

Science Readers

Georgia Edition

Grades K-8

- ▶ Aligned to the **Georgia Standards of Excellence**
- ▶ High-interest content to inspire students
- ▶ Easy to implement



Contact us for custom quotes and to order:

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Office: (678) 963-0938
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Paula Cobb
Cell: (229) 254-9312
pcobb@tcmpub.com

**NEW Georgia
STEAM/STEM
Readers also
available**

Science Readers: Georgia Edition

Grades K–8

These convenient and comprehensive curriculum resources are aligned to the **Georgia Standards of Excellence (GSE) for Science**. Each grade-level kit is developed by educators to teach critical science concepts and themes, with appealing readers that inspire students as they learn.

Each complete grade-level kit includes:

High-interest Leveled Readers*

- 6 copies of each in print and digital formats
- A variety of text structures
- Academic vocabulary for science
- Hands-on science activities

Research-Based Lesson Plans

- Science concepts
- Reading and writing skills

Digital Resources

- eBooks
- Lesson plans
- Audio recordings

NEW Georgia STEAM/STEM Readers for Grades K–5
See page 18.

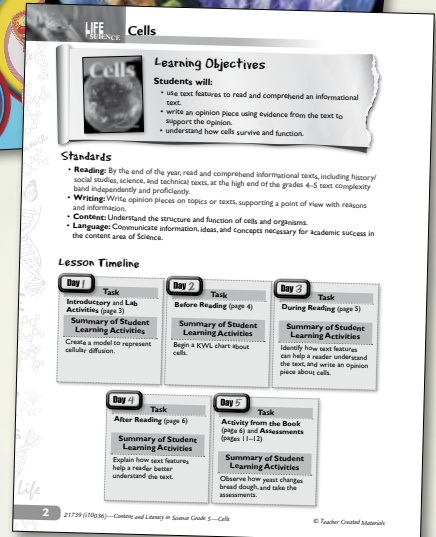
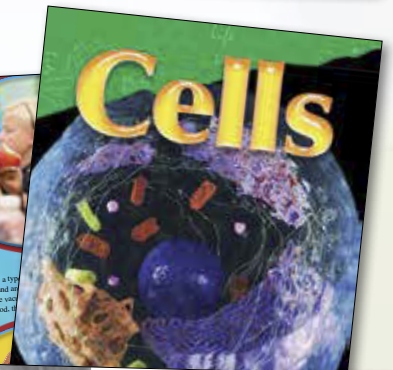
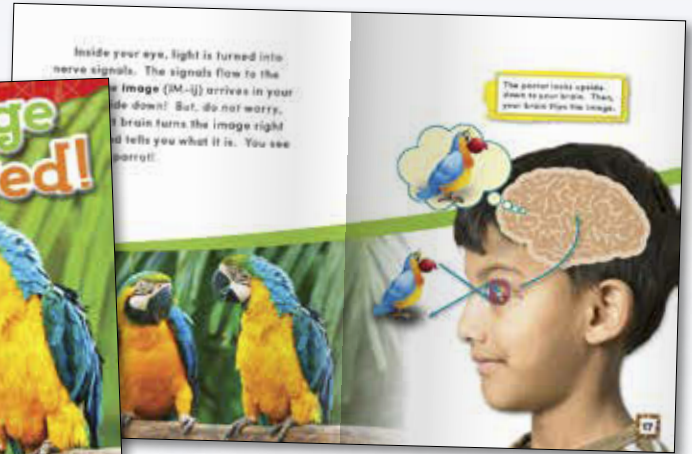


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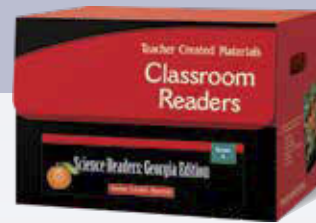
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*Add-On Packs and 6-Packs also available. See pages 3–17.

For additional resources that support the Georgia Science Standards, see pages 18–19.

Grade K

Spark the curiosity of young learners with vivid images and easy-to-read informational texts. Each reader supports scientific content with engaging activities for a hands-on learning experience.



Looking Up!



Earth Science 6-Packs with lesson plans



GSE: SKE1
Lexile®: 350L
GR: G
Item: 84628
\$43.99



GSE: SKE1
Lexile®: 380L
GR: F
Item: 84629
\$43.99

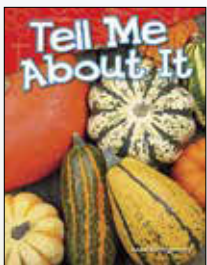


GSE: SKE1
Lexile®: 20L
GR: A
Item: 84630
\$43.99



GSE: SKE1
Lexile®: 320L
GR: F
Item: 84631
\$43.99

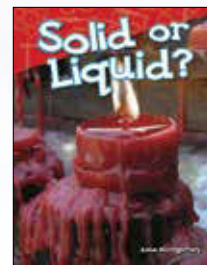
Physical Science 6-Packs with lesson plans



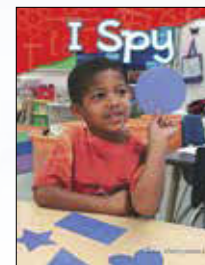
GSE: SKP1
Lexile®: BR
GR: A
Item: 84632
\$43.99



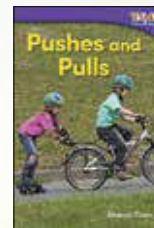
GSE: SKP1
Lexile®: BR
GR: A
Item: 84633
\$43.99



