National Geographic Panorama

SCIENCE LITERATURE

Engage your readers through the lens of science with National Geographic Panorama!
Introducing National Geographic Panorama: Science

Reading through the lens of science, Grades K-6

• Increase reading levels by differentiating instruction instead of the text
• Cover reading and science standards in one lesson
• Save teachers valuable classroom time

The following literature includes:

• Engaging authentic fiction and National Geographic nonfiction that will motivate students
• All titles available in digital and print versions
• Lower Lexile® versions of nonfiction texts (grades 3–6)
• Scaffolds and differentiation to help students access the text
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### LEGEND

Book information is displayed in the following sequence:

- **English cover**
- **Titles (s)**
- **ISBN**
- **Science Strand**
- **Unit**
- **Book Description**
- **Fiction/Non-Fiction**
- **Lexile®**
- **Guided Reading**
A Wolf’s World
9781337481212
Life Science
Unit 1
Students will learn how wolves and fir trees have basic needs, as opposed to the nonliving things in their environment.
Non-Fiction
Lexile®: 400L
Guided Reading: K

Wild Animals in the City
9781337482394
Life Science
Unit 1
Wild animals adapt to the unusual habitat of the city, where they are able to find the food and shelter they need.
Non-Fiction
Lexile®: 530L
Guided Reading: J

Meerkats
9781337481434
Life Science
Unit 1
Living together in “mobs” help meerkats survive in the burrows of the desert.
Non-Fiction
Lexile®: 320L
Guided Reading: I

Diary of a Wombat
9781337690621
Life Science
Unit 1
In Australia, a wombat writes about how she spends her days. Conflict arises though when a human family moves into her territory.
Fiction
Lexile®: 170L
Guided Reading: M

Octopus Alone
9781337686853
Life Science
Unit 1
An octopus feels lonely as she travels away from home in this illustrated story.
Fiction
Lexile®: AD590L
Guided Reading: N

What Plants Need
9781337482172
Life Science
Unit 2
Three articles explain what tomato plants, trees, and meat-eating plants need in order to survive.
Non-Fiction
Lexile®: 400L
Guided Reading: H

How Plants Work
9781337482189
Life Science
Unit 2
Three articles tell about the parts of plants, such as the roots and the stem, that help them grow and survive.
Non-Fiction
Lexile®: 330L
Guided Reading: K

Plants
9781337481236
Life Science
Unit 2
The similarities and differences of many kinds of plants are discussed in this book.
Non-Fiction
Lexile®: 390L
Guided Reading: K

The Ugly Vegetables
9781337709972
Life Science
Unit 2
This is the story of a girl and her mother who plant Chinese vegetables while their neighbors plant flowers.
Fiction
Lexile®: 390L
Guided Reading: L

Lola Plants a Garden
9781337623513
Life Science
Unit 2
Lola’s favorite poem, “Mary, Mary,” inspires her to make a flower garden in this illustrated story.
Fiction
Lexile®: AD530L
Guided Reading: I

We Need More Trees!
9781337481182
Life Science
Unit 3
This book explains how trees are important to people and animals for a variety of reasons and how people should make an effort to plant more trees.
Non-Fiction
Lexile®: 460L
Guided Reading: K

Ants
9781337481410
Life Science
Unit 3
This book describes ants and how they help our environment by benefiting plants and other animals.
Non-Fiction
Lexile®: 470L
Guided Reading: J
Animals Change Their Environment
9781337482165
Life Science
Unit 3
Two articles tell about how beavers and coral polyps change their respective environments and help other living things in the process.
Non-Fiction
Lexile®: 400L
Guided Reading: K

The Legend of the Beaver's Tail
9781337554671
Life Science
Unit 3
This legend tells of how Beaver spent his time bragging about his thick tail, only to have it flattened by a tree after he drove his friends away.
Fiction
Lexile®: 740L
Guided Reading: N

Flower Garden
9781337630405
Life Science
Unit 3
Rhyming verse is used to narrate the steps a girl and her dad take to create a window box of flowers.
Fiction
Lexile®: AD460L
Guided Reading: J

Take Care of Earth!
9781337481175
Life Science
Unit 4
This book explains how natural resources are vital to all living things. Humans must protect these resources so they don't run out.
Non-Fiction
Lexile®: 480L
Guided Reading: L

Koalas
9781337481403
Life Science
Unit 4
Koalas and their habitat of eucalyptus trees in Australia are discussed in this book.
Non-Fiction
Lexile®: 530L
Guided Reading: J

Where Once There Was a Wood
9781337625524
Life Science
Unit 4
This illustrated poem details the building of a housing development that changes the environment where animals live.
Fiction
Lexile®: NP
Guided Reading: M

Weather and Seasons
9781337481199
Earth Science
Unit 5
This book describes how weather can change from day to day and season to season and how tools like a thermometer can help us measure the weather.
Non-Fiction
Lexile®: 450L
Guided Reading: J

A Warm Place
9781337481205
Earth Science
Unit 5
Florida is a warm place, but this book explains the weather can still change there from day to day and even from hour to hour.
Non-Fiction
Lexile®: 480L
Guided Reading: M

Weather
9781337481427
Earth Science
Unit 5
Summaries of a variety of weather conditions, and how they affect us, are explained in this book.
Non-Fiction
Lexile®: 330L
Guided Reading: I

The Snowy Day
9781337686815
Earth Science
Unit 5
After waking up one morning to see snow covering everything, Peter spends the day having adventures outside.
Fiction
Lexile®: AD500L
Guided Reading: J
Geoffrey Groundhog Predicts the Weather
9781337565387
Earth Science Unit 5
In this story, Geoffrey Groundhog leaves his burrow every February to predict early or late spring weather.
Fiction
Lexile®: 550L
Guided Reading: M

