Texts for Science: Physical Science
4-ESS3 Earth and Human Activity							
Disciplinary Core Ideas ESS3.A: Natural Resources ESS3.B: Natural Hazards ETS1.B: Designing Solutions to Engineering Problems	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Our Resources The Story of Fossil Fuels 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Forests Ponds Complete Kit: <ul style="list-style-type: none"> Forces in Nature 		6-Pack and Lesson Plan: <ul style="list-style-type: none"> Electric Vehicles Exploring Volcanic Activity Saving the Arctic 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Earth Systems and Cycles Ecology and the Environment Electricity and Magnetism Energy 	Complete Kit: <ul style="list-style-type: none"> Movement of Energy Climate and Weather Weathering and Erosion 	<ul style="list-style-type: none"> Strategies for Building Academic Vocabulary in Science
3-5 ETS1 Engineering Design							
Disciplinary Core Ideas ETS1.A: Defining and Delimiting Engineering Problems ETS1.B: Developing Possible Solutions ETS1.C: Optimizing the Design Solutions	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Circuits Sound Waves and Communication Light and Its Effects 			6-Pack and Lesson Plan: <ul style="list-style-type: none"> Designing Butterfly Exhibits Organic Farming Saving the Arctic Powered by Steam The Culture of Calendars Conserving an Aircraft Rebuilding the Body Making Movies in Technicolor Selling More Snacks The Evolution of Space Suits Designing a Shuttle Electric Vehicles Exploring Volcanic Activity Tracking a Storm The Science of Waves and Surfboards 		Complete Kit: <ul style="list-style-type: none"> Movement of Energy 	

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5-PS1 Matter and Its Interactions							
Disciplinary Core Ideas PS1.A: Structure and Properties of Matter PS1.B: Chemical Reactions	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Composition of Matter Conservation of Mass Chemical Reactions Mixtures and Solutions 	Complete Kit: <ul style="list-style-type: none"> Basics of Matter 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Investigating the Chemistry of Atoms Inside the World of Matter 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Digging Up Dinosaurs Color-Changing Cephalopods Thomas Edison: Lighting a Revolution The Science of Glass Making an Ocean Ecosystem 	Complete Kit: <ul style="list-style-type: none"> Electricity and Magnetism Matter 	Complete Kit: <ul style="list-style-type: none"> Changing Matter 	<ul style="list-style-type: none"> Standards-Based Investigations: Science Labs Grades 3–5 Strategies for Connecting Content and Language: Science Leveled Texts for Science: Physical Science Strategies for Teaching Science Grades K–5
5-PS2 Motion and Stability: Forces and Interactions							
Disciplinary Core Ideas PS2.B: Types of Interactions				6-Pack and Lesson Plan: <ul style="list-style-type: none"> Inka Terraces Living and Working in Space The Art and Science of Skateboarding 	Complete Kit: <ul style="list-style-type: none"> Forces and Motion Matter 		<ul style="list-style-type: none"> Standards-Based Investigations: Science Labs Grades 3–5 Leveled Texts for Science: Physical Science
5-PS3 Energy							
Disciplinary Core Ideas PS3.D: Energy in Chemical Processes and Everyday Life LS1.C: Organization for Matter and Energy Flow in Organisms	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Life and Flow of Energy Life and Non-Life in an Ecosystem Digestion and Using Food 		6-Pack and Lesson Plan: <ul style="list-style-type: none"> Inside Ecosystems and Biomes The World of Plants 		Complete Kit: <ul style="list-style-type: none"> Biomes and Ecosystems Earth Systems and Cycles Energy Living Organisms 	Complete Kit: <ul style="list-style-type: none"> Energy of Ecosystems 	<ul style="list-style-type: none"> Standards-Based Investigations: Science Labs Grades 3–5 Strategies for Connecting Content and Language: Science Strategies for Building Academic Vocabulary in Science Strategies for Teaching Science Grades K–5 Leveled Texts for Science: Physical Science Leveled Texts for Science: Life Science

