

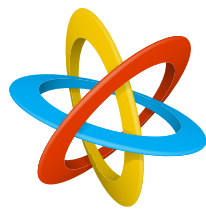
Exploring Science

Aligned to the CA Science Framework and NGSS

Grade
K



Instructional Segment	Standard	6-pack Item Number	Resource Title	Series Title	Guided Reading Level	Lexile® Level	
Plant and Animal Needs	K-LS1-1. Use observations to describe patterns of what plants and animals (including humans) need to survive.	21544	What Do Living Things Need?	Science Readers	C	40L	
		21543	Seeds	Science Readers	E	160L	
		21549	Nature Made	Science Readers	F	50L	
		24505	Good Work: Plant Life	TIME For Kids Nonfiction Readers	LB	NP	
Animals and Plants Can Change Their Environment	K-ESS3-3. Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.	21555	Too Much Trash!	Science Readers	C	BR	
		21594	We Recycle	Science Readers	I	480L	
		24506	Good Work: Our Earth	TIME For Kids Nonfiction Readers	LB	NP	
Weather Patterns	K-2-ETS1-1. Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.	24507	Good Work: Simple Tools	TIME For Kids Nonfiction Readers	LB	NP	
		K-ESS2-1. Use and share observations of local weather conditions to describe patterns over time.	21551	What Is the Weather?	Science Readers	C	BR
			21552	Changing Weather	Science Readers	LB	BR
			14812	Weather	TIME For Kids Nonfiction Readers	E	BR
			12848	What Kind of Weather?	Early Childhood Themes	H	AD340L
Pushes and Pulls	K-PS3-1. Make observations to determine the effect of sunlight on Earth's surface.	21550	Here Comes the Sun	Science Readers	C	20L	
		24491	What the Sun Can Do	TIME For Kids Nonfiction Readers	WB	NP	
		12848	What Kind of Weather?	Early Childhood Themes	H	AD340L	
Pushes and Pulls	K-PS2-1. Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object.	24490	Pushes and Pulls	TIME For Kids Nonfiction Readers	WB	NP	



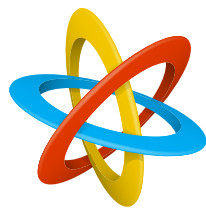
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Grade
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Instructional Segment	Standard	6-pack Item Number	Resource Title	Series Title	Guided Reading Level	Lexile® Level
Plant Shapes	1-LS3-1. Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents.	21581	Inside a Plant	Science Readers	L	400L
	1-LS1-1. Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs.	21583	Growth and Change	Science Readers	I	300L
		14814	How Plants Grow	TIME For Kids Nonfiction Readers	F	110L
Animal Sounds	1-LS3-1. Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents.	21584	All in the Family	Science Readers	N	420L
		14819	A Bee's Life	TIME For Kids Nonfiction Readers	H	260L
	1-LS1-2. Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive.	21582	Raising Babies: What Animal Parents Do	Science Readers	J	420L
		14816	Animal Mothers and Babies	TIME For Kids Nonfiction Readers	F	460L
	1-PS4-1. Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.	21585	How Sound Moves	Science Readers	K	560L
21586		Message Received!	Science Readers	K	470L	
Shadows and Light	1-PS4-2. Make observations to construct an evidence-based account that objects can be seen only when illuminated.	21587	Light Makes a Rainbow	Science Readers	K	380L
		21587	Light Makes a Rainbow	Science Readers	K	380L
	1-PS4-3. Plan and conduct an investigation to determine the effect of placing objects made with different materials in the path of a beam of light.	21588	Shadows	Science Readers	H	210L
Patterns of Motion of Objects in the Sky	1-ESS1-1. Use observations of the sun, moon, and stars to describe patterns that can be predicted.	21592	Earth and Moon	Science Readers	J	470L
		21593	Looking Up!	Science Readers	J	320L
		21591	Our Sun	Science Readers	H	350L
	1-ESS1-2. Make observations at different times of year to relate the amount of daylight to the time of year.	21590	The Seasons	Science Readers	J	320L
		21591	Our Sun	Science Readers	H	350L