How Things Move
9781337481243
Physical Science Unit 6
This book tells how things can move in many different ways. They can roll, slide, spin, and vibrate and be moved with a push or a pull.
Non-Fiction
Lexile®: 430L
Guided Reading: J

Pushes and Pulls
9781337481250
Physical Science Unit 6
This book provides information on how objects need a force, such as a push or a pull, in order to move.
Non-Fiction
Lexile®: 390L
Guided Reading: M

Tractors on the Farm Push and Pull
9781337481267
Physical Science Unit 6
Forces can push and pull and can make tractors and other objects move in different directions.
Non-Fiction
Lexile®: 360L
Guided Reading: J

Oscar and the Cricket
9781337690607
Physical Science Unit 6
With the help of his friend Cricket, Oscar learns about different ways a ball can move.
Fiction
Lexile®: AD500L
Guided Reading: M

Tommy Can't Stop
9781337695480
Physical Science Unit 6
Tommy's family suggest he join a dance class to harness his seemingly endless energy in this story.
Fiction
Lexile®: AD450L
Guided Reading: L
What Are They Good For?
9781337481281
Life Science
Unit 1
This provides an overview of how Prairie animals use their special body parts to protect themselves, move, and find food.
Non-Fiction
Lexile®: 200L
Guided Reading: G

Eat or Be Eaten
9781337481298
Life Science
Unit 1
Desert animals use their special body parts to protect themselves and to find food in the harsh climate.
Non-Fiction
Lexile®: 380L
Guided Reading: J

What Did One Elephant Say to the Other?
9781337481458
Life Science
Unit 1
From their big, floppy ears to the tips of their trunks, elephants have many ways to say what's on their minds.
Non-Fiction
Lexile®: 670L
Guided Reading: J

Slither, Snake!
9781337481465
Life Science
Unit 1
In this book, text and photographs are used to show how snakes use different body parts to move, smell, hunt, and warn other animals of their presence.
Non-Fiction
Lexile®: 170L
Guided Reading: F

Churchill's Tale of Tails
9781561457823
Life Science
Unit 1
Churchill the pig loses his tail and must go on a quest with his fellow animal friends to find a new one.
Fiction
Lexile®: AD420L
Guided Reading: M

Stellaluna
9781337566605
Life Science
Unit 1
A young bat must learn to behave like a bird in order to survive after being separated from her mother.
Fiction
Lexile®: AD550L
Guided Reading: N

Baby Animals
9781337481496
Life Science
Unit 2
In this book, students learn about different baby animals, including where they live, what they eat, and how they move.
Non-Fiction
Lexile®: 510L
Guided Reading: J

Adult and Baby Animals
9781337481304
Life Science
Unit 2
This provides an overview of a variety of adult and baby animals and a look at the ways in which they are alike and different.
Non-Fiction
Lexile®: 240L
Guided Reading: H

Whose Babies Are These?
9781337481311
Life Science
Unit 2
As baby birds grow, they begin to look more like their parents.
Non-Fiction
Lexile®: 470L
Guided Reading: L

Penguins
97813373481502
Life Science
Unit 2
In this book, students will learn how penguins take care of their hatchlings so that they can survive in the frozen land of Antarctica.
Non-Fiction
Lexile®: 700L
Guided Reading: L

The Crocodile Who Didn't Like Water
9781337794879
Life Science
Unit 2
This is the story of a crocodile who, unlike his siblings, doesn't like water and would much rather climb trees.
Fiction
Lexile®: AD420L
Guided Reading: L

Make Way for Ducklings
9781337686808
Life Science
Unit 2
A pair of ducks looks for a home to raise their ducklings in this classic illustrated story.
Fiction
Lexile®: AD630L
Guided Reading: L
Giraffes
9781337481519
Life Science
Unit 3
The life and characteristics of giraffes are explored as well as the ways in which giraffes are alike and different.
Non-Fiction
Lexile®: 540L
Guided Reading: J

A Friend for Lakota
9781337481526
Life Science
Unit 3
In this true story, a wolf is different from the others in his pack and is bullied as a result. However, another wolf helps him and things change.
Non-Fiction
Lexile®: 620L
Guided Reading: M

Ponies
9781337481533
Life Science
Unit 3
The differences and similarities between ponies are discussed in this book through images and words.
Non-Fiction
Lexile®: 440L
Guided Reading: I

Yukon Sled Dog
9781337626415
Life Science
Unit 3
Yukon, the only female puppy in her husky litter, trains hard to be a sled dog and proves to be a great leader.
Fiction
Lexile®: AD610L
Guided Reading: M

Elmer
97813377787604
Life Science
Unit 3
A colorful elephant named Elmer is unhappy in the jungle and wonders if it would be better to be an ordinary elephant color.
Fiction
Lexile®: AD500L
Guided Reading: K

A Tree Grows Up
9781337481472
Life Science
Unit 4
An acorn starts out tiny, but over time, it grows up into a tall oak tree.
Non-Fiction
Lexile®: 530L
Guided Reading: J

Seed to Plant
9781337481489
Life Science
Unit 4
This book provides an overview of how a plant has many different parts and how each individual part helps the plant grow.
Non-Fiction
Lexile®: 400L
Guided Reading: I

Desert Animals Need Saguaro
9781337630726
Life Science
Unit 4
The different parts of the saguaro cactus provide food, water, shelter, and safety to many animals that live in the Sonoran Desert.
Non-Fiction
Lexile®: 540L
Guided Reading: N