GSE: SKP1
Lexile®: BR
GR: A
Item: 84634
\$43.99



GSE: SKP1
Lexile®: BR
GR: B
Item: 84635
\$43.99

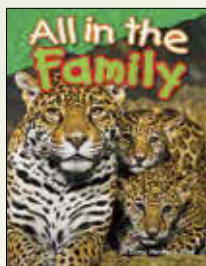


GSE: SKP2
Lexile®: NP
GR: A
Item: 84636
\$29.99

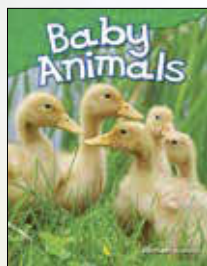
Life Science 6-Packs with lesson plans



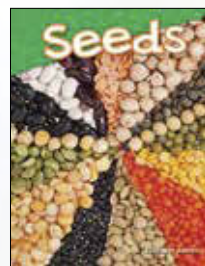
GSE: SKL1
Lexile®: BR
GR: A
Item: 84637
\$43.99



GSE: SKL2
Lexile®: 420L
GR: I
Item: 84638
\$43.99



GSE: SKL2
Lexile®: BR
GR: A
Item: 84639
\$43.99



GSE: SKL2
Lexile®: 160L
GR: D
Item: 84640
\$43.99

Seeds



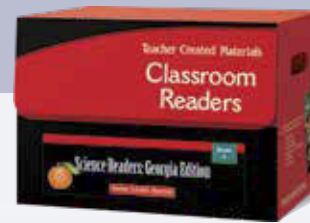
Science Readers: Georgia Edition Grade K

Title	Item	Price
Complete Kit (6-Packs of the 13 titles shown, plus lesson plans and digital resources)	84941	\$623.99
Add-On Pack (Single copy of each reader, 13 titles total)	84950	\$85.99

See page 18 for additional resources.

Grade 1

Bring science standards to life with these engaging, colorful readers. Each reader includes examples of scientific practices and hands-on activities to support content-area concepts.



Earth Science 6-Packs with lesson plans

The Seasons



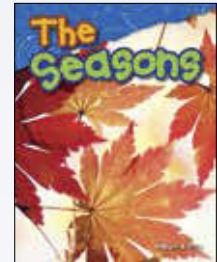
GSE: S1E1
Lexile®: BR
GR: A
Item: 84641
\$43.99



GSE: S1E1
Lexile®: BR
GR: A
Item: 84642
\$43.99



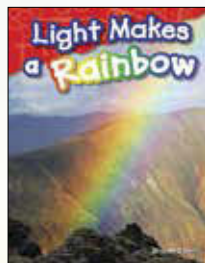
GSE: S1E1
Lexile®: BR
GR: D
Item: 84643
\$29.99



GSE: S1E1
Lexile®: 320L
GR: F
Item: 84644
\$43.99

Physical Science 6-Packs with lesson plans

What Do Living Things Need?



GSE: S1P1
Lexile®: 380L
GR: H
Item: 84645
\$43.99



GSE: S1P1
Lexile®: 210L
GR: D
Item: 84646
\$43.99

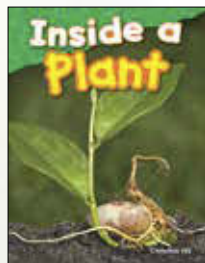


GSE: S1P1
Lexile®: 560L
GR: M
Item: 84647
\$43.99

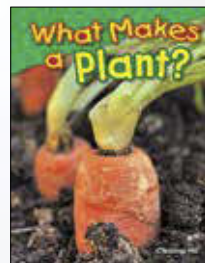


GSE: S1P1
Lexile®: 470L
GR: K
Item: 84648
\$43.99

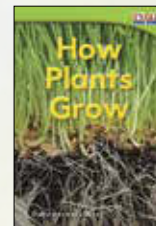
Life Science 6-Packs with lesson plans



GSE: S1L1
Lexile®: 400L
GR: H
Item: 84649
\$43.99



GSE: S1L1
Lexile®: 490L
GR: K
Item: 84650
\$43.99



GSE: S1L1
Lexile®: 110L
GR: E
Item: 84651
\$29.99



GSE: S1L1
Lexile®: 40L
GR: B
Item: 84652
\$43.99

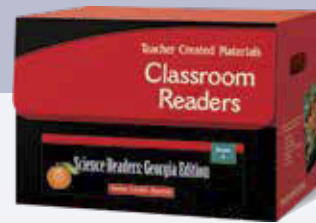
Science Readers: Georgia Edition Grade 1

See page 18 for additional resources.

Title	Item	Price
Complete Kit (6-Packs of the 12 titles shown, plus lesson plans and digital resources)	84942	\$619.99
Add-On Pack (Single copy of each reader, 12 titles total)	84951	\$76.99

Grade 2

Introduce students to key scientific concepts with these engaging readers. Each reader supports new science standards and encourages collaboration and critical thinking.



Earth Science 6-Packs with lesson plans



GSE: S2E1
Lexile®: 450L
GR: J
Item: 84653
\$43.99

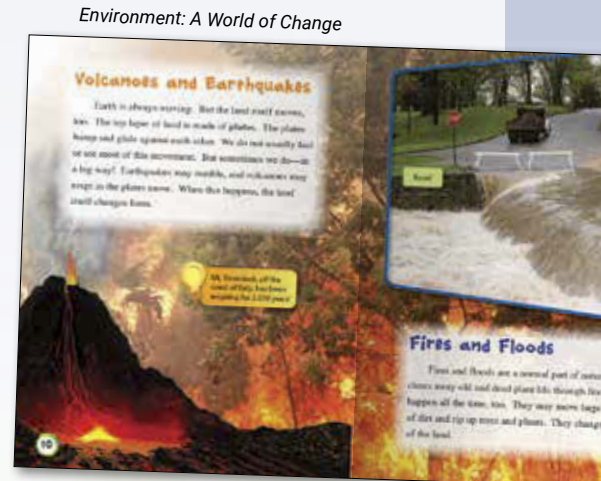


GSE: S2E2
Lexile®: 470L
GR: K
Item: 84654
\$43.99

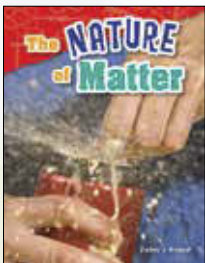
Earth & Life Science 6-Pack with lesson plan