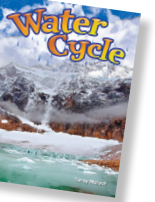
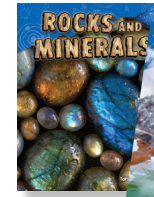
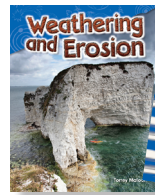
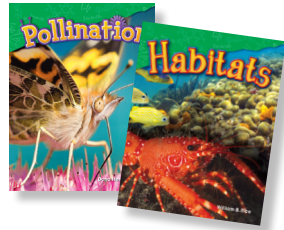


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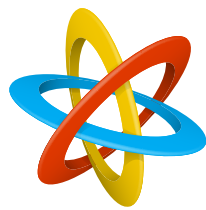


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Grade
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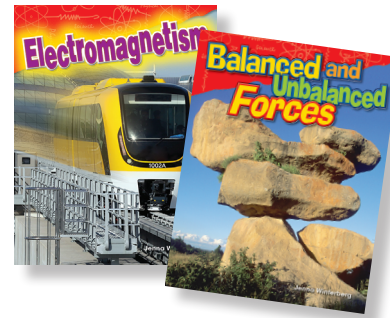
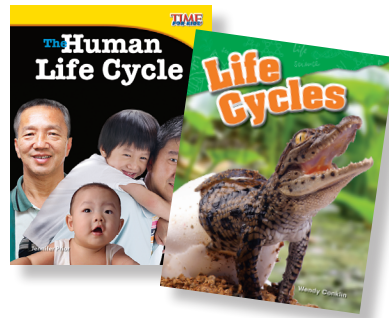
Instructional Segment	Standard	6-pack Item Number	Resource Title	Series Title	Guided Reading Level	Lexile® Level
Landscape Shapes	2-ESS2-3. Obtain information to identify where water is found on Earth and that it can be solid or liquid.	21633	Water Cycle	Science Readers	O	360L
		21630	Water Bodies	Science Readers	O	310L
	2-ESS2-2. Develop a model to represent the shapes and kinds of land and bodies of water in an area.	21629	Landforms	Science Readers	P	520L
		14813	Water	TIME For Kids Nonfiction Readers	D	50L
Landscape Materials	2-PS1-1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.	21631	Rocks and Minerals	Science Readers	S	500L
	2-PS1-3. Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object.	21631	Rocks and Minerals	Science Readers	S	500L
	2-PS1-4. Construct an argument with evidence that some changes in matter, caused by mixing, heating, or cooling can be reversed and some cannot.	21631	Rocks and Minerals	Science Readers	S	500L
Landscape Changes	2-ESS1-1. Use information from several sources to provide evidence that Earth events can occur quickly or slowly.	21632	Weathering and Erosion	Science Readers	S	460L
		18639	Our Ever-Changing Environment	Primary Source Readers	R	650L
		14838	Earthquakes!	TIME For Kids Nonfiction Readers	M	490L
		14839	Tornadoes and Hurricanes!	TIME For Kids Nonfiction Readers	M	660L
		14840	Volcanoes!	TIME For Kids Nonfiction Readers	M	660L
2-ESS2-1. Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land.	21632	Weathering and Erosion	Science Readers	S	460L	
Biodiversity in Landscapes	2-LS2-1. Plan and conduct an investigation to determine if plants need sunlight and water to grow.	21580	What Makes a Plant?	Science Readers	J	490L
	2-LS4-1. Make observations of plants and animals to compare the diversity of life in different habitats.	21622	Habitats	Science Readers	N	460L
		21621	Ecosystems	Science Readers	P	420L
		28717	Counting: Earth's Biomes	TIME For Kids Exploring Reading	P	530L
	2-LS2-2. Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.	21619	Pollination	Science Readers	N	450L