The Tiny Seed
9781337791342
Life Science
Unit 4
A tiny seed faces many challenges as it is carried by the wind in this illustrated story.
Fiction
Lexile®: 400L
Guided Reading: L

The Little Tree
9781337563277
Life Science
Unit 4
In this story, a little tree lives in a forest that is dying and becoming small and bare. She then sends her baby seed off to float in the wind to a better place.
Fiction
Lexile®: AD520L
Guided Reading: N

Sun, Moon, and Stars
9781337481274
Earth Science
Unit 5
In this informational text, students learn that when they observe the sky both day and night, they can learn about the sun, moon, and stars.
Non-Fiction
Lexile®: 520L
Guided Reading: M

Sun Patterns
9781337482196
Earth Science
Unit 5
Students will learn how the Earth circles the sun, the center of the solar system, in this book. The sun warms and lights Earth, makes shadows, and makes life possible.
Non-Fiction
Lexile®: 430L
Guided Reading: J
Through words and illustrations, students will learn about the sun, Earth’s closest star.

**Non-Fiction**
Lexile®: 590L
Guided Reading: M

**Fiction**
Lexile®: NP
Guided Reading: I

**Non-Fiction**
Lexile®: AD700L
Guided Reading: M

In this book, students learn that some materials allow light to pass through them, while others block light and create shadows on surfaces.

**Non-Fiction**
Lexile®: 360L
Guided Reading: K

In this story, Moon wishes to trade places with Sun for one day. However, Sun agrees only if Moon will trade permanently and if Moon will first spend a night looking closely at the Earth.

**Fiction**
Lexile®: AD670L
Guided Reading: N

In this story, Moses and his school for the hearing impaired go on a field trip to a concert which turns out to be a special surprise.

**Fiction**
Lexile®: AD460L
Guided Reading: L
Saguaro Cacti and Elf Owls
9781337348135
Life Science
Unit 1
The saguaro cactus and the elf owl are two of the many plants and animals that live, grow, and change in the desert.
Non-Fiction
Lexile®: 630L
Guided Reading: M

Plants Without Soil
9781337362962
Life Science
Unit 1
Discover the amazing world of epiphytes, plants that grow without soil.
Non-Fiction
Lexile®: 480L
Guided Reading: Q

Life in the Forest
9781337362962
Life Science
Unit 1
A forest is a community. Forests help people and animals, and people and animals can help forests.
Non-Fiction
Lexile®: 450L
Guided Reading: P

Bees
9781337481564
Life Science
Unit 1
From pollinating plants to making honey and beeswax, this book explains how bees help plants and people in many ways.
Non-Fiction
Lexile®: 580L
Guided Reading: K

Butterfly Park
9781337629638
Life Science
Unit 1
In this story, a young girl's efforts to attract butterflies to Butterfly Park inspire her community to help her.
Fiction
Lexile®: AD480L
Guided Reading: K

Up in the Garden and Down in the Dirt
9781337702362
Life Science
Unit 1
A girl plants a garden with her Nana and discovers that beneath the leaves that appear, earthworms, snakes, and other creatures are busy doing work down in the dirt.
Fiction
Lexile®: AD730L
Guided Reading: M

Habitats
9781337481366
Life Science
Unit 2
In this book, students learn that Earth has land and water habitats. Plants and animals depend on their habitats, and on each other to survive.
Non-Fiction
Lexile®: 520L
Guided Reading: L

At Home in the Desert
9781337481373
Life Science
Unit 2
The desert is a challenging habitat to live in, but desert plants and animals have special parts that allow them to survive in this dry environment.
Non-Fiction
Lexile®: 360L
Guided Reading: L

Coral Reefs
9781337481571
Life Science
Unit 2
Coral reefs are a special ecosystem home to many ocean plants and animals. Many reefs are in danger, but humans can help protect them.
Non-Fiction
Lexile®: 700L
Guided Reading: K

The Great Kapok Tree
9781337687133
Life Science
Unit 2
As a man chopping down a giant kapok tree rests, the animals who live in the tree plead with him not to destroy their world.
Fiction
Lexile®: 670L
Guided Reading: R

Tokyo Digs a Garden
9781337624763
Life Science
Unit 2
Tokyo lives in a big city with no sign of nature. One day an old woman gives him three seeds, which she says will grow into whatever he wants.
Fiction
Lexile®: AD600L
Guided Reading: M

Earth Changes Fast!
9781337482219
Earth Science
Unit 3
This informational text shows students how earthquakes and waves are powerful forces that can quickly shape the Earth.
Non-Fiction
Lexile®: 610L
Guided Reading: O
Volcanoes Change the Earth
97813373629805
Earth Science Unit 3
In this book, students will learn that volcanoes form all over the world. Many people live near volcanoes, so it’s important to be prepared.
Non-Fiction
Lexile®: 480L
Guided Reading: P

Land and Water in Hawaii
9781337481328
Earth Science Unit 3
Students will learn all about the geography of Hawaii, a group of islands that formed when volcanoes erupted.
Non-Fiction
Lexile®: 450L
Guided Reading: N

Volcanoes
97813373629799
Earth Science Unit 3
This provides an overview of how scientists can make predictions about future eruptions by studying volcanic eruptions of the past.
Non-Fiction
Lexile®: 670L
Guided Reading: P

Kenta and the Big Wave
97813373691024
Earth Science Unit 3
This is the story of how a tsunami comes to Kenta’s town in Japan. He is safe, but he loses his beloved soccer ball.
Fiction
Lexile®: AD560L
Guided Reading: K