GSE: S2E3, S2L1
Lexile®: 520L
GR: M
Item: 84655
\$48.99



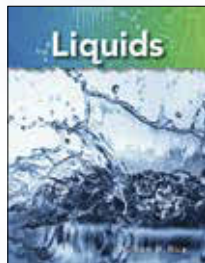
Physical Science 6-Packs with lesson plans



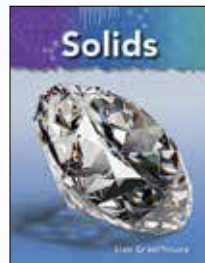
GSE: S2P1
Lexile®: 530L
GR: M
Item: 84656
\$48.99



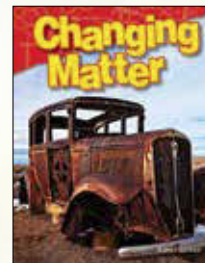
GSE: S2P1
Lexile®: 420L
GR: I
Item: 84657
\$43.99



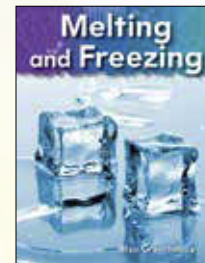
GSE: S2P1
Lexile®: 470L
GR: K
Item: 84658
\$43.99



GSE: S2P1
Lexile®: 480L
GR: K
Item: 84659
\$43.99



GSE: S2P1
Lexile®: 630L
GR: O
Item: 84660
\$48.99

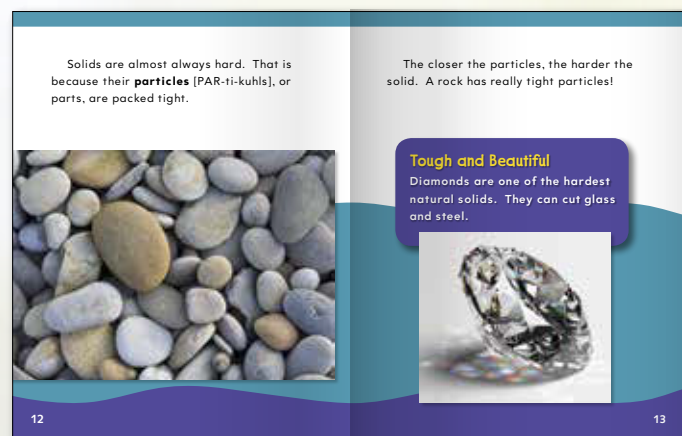


GSE: S2P1
Lexile®: 470L
GR: K
Item: 84661
\$43.99

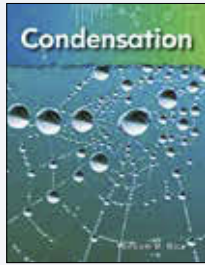
Earth and Moon



Solids



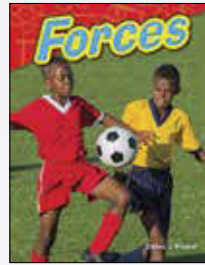
Physical Science 6-Packs with lesson plans (cont.)



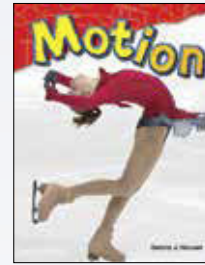
GSE: S2P1
Lexile®: 370L
GR: G
Item: 84662
\$43.99



GSE: S2P1
Lexile®: 390L
GR: G
Item: 84663
\$43.99

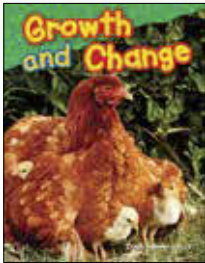


GSE: S2P2
Lexile®: 530L
GR: M
Item: 84664
\$48.99



GSE: S2P2
Lexile®: 570L
GR: M
Item: 84665
\$48.99

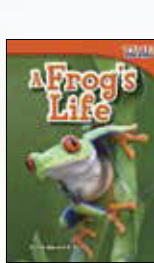
Life Science 6-Packs with lesson plans



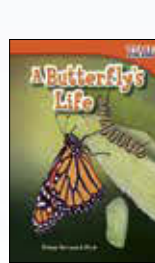
GSE: S2L1
Lexile®: 300L
GR: F
Item: 84666
\$43.99



GSE: S2L1
Lexile®: 630L
GR: O
Item: 84667
\$48.99



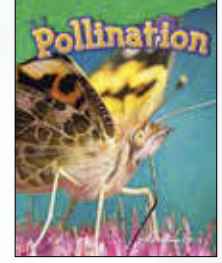
GSE: S2L1
Lexile®: 180L
GR: E
Item: 84668
\$29.99



GSE: S2L1
Lexile®: 190L
GR: E
Item: 84669
\$29.99



GSE: S2L1
Lexile®: 260L
GR: F
Item: 84670
\$29.99



GSE: S2L1
Lexile®: 450L
GR: J
Item: 84671
\$48.99



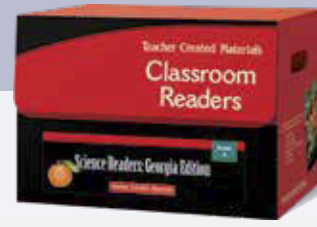
Science Readers: Georgia Edition Grade 2

Title	Item	Price
Complete Kit (6-Packs of the 19 titles shown, plus lesson plans and digital resources)	84943	\$1,027.99
Add-On Pack (Single copy of each reader; 19 titles total)	84952	\$130.99

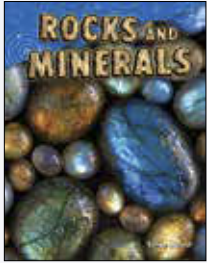
See page 18 for additional resources.