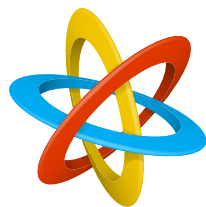
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Instructional Segment	Standard	6-pack Item Number	Resource Title	Series Title	Guided Reading Level	Lexile® Level
Playground Forces	3-PS2-1. Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.	21667	Balanced and Unbalanced Forces	Science Readers	V	660L
	3-PS2-2. Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion.	21628	Motion	Science Readers	T	570L
	3-PS2-3. Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other.	21666	Electromagnetism	Science Readers	U	620L
	3-PS2-4. Define a simple design problem that can be solved by applying ideas about magnets.	21666	Electromagnetism	Science Readers	U	620L
Life Cycles for Survival	3-LS1-1. Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death.	21658	Life Cycles	Science Readers	P	630L
	3-LS3-1. Analyze and interpret data to provide evidence that plants and animals have traits inherited from parents and that variation of these traits exists in a group of similar organisms.	14885	The Human Life Cycle	TIME For Kids Nonfiction Readers	S	730L
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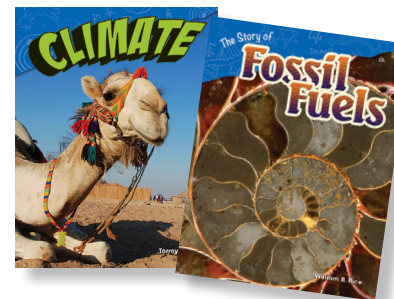
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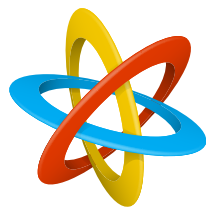
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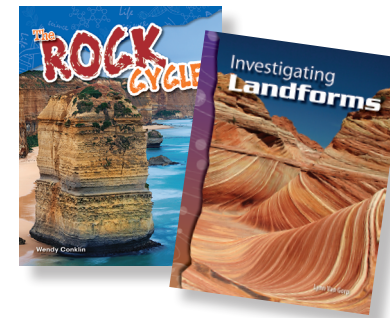
Instructional Segment	Standard	6-pack Item Number	Resource Title	Series Title	Guided Reading Level	Lexile® Level
Surviving in Different Environment	3-LS3-2. Use evidence to support the explanation that traits can be influenced by the environment.	21660	Traits for Survival	Science Readers	R	740L
		21662	The Right Environment	Science Readers	Q	670L
	3-LS4-1. Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago.	21711	The Story of Fossil Fuels	Science Readers	V	740L
		3-LS4-3. Construct an argument with evidence that in a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all.	21660	Traits for Survival	Science Readers	R
	21662		The Right Environment	Science Readers	Q	670L
	21623		Environment: A World of Change	Science Readers	O	520L
	3-LS4-4. Make a claim about the merit of a solution to a problem caused when the environment changes and the types of plants and animals that live there may change.	18638	Shaping Our Environment	Primary Source Readers	R	550L
3-5-ETS1-2. Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.	21671	People and the Planet	Science Readers	Q	640L	
Weather Impacts	3-ESS2-1. Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season.	21669	Tracking the Weather	Science Readers	R	720L
		21670	Climates	Science Readers	Q	660L
	3-ESS2-2. Obtain and combine information to describe climates in different regions of the world.		11110	Inside Ecosystems and Biomes	Science Readers	T
3-ESS3-1. Make a claim about the merit of a design solution that reduces the impacts of a weather-related hazard.	21668	Extreme Weather	Science Readers	Q	640L	