A House by the River
9781620146873
Earth Science Unit 3
When a flood threatens her house, Belinda learns that she, and the house, are stronger than she thinks.
Fiction
Lexile®: 700L
Guided Reading: N

Arches, Arches Everywhere!
9781337481335
Earth Science Unit 4
This provides a look into Arches National Park, where weathering and erosion have carved rock into arches.
Non-Fiction
Lexile®: 440L
Guided Reading: M

Rocks and Soil Near the Great Lakes
9781337481342
Earth Science Unit 4
There are many beaches near the Great Lakes that have rocks and soil. The properties of the rocks and soil can be observed to learn more about them.
Non-Fiction
Lexile®: 490L
Guided Reading: O

Exploring Caves
97813373629625
Earth Science Unit 4
This is an overview of how caves are formed and how they are home to many kinds of animals.
Non-Fiction
Lexile®: 530L
Guided Reading: P

Rocks and Minerals
9781337481557
Earth Science Unit 4
Rocks are everywhere and can be placed into three different groups based on how they form.
Non-Fiction
Lexile®: 580L
Guided Reading: J

The Sun, the Wind, and the Rain
9781337700504
Earth Science Unit 4
The Earth made its mountain millions of years ago, while Elizabeth made her sand mountain during a day at the beach.
Fiction
Lexile®: 600L
Guided Reading: M

Water Rolls, Water Rises
9780892394258
Earth Science Unit 4
This is a collection of poetry that shows how water is many things. It is the ocean and fog, it moves boats and tumbles in riverbeds, and it hydrates people and helps grow food.
Fiction
Lexile®: AD930L
Guided Reading: R

Mountains, Valleys, and Plains
9781337481953
Earth Science Unit 5
This is an overview of how mountains, valleys, and plains are different landforms on Earth. They are each formed in different ways and have different features.
Non-Fiction
Lexile®: 610L
Guided Reading: Q
In this persuasive text, students will learn about the importance of water, and how plants, animals, and people need it to survive.

**Non-Fiction**  
Lexile®: 540L  
Guided Reading: N

Students will explore Botswana, Africa, where the Okavango River forms a delta that provides water and food for many people and animals.

**Non-Fiction**  
Lexile®: 580L  
Guided Reading: Q

This book shows how people depend on the Colorado River for their livelihood. A Native American lesson about water is also shared.

**Non-Fiction**  
Lexile®: 630L  
Guided Reading: S

In this poetry collection, we learn that water is all around us. It can take many forms and is used for many things. It helps keep plants, animals, and people alive.

**Fiction**  
Lexile®: AD310L  
Guided Reading: L

In this story, a boy's worldview is changed when his father brings home an unexpected gift.

**Fiction**  
Lexile®: AD660L  
Guided Reading: P

This provides an introduction to the three states of matter: solid, liquid, and gas. The properties of matter can be observed and measured.

**Non-Fiction**  
Lexile®: 540L  
Guided Reading: N

This book looks at how science can explain the chemical changes that milk goes through to become cheese.

**Non-Fiction**  
Lexile®: 630L  
Guided Reading: S

This is an overview of the many uses of glass. At very high temperatures, silica, soda, and lime make glass.

**Non-Fiction**  
Lexile®: 430L  
Guided Reading: S

Miguel and Bahar make their own bicycles while machines and workers assemble cars in this collection of articles.

**Non-Fiction**  
Lexile®: 530L  
Guided Reading: M

Three monks bring a village together by making “stone soup,” which starts out as water and three big stones but soon becomes an entire feast.

**Fiction**  
Lexile®: 480L  
Guided Reading: M

In this version of the classic story, a group of French soldiers outwit greedy townspeople in order to create a special meal.

**Fiction**  
Lexile®: AD480L  
Guided Reading: M
### Worth Saving
- **9781337630191**  
- **Life Science**  
- **Unit 1**  
Stories and scholarly articles are used to introduce various endangered and extinct species.  
- **Non-Fiction**  
- **Lexile®**: 660L  
- **Guided Reading**: S

### Dinosaurs
- **9781337481984**  
- **Life Science**  
- **Unit 1**  
Here are three articles that discuss various aspects of dinosaurs, including their unusual physical features.  
- **Non-Fiction**  
- **Lexile®**: 680L  
- **Guided Reading**: S

### Great Migrations: Amazing Animal Journeys
- **9781337481588**  
- **Life Science**  
- **Unit 1**  
The migration habits of zebras, red crabs, and walruses are explored along with the lengths they must go to survive.  
- **Non-Fiction**  
- **Lexile®**: 810L  
- **Guided Reading**: M

### The Year of the Panda
- **9781337778761**  
- **Life Science**  
- **Unit 1**  
This is the story of a young boy in China who begins to notice mysterious things happening around his family's farm after he rescues an orphaned panda.  
- **Fiction**  
- **Lexile®**: 520L  
- **Guided Reading**: N

### Swarm!
- **9781337481991**  
- **Life Science**  
- **Unit 2**  
Explore a collection of scientific articles describing the unusual survival behavior of swarming insects.  
- **Non-Fiction**  
- **Lexile®**: 780L  
- **Guided Reading**: V

### Tricks, Traps, and Tools
- **9781337482004**  
- **Life Science**  
- **Unit 2**  
This book provides three articles that describe some of the unusual tricks, traps, and tools plants and animals use to survive.  
- **Non-Fiction**  
- **Lexile®**: 680L  
- **Guided Reading**: R

### Penguins
- **9781337481595**  
- **Life Science**  
- **Unit 2**  
Characteristics of penguins are discussed including how they live, where they live, and how they care for their young.  
- **Non-Fiction**  
- **Lexile®**: 750L  
- **Guided Reading**: K