Grade 3

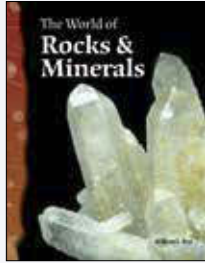
Encourage scientific thinking and support the new standards with these research-based readers. The engaging, leveled readers explore scientific concepts and themes.



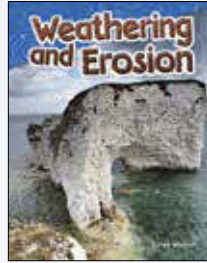
Earth Science 6-Packs with lesson plans



GSE: S3E1
Lexile®: 500L
GR: L
Item: 84672
\$48.99



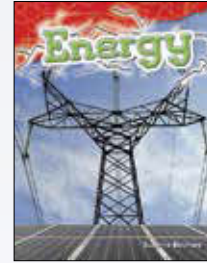
GSE: S3E1
Lexile®: 730L
GR: R
Item: 84673
\$48.99



GSE: S3E1
Lexile®: 460L
GR: J
Item: 84674
\$48.99



GSE: S3P1
Lexile®: 330L
GR: G
Item: 84675
\$43.99



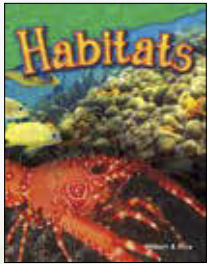
GSE: S3P1
Lexile®: 450L
GR: J
Item: 84676
\$48.99

Physical Science 6-Packs with lesson plans

Energy



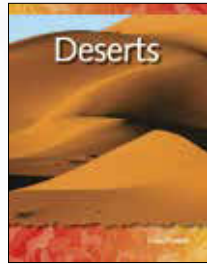
Life Science 6-Packs with lesson plans



GSE: S3L1
Lexile®: 460L
GR: J
Item: 84677
\$48.99



GSE: S3L1
Lexile®: 770L
GR: S
Item: 84678
\$48.99



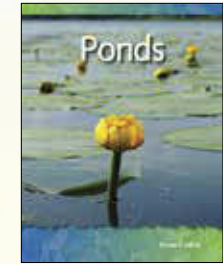
GSE: S3L1
Lexile®: 620L
GR: O
Item: 84679
\$43.99



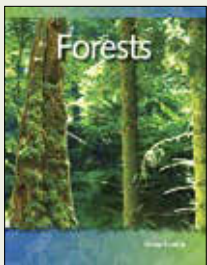
GSE: S3L1
Lexile®: 560L
GR: M
Item: 84680
\$43.99



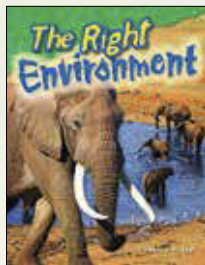
GSE: S3L1
Lexile®: 580L
GR: N
Item: 84681
\$43.99



GSE: S3L1
Lexile®: 590L
GR: N
Item: 84682
\$43.99



GSE: S3L1
Lexile®: 680L
GR: P
Item: 84683
\$43.99



GSE: S3L2
Lexile®: 670L
GR: P
Item: 84684
\$48.99



GSE: S3L2
Lexile®: 680L
GR: S
Item: 84685
\$55.99



GSE: S3L2
Lexile®: 640L
GR: O
Item: 84686
\$48.99



GSE: S3L2
Lexile®: 480L
GR: K
Item: 84687
\$43.99

We Recycle



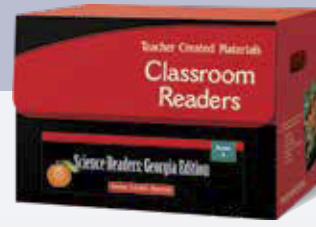
Science Readers: Georgia Edition Grade 3

Title	Item	Price
Complete Kit (6-Packs of the 16 titles shown, plus lesson plans and digital resources)	84944	\$877.99
Add-On Pack (Single copy of each reader; 16 titles total)	84953	\$117.99

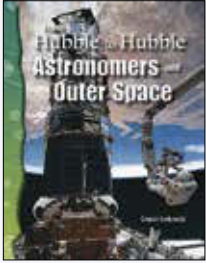
See pages 18–19 for additional resources.

Grade 4

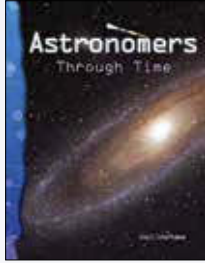
Improve science literacy and knowledge with readers that balance scientific concepts and facts in an engaging format. The leveled readers feature student-friendly content with supporting diagrams or photos to reinforce learning.