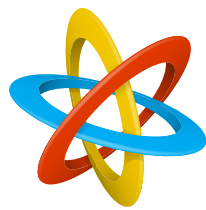
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Instructional Segment	Standard	6-pack Item Number	Resource Title	Series Title	Guided Reading Level	Lexile® Level
Car Crashes	4-PS3-1. Use evidence to construct an explanation relating the speed of an object to the energy of that object.	11096	All About Mechanical Engineering	Science Readers	Y	770L
		12762	The Quest for Speed: Vehicles	Science Readers	S	760L
	4-PS3-3. Ask questions and predict outcomes about the changes in energy that occur when objects collide.	11096	All About Mechanical Engineering	Science Readers	Y	770L
		12762	The Quest for Speed: Vehicles	Science Readers	S	760L
Renewable Energy	4-ESS3-1. Obtain and combine information to describe that energy and fuels are derived from natural resources and their uses affect the environment.	21710	Our Resources	Science Readers	S	730L
		18643	Our Natural Resources	Primary Source Readers	Q	600L
	4-PS3-2. Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents.	21704	Transferring Energy	Science Readers	T	700L
		21702	Electricity	Science Readers	Y	690L
		21703	Circuits	Science Readers	Y	750L
		21703	Circuits	Science Readers	Y	750L
Sculpting Landscapes	4-ESS1-1. Identify evidence from patterns in rock formations and fossils in rock formations and fossils in rock layers for changes in a landscape over time to support an explanation for changes in a landscape over time.	11076	Investigating Landforms	Science Readers	T	690L
		21709	The Rock Cycle	Science Readers	T	750L
	4-ESS2-1. Make observations and/or measurements to provide evidence of the effects of weathering or the rate of erosion by water, ice, wind, or vegetation.	11076	Investigating Landforms	Science Readers	T	690L
		11076	Investigating Landforms	Science Readers	T	690L
		15891	Hand to Earth: Saving the Environment	TIME For Kids Nonfiction Readers	T	680L



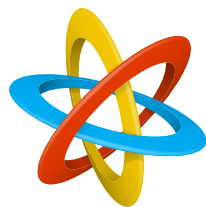
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Grade
4



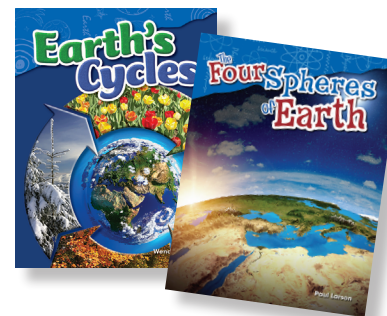
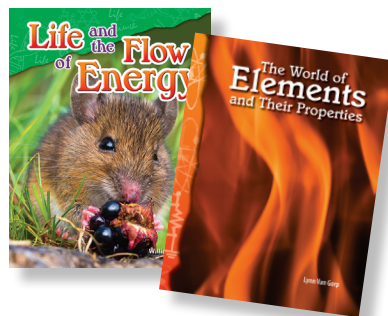
Instructional Segment	Standard	6-pack Item Number	Resource Title	Series Title	Guided Reading Level	Lexile® Level
Earthquake Engineering	4-ESS2-2. Analyze and interpret data from maps to describe patterns of Earth's features.	12766	Earthquakes	Science Readers	S	680L
	4-ESS3-2. Generate and compare multiple solutions to reduce the impacts of natural Earth processes on humans.	12766	Earthquakes	Science Readers	S	680L
		15889	Hand to Heart: Improving Communities	TIME For Kids Nonfiction Readers	T	680L
	4-PS4-1. Develop a model of waves to describe patterns in terms of amplitude and wavelength and that waves can cause objects to move.	12766	Earthquakes	Science Readers	S	680L
Animal Senses	4-LS1-1. Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.	21697	Plant Reproduction	Science Readers	Y	700L
		21700	Adaptations	Science Readers	U	770L
	4-LS1-2. Use a model to describe that animals receive different types of information through their senses, process the information in their brain, and respond to the information in different ways.	21699	Animal Senses	Science Readers	Q	780L



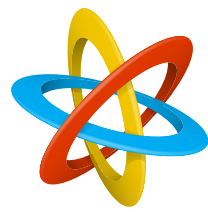
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5