### Orangutanka
- **9781337682886**  
- **Life Science**  
- **Unit 2**  
The story of a family of orangutans is told through tanka a form of Japanese poetry.  
- **Fiction**  
- **Lexile®**: NP  
- **Guided Reading**: M

### Lessons from the Forest
- **9781337691390**  
- **Life Science**  
- **Unit 2**  
This book contains two plays based on Native American myths about animals.  
- **Fiction**  
- **Lexile®**: NP  
- **Guided Reading**: Q

### Plants and Animals
- **9781337481397**  
- **Life Science**  
- **Unit 3**  
Descriptions of the life cycles and traits of various plants and animals showing how they grow and change are provided.  
- **Non-Fiction**  
- **Lexile®**: 570L  
- **Guided Reading**: O

### Great Migrations: Butterflies
- **9781337481601**  
- **Life Science**  
- **Unit 3**  
An overview of monarch butterflies including details of their amazing yearly migrations from Mexico to the north is explored.  
- **Non-Fiction**  
- **Lexile®**: 710L  
- **Guided Reading**: L

### Honeybees
- **9781337481618**  
- **Life Science**  
- **Unit 3**  
This provides an overview of the complex and varied life of the honeybee.  
- **Non-Fiction**  
- **Lexile®**: 780L  
- **Guided Reading**: M
**When Green Becomes Tomatoes**  
9781337625517  
Life Science  
Unit 3  
This book is a collection of illustrated poetry through the seasons.  
Fiction  
Lexile®: NP  
Guided Reading: Q

**Taming the Wild**  
97813373482011  
Life Science  
Unit 4  
Explore the domestication and breeding of different wild animals and plants including wolves, chickens, and vegetables.  
Non-Fiction  
Lexile®: 750L  
Guided Reading: W

**Weird Animal Traits**  
9781337348208  
Life Science  
Unit 4  
This book is a collection of scientific articles describing the unusual characteristics of both land and sea animals.  
Non-Fiction  
Lexile®: 810L  
Guided Reading: T

**Cats vs. Dogs**  
9781337348162  
Life Science  
Unit 4  
Cats and dogs go head to head as questions about such traits as their senses, diet, and behavior are raised.  
Non-Fiction  
Lexile®: 770L  
Guided Reading: K

**Charlie and Kiwi**  
97813373791311  
Life Science  
Unit 4  
In this story, a boy and his grandfather travel back in time to learn about the evolution of the kiwi bird.  
Fiction  
Lexile®: 480L  
Guided Reading: Q

**Henry the Impatient Heron**  
97813373565363  
Life Science  
Unit 4  
A young heron is separated from his family and must learn to catch food on his own.  
Fiction  
Lexile®: 760L  
Guided Reading: N

**Big Storm**  
97813373481960  
Earth Science  
Unit 5  
Hurricane Katrina, one of the most powerful and damaging storms in modern history, is discussed.  
Non-Fiction  
Lexile®: 720L  
Guided Reading: Q

**Tornadoes**  
97813373481977  
Earth Science  
Unit 5  
This includes four articles inspired by National Geographic Explorer Tim Samaras, who spent over 25 years researching tornadoes.  
Non-Fiction  
Lexile®: 780L  
Guided Reading: T

**Storms**  
9781337629737  
Earth Science  
Unit 5  
Text, diagrams, and illustrations explain how storms form and the damaging effect they can have on people and property.  
Non-Fiction  
Lexile®: 760L  
Guided Reading: P

**Blizzard Night**  
97813373623537  
Earth Science  
Unit 5  
A car accident sends Jayden and his brother out into the woods during a blizzard to get help.  
Fiction  
Lexile®: 720L  
Guided Reading: R

**Roller Coasters**  
97813373482035  
Physical Science  
Unit 6  
Let's look at the history and science behind the exciting world of roller coasters.  
Non-Fiction  
Lexile®: 570L  
Guided Reading: U

**Forces in Motion**  
97813373481755  
Physical Science  
Unit 6  
Newton's laws of motion explain how Lindsey Van, a World Champion ski jumper, gains speed, catches air, and lands safely.  
Non-Fiction  
Lexile®: 670L  
Guided Reading: U
The Power of Forces
9781337482226
Physical Science
Unit 6
This is an introduction to the forces at work high above the Earth's surface that help everything from skydiving to satellites.
Non-Fiction
Lexile®: 710L
Guided Reading: U

Moving Up a Mountain
9781337482042
Physical Science
Unit 6
This is a collection of articles about K2, the second tallest mountain in the world, and perhaps the most challenging to climb.
Non-Fiction
Lexile®: 790L
Guided Reading: V

Frank Einstein and the Electro-Finger
9781337624770
Physical Science
Unit 6
The use of forces is explained through the story of Frank and his new invention, the Electro-Finger, which provides a new source of energy to his town.
Fiction
Lexile®: 700L
Guided Reading: U
Leapin’ Lizards
9781337481786
Life Science
Unit 1
This book discusses the physical traits and unusual adaptations of lizards that help these creatures survive.
Non-Fiction
Lexile®: 900L
Guided Reading: S

Predators and Prey
9781337481793
Life Science
Unit 1
Amazing tricks and adaptations that animals use to find food, and to prevent themselves from becoming food, are explored.
Non-Fiction
Lexile®: 850L
Guided Reading: R

Amazing Plant Adaptations
97813373630122
Life Science
Unit 1
This includes a collection of articles about how certain plants, such as sequoias and mango trees, adapt to survive.
Non-Fiction/Fiction
Lexile®: 820L
Guided Reading: T