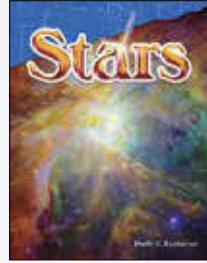
Earth Science 6-Packs with lesson plans



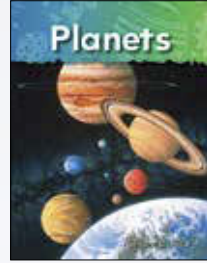
GSE: S4E1
Lexile®: 710L
GR: Q
Item: 84688
\$48.99



GSE: S4E1
Lexile®: 650L
GR: P
Item: 84689
\$48.99



GSE: S4E1
Lexile®: 450L
GR: J
Item: 84690
\$48.99



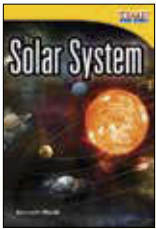
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GR: I
Item: 84691
\$43.99



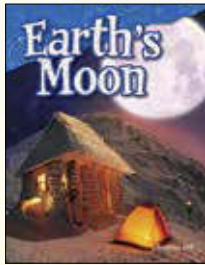
GSE: S4E1
Lexile®: 730L
GR: R
Item: 84692
\$48.99



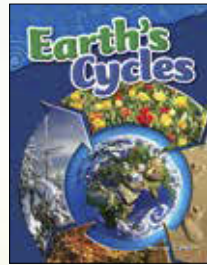
GSE: S4E1
Lexile®: 710L
GR: Q
Item: 84693
\$48.99



GSE: S4E1
Lexile®: 680L
GR: L
Item: 84694
\$39.99



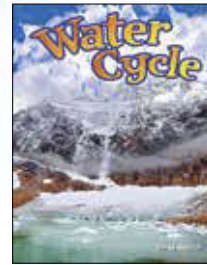
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Lexile®: 680L
GR: P
Item: 84695
\$48.99



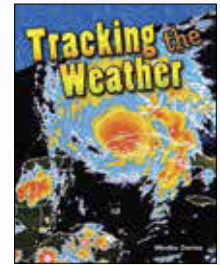
GSE: S4E3
Lexile®: 700L
GR: Q
Item: 84696
\$48.99



GSE: S4E3
Lexile®: 740L
GR: R
Item: 84697
\$48.99



GSE: S4E3
Lexile®: 360L
GR: G
Item: 84698
\$48.99



GSE: S4E4
Lexile®: 720L
GR: R
Item: 84699
\$48.99

Extreme Weather



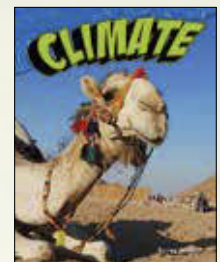
GSE: S4E4
Lexile®: 640L
GR: O
Item: 84700
\$48.99



GSE: S4E4
Lexile®: 690L
GR: P
Item: 84701
\$48.99

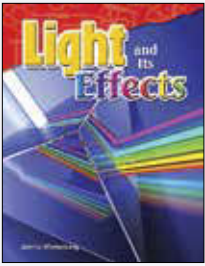


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Lexile®: 690L
GR: P
Item: 84702
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Lexile®: 660L
GR: P
Item: 84703
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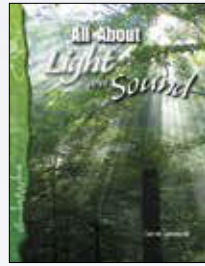
Physical Science 6-Packs with lesson plans



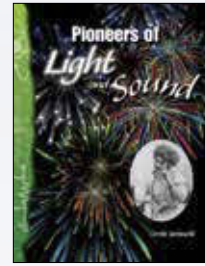
GSE: S4P1, S4P2
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GR: R
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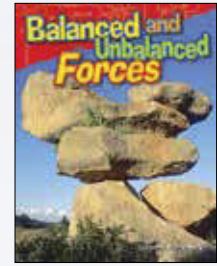
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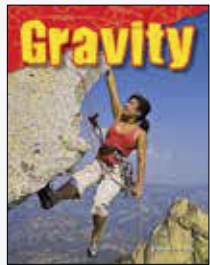
GSE: S4P2
Lexile®: 700L
GR: Q
Item: 84706
\$48.99



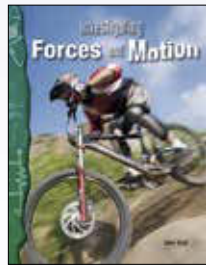
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Lexile®: 670L
GR: P
Item: 84707
\$48.99



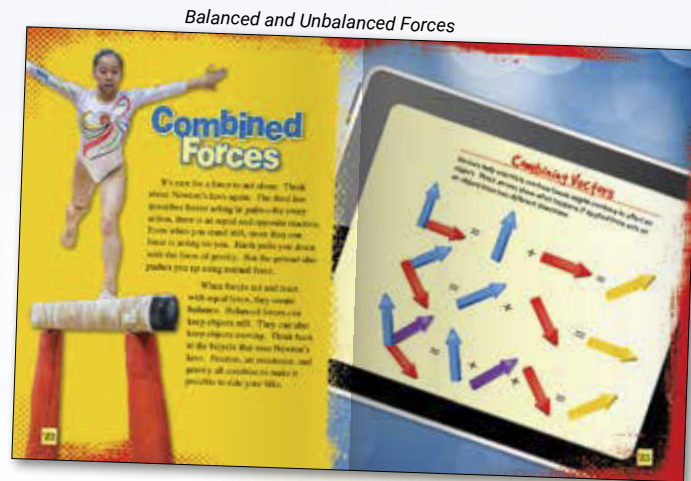
GSE: S4P3
Lexile®: 660L
GR: P
Item: 84708
\$48.99



GSE: S4P3
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Item: 84709
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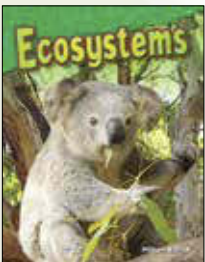


GSE: S4P3
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Item: 84710
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Balanced and Unbalanced Forces