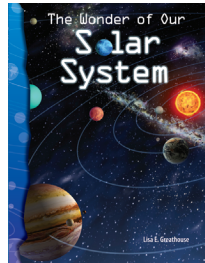
Instructional Segment	Standard	6-pack Item Number	Resource Title	Series Title	Guided Reading Level	Lexile® Level
What Is Matter Made Of?	5-PS1-1. Develop a model to describe that matter is made of particles too small to be seen.	21741	Composition of Matter	Science Readers	Z	810L
	5-PS1-2. Measure and graph quantities to provide evidence that regardless of the type of change that occurs when heating, cooling, or mixing substances, the total weight of matter is conserved.	21743	Conservation of Mass	Science Readers	X	720L
	5-PS1-3. Make observations and measurements to identify materials based on their properties.	21741	Composition of Matter	Science Readers	Z	810L
		11100	The World of Elements and Their Properties	Science Readers	Y	730L
	5-PS1-4. Conduct an investigation to determine whether the mixing of two or more substances results in new substances.	21742	Mixtures and Solutions	Science Readers	Y	740L
		21745	Chemical Reactions	Science Readers	Y	720L
From Matter to Organisms	5-LS1-1. Support an argument that plants get the materials they need for growth chiefly from air and water.	21737	Life and Non-Life in an Ecosystem	Science Readers	T	800L
	5-LS2-1. Develop a model to describe the movement of matter among plants, animals decomposers, and the environment.	21736	Life and the Flow of Energy	Science Readers	W	750L
	5-PS3-1. Use models to describe that energy in animals' food (used for body repair, growth, motion, and to maintain body warmth) was once energy from the sun.	21736	Life and the Flow of Energy	Science Readers	W	750L
		21738	Digestion and Using Food	Science Readers	V	830L
Interacting Earth Systems	5-ESS2-1. Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact.	21707	Earth's Cycles	Science Readers	W	700L
		21746	The Four Spheres of Earth	Science Readers	V	770L
	5-ESS2-2. Describe and graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth.	21747	The Powerful Ocean	Science Readers	S	780L
	5-ESS3-1. Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment.	11084	Spaceship Earth	Science Readers	T	670L



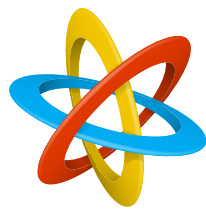
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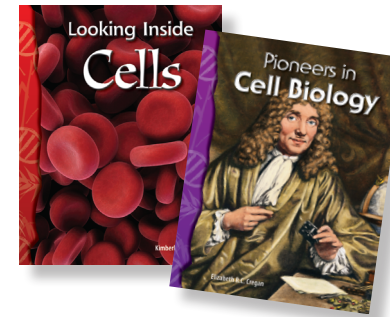
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Patterns in the Night Sky	5-ESS1-1. Support an argument that differences in the apparent brightness of the sun compared to other stars is due to their relative distance from Earth.	21749	Stars	Science Readers	V	860L
	5-ESS1-2. Represent data in graphical displays to reveal patterns of daily changes in the length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky.	21749	Stars	Science Readers	V	860L
		11080	The Wonder of Our Solar System	Science Readers	S	730L
	5-PS2-1. Support an argument that the gravitational force exerted by Earth on objects is directed down.	21748	The Milky Way: A River of Stars	Science Readers	W	790L
		11080	The Wonder of Our Solar System	Science Readers	S	730L