Fact or Fantasy: Animals Tales
9781337691222
Life Science
Unit 1
A play and a short story both provide wild explanations for how certain animal adaptations came to be.
Fiction
Lexile®: 720L
Guided Reading: T

Animals that Come Out at Night
9781337481809
Life Science
Unit 2
Special skills and traits that allow nocturnal animals to find food, fight off predators, and communicate with each other are detailed in this book.
Non-Fiction
Lexile®: 870L
Guided Reading: Q

Do Elephants Talk?
9781337481816
Life Science
Unit 2
A series of articles explain how specialized sense receptors help African elephants communicate with each other and send messages to members of the herd that may be far away.
Non-Fiction
Lexile®: 750L
Guided Reading: Q

Charlie’s Raven
9781337790369
Life Science
Unit 2
A boy captures and raises a raven after hearing a Native American legend that suggests how a raven’s healing powers might help his grandfather.
Fiction
Lexile®: 710L
Guided Reading: V

The Disappearing Badlands
9781337482059
Earth Science
Unit 3
This includes a series of articles on South Dakota’s Badlands, including information on unusual land formations, such as gullies, buttes, pinnacles, and hoodoos.
Non-Fiction
Lexile®: 920L
Guided Reading: W

Face to Face with Butterflies
9781337481649
Life Science
Unit 2
Details are provided at each stage of a butterfly’s life cycle before the process of migration and the forces that drive a butterfly to travel thousands of miles are described.
Non-Fiction
Lexile®: 890L
Guided Reading: P

Forces of Nature
9781337630139
Earth Science
Unit 3
Both fiction and expository writing are used to provide information about weathering and erosion and the roles they play in shaping the landscape.
Non-Fiction
Lexile®: 810L
Guided Reading: T

How to Speak Cat (excerpts)
9781337482240
Life Science
Unit 2
Cats use their body parts, senses, and instincts to gather information and survive.
Non-Fiction
Lexile®: 820L
Guided Reading: V

Animal Encyclopedia (excerpt)
9781337482318
Life Science
Unit 1
This includes a collection of detailed information about all things birds, from albatross to woodpecker.
Non-Fiction
Lexile®: IG1010L
Guided Reading: W
The importance of soil is explained, and how it provides many vital minerals and nutrients for living things.

**Dirt**
97813373481632
Earth Science
Unit 3
This is a collection of poems about the exploration of Earth's surface and the forces that shape its landscape.

**Earth Inside Out**
9781337481779
Earth Science
Unit 4
A series of articles details Earth's composition and how powerful geological forces have shaped its surface, including the creation of some strange and fascinating landforms.

**It's Electrifying**
9781337481823
Physical Science
Unit 5
A series of articles show students what causes lightning and what electricity is and how it can be generated.

**The Energy of Water**
9781337629775
Physical Science
Unit 5
An exploration of the properties of water and the many ingenious ways people use it as a source of energy and fun is discussed.

**Explorer T.H. Culhane: Energy Solutions**
9781337482073
Physical Science
Unit 5
Information on the planet's energy needs are explored, featuring T. H. Culhane, who develops creative solutions to energy problems.

**Iceland's Active Landscape**
97813373481762
Earth Science
Unit 4
This is two articles detailing the active volcanic landscape of the small island nation of Iceland.

**Eruption!**
9781337482066
Earth Science
Unit 4
This includes three scientific articles about the most destructive volcanic event ever to occur in the United States: the eruption of Mount St. Helens in 1980.

**Earthshake: Poems from the Ground Up**
97813377792189
Earth Science
Unit 3
This is a collection of poems from the ground up about the exploration of Earth's surface and the forces that shape its landscape.

**John Henry**
97813377790376
Earth Science
Unit 3
The classic tall tale of John Henry, a giant with superhero strength who can accomplish feats that no other man can is retold.

**Eruption!**
9781337482066
Earth Science
Unit 4
This includes three scientific articles about the most destructive volcanic event ever to occur in the United States: the eruption of Mount St. Helens in 1980.

**Volcano Blast!**
9781337623520
Earth Science
Unit 4
A boy named Noah must escape a volcanic explosion and find safety on a small island off the coast of Alaska.

**Iceland's Active Landscape**
97813373481762
Earth Science
Unit 4
This is two articles detailing the active volcanic landscape of the small island nation of Iceland.

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9781337482073
Physical Science
Unit 5
Information on the planet's energy needs are explored, featuring T. H. Culhane, who develops creative solutions to energy problems.
Ruby Goldberg’s Bright Idea
9781337791328
Physical Science
Unit 5
Fifth-grader Ruby learns about teamwork, friendship, and the importance of people’s feelings as she takes part in her school’s science fair.
Fiction
Lexile®: 850L
Guided Reading: S

Renewable and Nonrenewable Resources
9781337482080
Physical Science
Unit 6
A collection of nonfiction discusses nonrenewable resources such as fossil fuels, and more sustainable solutions such as wind and solar power.
Non-Fiction
Lexile®: 850L
Guided Reading: X

Energy Resources
9781337481915
Physical Science
Unit 6
The search for renewable energy sources as alternatives to oil, coal, and natural gas is overviewed through scientific articles.
Non-Fiction
Lexile®: 960L
Guided Reading: Y

How Sustainable?
9781337482257
Physical Science
Unit 6
A selection of articles provides students with information on both renewable and nonrenewable energy resources.
Non-Fiction
Lexile®: 740L
Guided Reading: W