Life Science 6-Packs with lesson plans



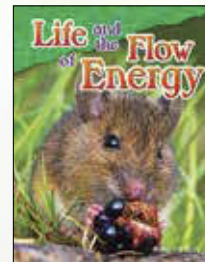
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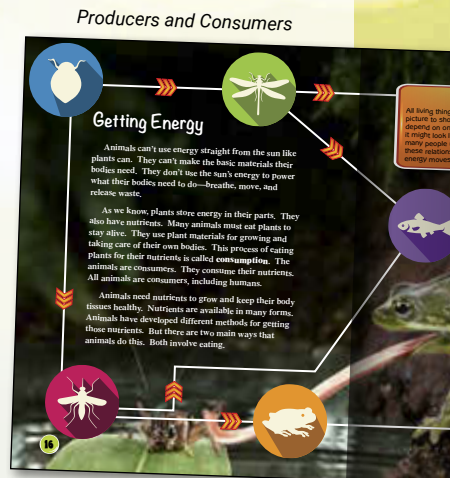
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GR: P
Item: 84712
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GSE: S4L1
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GSE: S4L1
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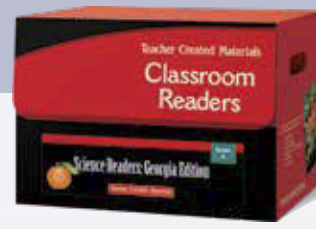
Science Readers: Georgia Edition Grade 4

Title	Item	Price
Complete Kit (6-Packs of the 27 titles shown, plus lesson plans and digital resources)	84945	\$1,514.99
Add-On Pack (Single copy of each reader; 27 titles total)	84954	\$197.99

See pages 18–19 for additional resources.

Grade 5

Students will go beyond the surface of critical scientific concepts with these engaging readers. Research-based background information, interactive features, and illustrations enrich the text and bring scientific content to life.



Earth Science 6-Packs with lesson plans

Volcanoes

What Happens During an Eruption?

All eruptions do not look the same. But they do have things in common.

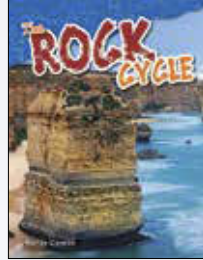
Pressure and heat in the mantle begin an eruption. They push magma into a chamber. Magma is lighter than the crust. So it tries to push above it. And pressure from gases pushes the magma through the crust. When pressure builds, ash, rock, gas, and steam escape. They push through a hole or crack in the Earth. This is an eruption.

Sometimes an eruption comes in a blast. It can be loud like an explosion. Sometimes it comes in a slow ooze. The more pressure, the bigger the blast.

Active, Dormant, or Extinct?

If a volcano might erupt any time, it is called active. If we think it will not erupt now but perhaps in the future, it is called dormant (DOR-muhnt). Dormant means asleep. If we think it will never erupt, it is called extinct.

Magma builds in the magma chamber and erupts through an opening in the volcano.



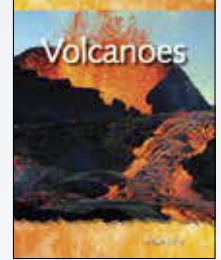
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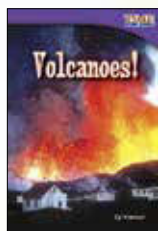
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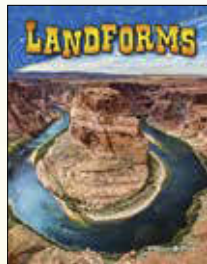
GSE: S5E1
Lexile®: 490L
GR: J
Item: 84717
\$39.99



GSE: S5E1
Lexile®: 610L
GR: O
Item: 84718
\$43.99



GSE: S5E1
Lexile®: 660L
GR: J
Item: 84719
\$39.99



GSE: S5E1
Lexile®: 690L
GR: P
Item: 84720
\$48.99



GSE: S5E1
Lexile®: 800L
GR: T
Item: 84721
\$48.99

Investigating Plate Tectonics

Evidence of Plate Tectonics

How Low Can You Go?
The deepest hole ever dug into Earth's crust is only 12 kilometers (7.5 miles).

Another Missing Piece
After Wegener's death, scientists noticed mountains and deep trenches underneath the Pacific Ocean. These discoveries were the missing pieces that Wegener was looking for. They helped to explain plate movement. Magma was pushing the plates apart at cracks in Earth's crust. Magma is in motion. The plates of crust rest on the surface of the moving magma. This causes the plates to move, too.

Plate tectonics has many effects all across the world.

Many geologists did not accept plate tectonics at first. They could see that some continents looked like they could fit together. Most scientists thought this was a coincidence.

Alfred Wegener needed to explain how the continents moved. He said two forces caused the movement. They are the pull of the moon on Earth and the daily spin of Earth itself. Most geologists thought these forces were too weak to move the giant continents.

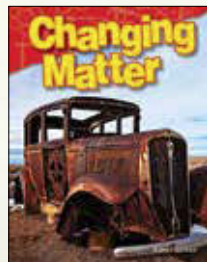
Wegener did not live long enough to find the reason for continental movement. He died in 1930.

During the 40 years after his death, scientists learned more about Earth's crust. Using special tools, geologists mapped the seafloor. They discovered areas such as the mid-ocean ridge. The mid-ocean ridge is more than a 50,000 kilometer (31,000 mile) crack in the ocean's floor. It runs from the Arctic down through the Atlantic Ocean. It then circles the globe like the seam of a baseball. Finally, a method to explain how continents move was taking shape!