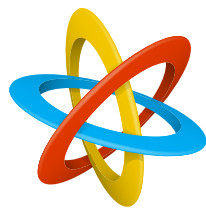
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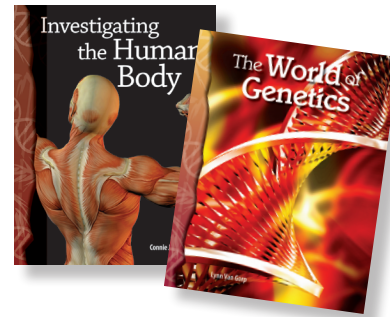
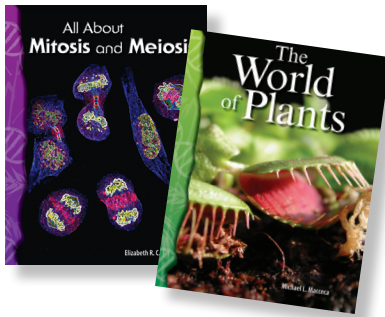
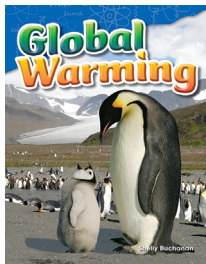
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Systems and Subsystems in Earth and Life Science	MS-LS1-1. Conduct an investigation to provide evidence that living things are made of cells; either one cell or many different numbers and types of cells.	21739	Cells	Science Readers	X	770L
		11102	Looking Inside Cells	Science Readers	Y	610L
	MS-LS1-2. Develop and use a model to describe the function of a cell as a whole and ways parts of cells contribute to the function.	21739	Cells	Science Readers	X	770L
		11102	Looking Inside Cells	Science Readers	Y	610L
		11105	Pioneers in Cell Biology	Science Readers	V	580L
	MS-LS1-3. Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.	21739	Cells	Science Readers	X	770L
	MS-LS1-8. Gather and synthesize information that sensory receptors respond to stimuli by sending messages to the brain for immediate behavior or storage as memories.	21739	Cells	Science Readers	X	770L
		11102	Looking Inside Cells	Science Readers	Y	610L
Earth Systems Interactions Cause Weather	MS-ESS2-4. Develop a model to describe the cycling of water through Earth's systems driven by energy from the sun and the force of gravity.	11074	Inside the Water Cycle	Science Readers	U	740L
	MS-ESS2-6. Develop and use a model to describe how unequal heating and rotation of the Earth cause patterns of atmospheric and oceanic circulation that determine regional climates.	11071	Weather Scientists	Science Readers	S	690L
	MS-PS3-4. Plan an investigation to determine the relationships among the energy transferred, the type of matter, the mass, and the change in the average kinetic energy of the particles as measured by the temperature of the sample.	11090	All About Energy	Science Readers	W	750L



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Instructional Segment	Standard	6-pack Item Number	Resource Title	Series Title	Guided Reading Level	Lexile® Level
Causes and Effects on Regional Climates	MS-ESS2-5. Collect data to provide evidence for how the motions and complex interactions of air masses results in changes in weather conditions.	11070	Investigating Storms	Science Readers	S	690L
	MS-LS1-4. Use argument based on empirical evidence and scientific reasoning to support an explanation for how characteristic animal behaviors and specialized plant structures affect the probability of successful reproduction of animals and plants respectively.	11108	The World of Plants	Science Readers	R	710L
		11112	The World of Animals	Science Readers	U	570L
	MS-LS1-5. Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms.	21740	DNA	Science Readers	Y	820L
		11116	The World of Genetics	Science Readers	Y	690L
		11117	Gregor Mendel: Genetics Pioneer	Science Readers	V	660L
	MS-LS1-8. Gather and synthesize information that sensory receptors respond to stimuli by sending messages to the brain for immediate behavior or storage as memories.	11114	Investigating the Human Body	Science Readers	U	570L
	MS-LS3-2. Develop and use a model to describe why asexual reproduction results in offspring with identical genetic information and sexual reproduction results in offspring with genetic variation.	11104	All About Mitosis and Meiosis	Science Readers	Z	650L
11116		The World of Genetics	Science Readers	Y	690L	
Effects of Global Warming on Living Systems	MS-ESS3-3. Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.	21750	Global Warming	Science Readers	V	810L
	MS-ESS3-5. Ask questions to clarify evidence of the factors that have caused the rise in global temperatures over the past century.	21750	Global Warming	Science Readers	V	810L
	MS-ETS1-1. Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.	21750	Global Warming	Science Readers	V	810L