Nick and Tesla’s Solar-Powered Showdown
9781337709330
Physical Science
Unit 6
This is an action-filled mystery, in which twins Nick and Tesla must rescue their parents who were kidnapped while working on building a top-secret solar-powered satellite.
Fiction
Lexile®: 710L
Guided Reading: T
### Exploring Coral Reefs
**9781337693318**  
**Life Science**  
**Unit 1**  
Information is shared on different types of coral reefs as well as their locations and their unique biodiversities.  
**Non-Fiction**  
Lexile®: 910L  
Guided Reading: U

### African Savanna
**9781337693295**  
**Life Science**  
**Unit 1**  
In this book, students learn how living things in the African Savanna affect and are affected by the local ecosystem and the food chain.  
**Non-Fiction**  
Lexile®: 920L  
Guided Reading: V

### Rise of the Lioness
**9781337481670**  
**Life Science**  
**Unit 1**  
This is a discussion of the interdependence within the ecosystem of Zambia’s Liwu Plains. Preservation and restoration efforts for lions in the area are also explored.  
**Non-Fiction**  
Lexile®: 1000L  
Guided Reading: Y

### What's For Dinner?
**9781337623506**  
**Life Science**  
**Unit 1**  
A series of humorous poems and vivid illustrations are used to explain how animals catch food.  
**Fiction**  
Lexile®: NP  
Guided Reading: N/A

### Harusame
**9781337626095**  
**Life Science**  
**Unit 1**  
In this play, an injured bird journeys down a mountain while encountering new friends and challenges.  
**Fiction**  
Lexile®: NP  
Guided Reading: P

### The Sun
**9781337481830**  
**Earth Science**  
**Unit 2**  
An overview of the physical makeup and the role of the sun, Earth’s closest star and the largest body in the solar system, is explored.  
**Non-Fiction**  
Lexile®: 800L  
Guided Reading: R

### Stars and Constellations
**9781337481847**  
**Earth Science**  
**Unit 2**  
The star patterns in the solar system, also known as constellations, are described in this book.  
**Non-Fiction**  
Lexile®: 830L  
Guided Reading: S

### On Time
**9781337630085**  
**Earth Science**  
**Unit 2**  
From the ancient beginnings to the more accurate methods of today, the history of how and why humans have measured time is discussed.  
**Non-Fiction**  
Lexile®: 1040L  
Guided Reading: Y

### Yellowstone National Park
**9781337482103**  
**Earth Science**  
**Unit 3**  
The history and unique geographical features of Yellowstone National Park are covered in detail.  
**Non-Fiction**  
Lexile®: 920L  
Guided Reading: U

### Extreme Environments
**9781337481854**  
**Earth Science**  
**Unit 3**  
From Mount Everest to the rainforest, a mountain climber and a zoologist must acclimate to the extreme environments that their jobs take them to.  
**Non-Fiction**  
Lexile®: 910L  
Guided Reading: V
Caves
9781337629584
Earth Science
Unit 3
This provides a look into how caves are formed, as well as the scientists and hobbyists that explore them.
Non-Fiction
Lexile®: 780L
Guided Reading: P

Ultimate Adventure Atlas of Earth (excerpts)
9781337482271
Earth Science
Unit 3
This book includes highlights, facts, maps, and more from some of the most interesting, extreme, and adventurous locations on all seven continents.
Non-Fiction
Lexile®: IG990L
Guided Reading: U

Call It Courage
9781337793629
Earth Science
Unit 3
Mafatu faces his fear of the ocean by sailing on his own to a new island, where he learns to take care of himself and his animal companions.
Fiction
Lexile®: 830L
Guided Reading: X

Thirsty Planet
9781337481861
Earth Science
Unit 4
An exploration of how all living things need water to survive.
Non-Fiction
Lexile®: 820L
Guided Reading: U

Rescued Rivers
9781337481878
Earth Science
Unit 4
A look into five major river systems in the United States, including how the rivers have been modified over the years to meet people's needs.
Non-Fiction
Lexile®: 910L
Guided Reading: U

Explore: Antarctica
9781337481908
Earth Science
Unit 4
The history, climate, geography, biodiversity, and research that make Antarctica a unique continent are discussed in these scientific articles.
Non-Fiction
Lexile®: 1010L
Guided Reading: Y

Ultimate Oceanpedia (excerpt)
9781337482288
Earth Science
Unit 4
A look at the four major oceans on Earth and what lives within each, along with preservation efforts.
Non-Fiction
Lexile®: IG1030L
Guided Reading: V

The Talking Earth
9781337787628
Earth Science
Unit 4
Billie Wind, a young Seminole Indian, travels into the heart of the Everglades, where she learns to connect with nature.
Fiction
Lexile®: 770L
Guided Reading: U

Pollution
9781337481922
Earth Science
Unit 5
As water, soil, and the atmosphere have become increasingly polluted, this text discusses the impact pollution has on people’s health and the environment.
Non-Fiction
Lexile®: 920L
Guided Reading: X

Soil
9781337482097
Earth Science
Unit 5
The history and importance of soil along with its many effects on modern life are discussed.
Non-Fiction
Lexile®: 920L
Guided Reading: X

True Green Kids (excerpts)
9781337482264
Earth Science
Unit 5
This includes kid-friendly tips for how students can help preserve the environment at home, outdoors, and with friends.
Non-Fiction
Lexile®: 1040L
Guided Reading: W

Altered Worlds (includes “In Our Own Hands”, “I, Earthling”, “The Dirt on Our Shoes”)
9781337623476
Earth Science
Unit 5
A collection of science-fiction stories tell about humans, aliens, and the future of our planet.
Fiction
Lexile®: 830L
Guided Reading: Y
Transforming Food
9781337482110
Physical Science
Unit 6
This provides a look into the world of molecular gastronomy—the science of changing the properties of food to make something new and interesting.
Non-Fiction
Lexile®: 890L
Guided Reading: W