Physical Science 6-Packs with lesson plans



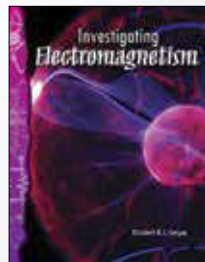
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Item: 84722
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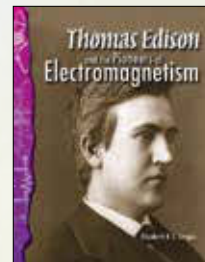
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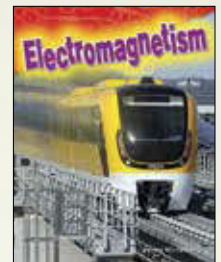
GSE: S5P2
Lexile®: 690L
GR: P
Item: 84724
\$48.99



GSE: S5P3
Lexile®: 770L
GR: S
Item: 84725
\$48.99



GSE: S5P3
Lexile®: 690L
GR: P
Item: 84726
\$48.99



GSE: S5P3
Lexile®: 620L
GR: O
Item: 84727
\$48.99

The World of Plants

What Is a Plant?

Plants are living things. They grow in almost every environment on the earth. They grow on the tops of mountains. Some grow in the snow. Some grow in the middle of the desert. No matter where they are, all plants need sun, water, air, and food to grow.

Most things we recognize as plants, such as trees and bushes, have **leaves**, **stems**, and **roots**. Each of these parts does a different task that is needed for the plant to grow. All plants use a process called **photosynthesis** (fōt-fōh-SIN-thuh-sis) to make their food.

Plants grow in this cactuspatch on the earth.

Plant Clothes

Did you know that most clothes are made out of plants? The most common plant used for clothes in the world today is cotton. Twenty million tons of cotton are grown each year around the world. If you lined up all that cotton end to end, it would stretch from Los Angeles to New York 63 times!

Scientists are thinking up new ways to use plants every day. They have recently figured out how to make clothes out of bamboo and corn. Who knows? One day you may be wearing your vegetables to school!

Gregor Mendel: Genetics Pioneer

Mendel Studies Garden Peas

Mendel's father bred fruit trees. Mendel helped his father when he was young. This interest started with him. He wasn't allowed to teach biology. But he could do research.

It was not possible for Mendel to study fruit trees. So he studied other plants. He decided to research the common pea. He grew them in his garden. They were easy to raise. They had a short breeding time.

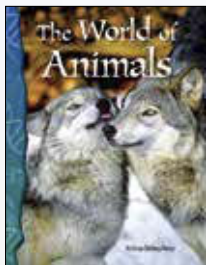
Breeding is another word for reproduction. Best of all, the peas could be cross-pollinated. That means that one variety could be bred with another.

Mendel bought seeds from people who lived in the area. Peas were a popular vegetable at that time. Many types were available. Mendel is said to have started with 34 different varieties of pea plants. Over time, he grew and tested at least 28,000 pea plants in his gardens.

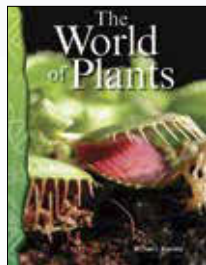
Interesting To See
An illustration from the album *Henry (1876–1881)* shows some of the characteristics of pea plants that Mendel tested.

Eugenics
Many people were inspired by Mendel's findings. They thought it would be easy to change people's traits. Many countries wanted to improve the majority race that lived in them. They thought they could breed out traits they didn't like. This is called eugenics (yoo-EE-uhk). Nazi Germany killed more than 200,000 people with disabilities. Some of these people were in mental institutions. Others had birth defects. In the end, it didn't work. Eugenics is very complicated. It cannot be practiced so easily.

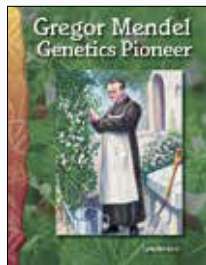
Life Science 6-Packs with lesson plans



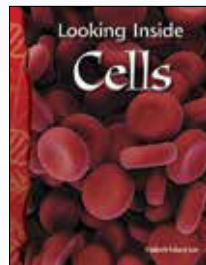
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Item: 84728
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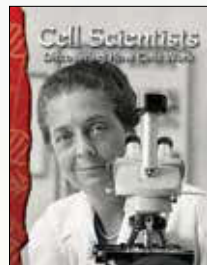
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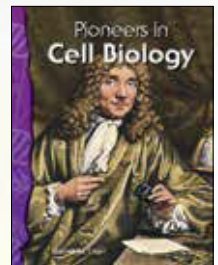
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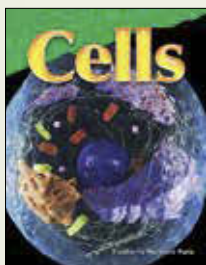
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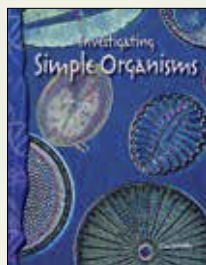
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GSE: S5L3
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Item: 84734
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GSE: S5L4
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GR: N
Item: 84735
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GSE: S5L4
Lexile®: 570L
GR: M
Item: 84736
\$48.99

Cells

Plant Cells

Plants are green plants. But under their simple exterior you'll find an amazingly complex set of organelles. In addition to a cell membrane, plant cells have a rigid cell wall. This helps support the plant and protect the cell. Plant cells also have a large vacuole. This is a spacious storage compartment for food and nutrients, which plants need to survive. It also stores water before it exits the plant. Plant cells have the amazing ability to make their own food. Chloroplasts are the structures responsible for this task. They contain chlorophyll, a green substance that gives plants color. It is here that a plant turns the sun's energy into food. These special organelles allow plants to thrive.

Crunch!

Have you noticed that when you bite into some types of fruit or vegetables they make a loud crunching sound? This is the sound of millions of cell walls breaking!