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5-LS1 From Molecules to Organisms: Structures and Processes							
Disciplinary Core Ideas LS1.C: Organization of Matter and Energy Flow in Organisms	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Life and Non-Life in an Ecosystem 		6-Pack and Lesson Plan: <ul style="list-style-type: none"> Inside Ecosystems and Biomes The World of Plants 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Life in a Cube Plant Invaders 	Complete Kit: <ul style="list-style-type: none"> Biomes and Ecosystems Earth Systems and Cycles 	Complete Kit: <ul style="list-style-type: none"> Energy of Ecosystems 	<ul style="list-style-type: none"> Standards-Based Investigations: Science Labs Grades 3–5 Strategies for Connecting Content and Language: Science Strategies for Building Academic Vocabulary in Science Strategies for Teaching Science Grades K–5 Leveled Texts for Science: Life Science
5-LS2 Ecosystems: Interactions, Energy, and Dynamics							
Disciplinary Core Ideas LS2.A: Interdependent Relationships in Ecosystems LS2.B: Cycles of Matter and Energy Transfer in Ecosystems	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Life and Non-Life in an Ecosystem 		6-Pack and Lesson Plan: <ul style="list-style-type: none"> Inside Ecosystems and Biomes The World of Plants 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Plant Invaders Making an Ocean Ecosystem Saving a Species Living and Working in Space 	Complete Kit: <ul style="list-style-type: none"> Biomes and Ecosystems Earth Systems and Cycles Living Organisms 	Complete Kit: <ul style="list-style-type: none"> Energy of Ecosystems 	<ul style="list-style-type: none"> Leveled Texts for Science: Life Science Standards-Based Investigations: Science Labs Grades 3–5 Strategies for Connecting Content and Language: Science Strategies for Building Academic Vocabulary in Science
5-ESS1 Earth's Place in the Universe							
Disciplinary Core Ideas ESS1.A: The Universe and Its Stars ESS1.B: Earth and the Solar System	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Stars 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Earth Planets 	Complete Kit: <ul style="list-style-type: none"> Earth and Space Science 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Guided by Stars 	Complete Kit: <ul style="list-style-type: none"> Earth Systems and Cycles The Solar System 		<ul style="list-style-type: none"> Standards-Based Investigations: Science Labs Grades 3–5 Leveled Texts for Science: Earth and Space Science
5-ESS2 Earth's Systems							
Disciplinary Core Ideas ESS2.A: Earth Materials and Systems ESS2.C: The Roles of Water in Earth's Surface Processes	6-Pack and Lesson Plan: <ul style="list-style-type: none"> The Four Spheres of Earth The Powerful Ocean 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Gases Evaporation Complete Kit: Forces in Nature 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Inside Ecosystems and Biomes Complete Kit: Earth and Space Science 	6-Pack and Lesson Plan: <ul style="list-style-type: none"> Guided by Stars Plant Invaders Making an Ocean Ecosystem Life in a Cube Saving Migratory Birds Inka Terraces 	Complete Kit: <ul style="list-style-type: none"> Earth Systems and Cycles Forces in Nature Rocks and Minerals 	Complete Kit: <ul style="list-style-type: none"> Weathering and Erosion 	<ul style="list-style-type: none"> Standards-Based Investigations: Science Labs Grades 3–5 Leveled Texts for Science: Earth and Space Science Strategies for Connecting Content and Language: Science Strategies for Building Academic Vocabulary in Science Strategies for Teaching Science Grades K–5

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5-ESS3 Earth and Human Activity							
Disciplinary Core Ideas ESS3.C: Human Impacts on Earth Systems	6-Pack and Lesson Plan: • Global Warming	Complete Kit: • Biomes and Ecosystems		6-Pack and Lesson Plan: • Saving a Species • Life in a Cube • Inka Terraces • Designing National Parks • Plant Invaders • Making an Ocean Ecosystem	Complete Kit: • Earth Systems and Cycles • Ecology and the Environment • Electricity and Magnetism • Energy		• Strategies for Building Academic Vocabulary in Science • Standards-Based Investigations: Science Labs Grades 3-5
3-5 ETS1 Engineering Design							
Disciplinary Core Ideas ETS1.A: Defining and Delimiting Engineering Problems ETS1.B: Developing Possible Solutions ETS1.C: Optimizing the Design Solutions				6-Pack and Lesson Plan: • Making Music with Magnets • Color-Changing Cephalopods • Thomas Edison: Lighting a Revolution • The Science of Glass • The Art and Science of Skateboarding • Guided by Stars • Plant Invaders • Making an Ocean Ecosystem • Saving a Species • Life in a Cube • Saving Migratory Birds • Digging Up Dinosaurs • Inka Terraces • Designing National Parks • Living and Working in Space		Complete Kit: • Movement and Energy	