How It’s Made: Plastic and Steel
9781337481885
Physical Science
Unit 6
Two common types of matter, plastic and steel, are discussed along with the methods used to produce them.
Non-Fiction
Lexile®: 860L
Guided Reading: T

Measuring Matter
9781337481892
Physical Science
Unit 6
Baseball is used to explain various aspects of matter and how it is measured.
Non-Fiction
Lexile®: 780L
Guided Reading: S

Plasma
9781337693271
Physical Science
Unit 6
An introduction to plasma, the most common type of matter in our universe, which has many uses in everyday life.
Non-Fiction
Lexile®: 950L
Guided Reading: X

All Four Stars
9781337686822
Physical Science
Unit 6
Gladys Gatsby, a young girl and aspiring gourmet chef, is mistakenly hired as the food critic for a major publication.
Fiction
Lexile®: 950L
Guided Reading: T
This discusses the complicated relationships among animals, humans, and the ecosystem while examining some of the causes of habitat destruction and the loss of biodiversity.

Non-Fiction
Lexile®: 930L
Guided Reading: X

A collection of four articles explore the world's deadliest snakes and how and why explorer Zoltan Takacs collects and studies toxins from venomous snakes.

Non-Fiction
Lexile®: 1000L
Guided Reading: X

A discussion of how scientists are using modern technology to research and protect endangered animals and ecosystems.

Non-Fiction
Lexile®: 1100L
Guided Reading: Y

A collection of poetry, illustrations, and detailed scientific explanations describe how living things survive changes to their habitats in the harsh winter.

Non-Fiction
Lexile®: NP
Guided Reading: V

Geologist Steve Tomecek, also known as the Dirtmeister, provides clear explanations of geologic processes, including the origin and age of the Earth and rocks and minerals.

Non-Fiction
Lexile®: 1040L
Guided Reading: S

Students are introduced to Grand Canyon National Park, one of America's most famous geological wonders.

Non-Fiction
Lexile®: 980L
Guided Reading: V

In this novel, a girl named Maroo and her family face a variety of challenges in the harsh climate of the prehistoric Ice Age.

Fiction
Lexile®: 840L
Guided Reading: W
### The World's Ocean
9781337482127
Earth Science
Unit 4
Students are introduced to the vast world ocean that covers the majority of the planet, including topics such as the diversity of sea life and why sandy beaches come in an array of colors.
Non-Fiction
Lexile®: 1000L
Guided Reading: X

### Not a Drop to Drink
9781337481687
Earth Science
Unit 4
Let's look at the problems associated with Earth's water supply and how researchers are working toward solving problems associated with climate change and irrigation.
Non-Fiction
Lexile®: 1130L
Guided Reading: T

### Everything Rocks and Minerals
9781337481694
Earth Science
Unit 4
This book explains the different types of rocks and minerals, including information on how they are formed, how to identify them, and how they are used in everyday life.
Non-Fiction
Lexile®: 970L
Guided Reading: P

### Starry River of the Sky
9781337788427
Earth Science
Unit 4
In this fantasy novel, a boy named Rendi runs away from home and meets an old woman whose stories have a profound effect on him.
Fiction
Lexile®: 810L
Guided Reading: T

### An Invisible Force: The Quest to Define the Laws of Motion
9781337481731
Physical Science
Unit 6
A story throughout history tells how humans discovered the principles of motion, gravity, and how things move.
Non-Fiction
Lexile®: 820L
Guided Reading: Y

### Forces on Mars
9781337556460
Physical Science
Unit 6
Students are given an in-depth account of the history of Mars exploration, including information on gravitational, electrical, and magnetic forces.
Non-Fiction
Lexile®: 980L
Guided Reading: Y

### Heat
9781337686792
Physical Science
Unit 6
In this novel, a rising star Little League pitcher in the Bronx is hiding a secret that could put his future career in jeopardy.
Fiction
Lexile®: 940L
Guided Reading: V

### Water Resources
9781337481939
Earth Science
Unit 5
An explanation of how human activities, such as the burning of fossil fuels, pollute Earth's supply of fresh water. Steps students can take to help preserve water are also included.
Non-Fiction
Lexile®: 940L
Guided Reading: X

### Going Green
9781337482134
Earth Science
Unit 5
A look at how four cities from around the world are becoming more eco-friendly by adding green spaces, creating alternative resources, and more.
Non-Fiction
Lexile®: 1040L
Guided Reading: W

### Witness to Disaster: Volcanoes
9781337481700
Earth Science
Unit 5
A discussion of volcanic eruptions throughout human history discuss how those eruptions have affected Earth.
Non-Fiction
Lexile®: NC1090L
Guided Reading: Y

### For the Future (includes Tree Boy & Wasters)
9781337628501
Earth Science
Unit 5
A collection of short science fiction deals with the environmental impact humans are having on the planet.
Fiction
Lexile®: 710L
Guided Reading: W
National Geographic Panorama: Science is a highly flexible digital K–6 program with print components and available in Spanish. Science-based content inspires students to engage with and learn more about the world around them.

National Geographic Panorama: Science fits in a variety of classroom situations.

As a supplemental reading comprehension program
Use Panorama: Science with your own phonics, grammar, and writing resources to create complete language arts instruction.

In conjunction with a core reading program
Use your current reading program and add Panorama: Science for additional reading and science connections in whole or small group.

For small group reading
Choose from the various Panorama: Science student books and lessons to enhance small group reading instruction.

As a foundation for science instruction
Read Panorama: Science student books to build science knowledge and prepare students for hands-on science activities.