Animal Cells

Animal cells are pretty amazing, too. Centrioles are a type of organelle that can only be found in animal cells. They come in pairs and are essential when cells reproduce. Similar to plant cells, animal cells have vacuoles, but they are extra features to help them survive. Cells are short hairs that move in a wave-like motion on the surface of cells. Flagella are much like cilia but are longer. Both of these assist movement throughout cells. No matter if they're plant or animal cells, they contain inner structures that compartment their work.

Going Green

Chlorophyll is what allows plants to convert sunlight into food. But there is one very special organelle that can use chlorophyll. After eating algae, it keeps the organelle's chloroplasts and uses them in its own body.

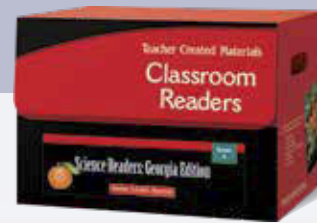
Science Readers: Georgia Edition Grade 5

Title	Item	Price
Complete Kit (6-Packs of the 22 titles shown, plus lesson plans and digital resources)	84946	\$1,219.99
Add-On Pack (Single copy of each reader; 22 titles total)	84955	\$159.99

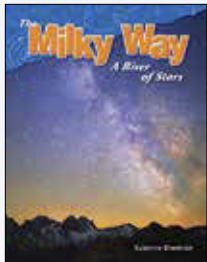
See pages 18–19 for additional resources.

Grade 6

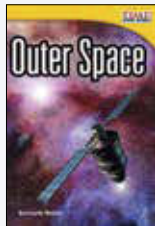
Build students' scientific knowledge and skills with leveled informational text and hands-on science activities. These engaging readers and lesson plans cover important strands like earth and physical science.



Earth Science 6-Packs with lesson plans



GSE: S6E1
Lexile®: 790L
GR: S
Item: 84737
\$48.99



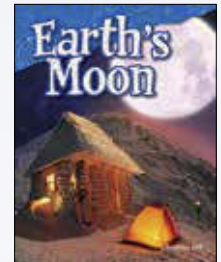
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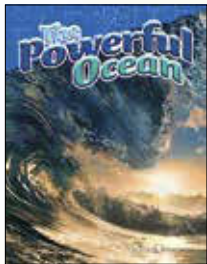
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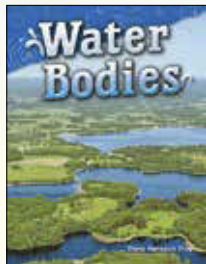
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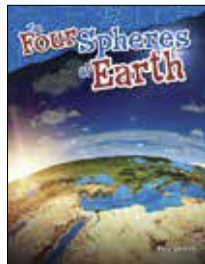
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Item: 84741
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GSE: S6E3
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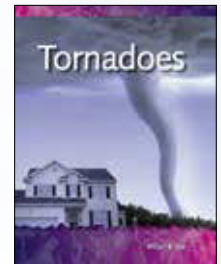
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GSE: S6E4, S6E5
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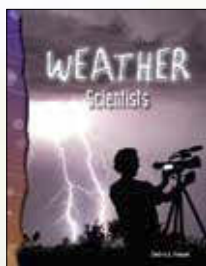
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GR: T
Item: 84745
\$48.99



GSE: S6E4
Lexile®: 710L
GR: Q
Item: 84746
\$43.99



GSE: S6E4
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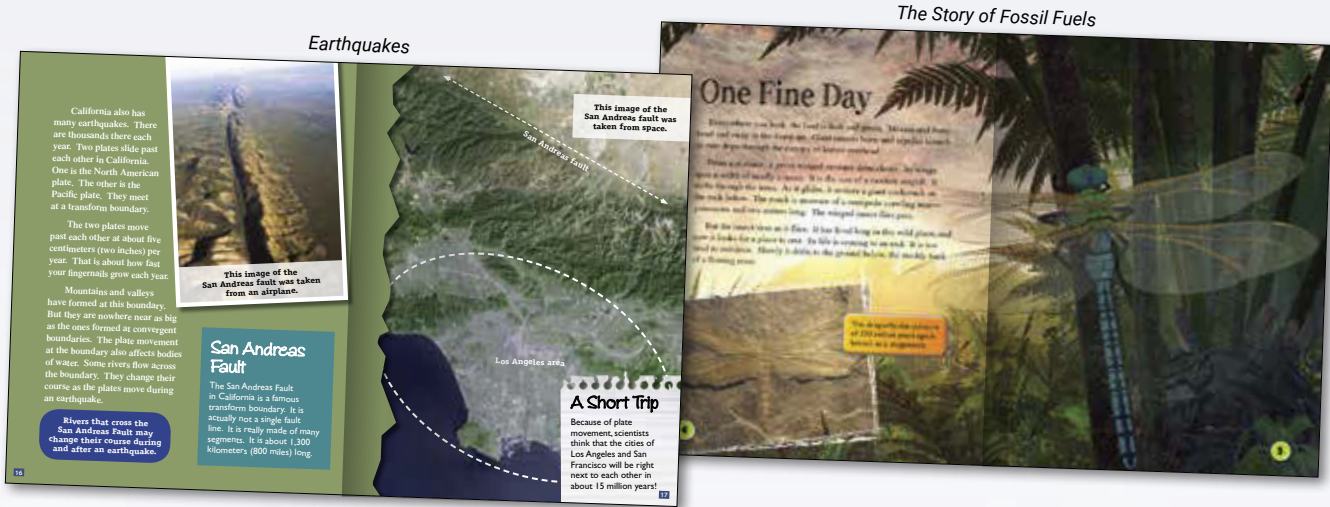
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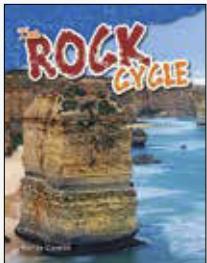
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Item: 84750
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GSE: S6E5
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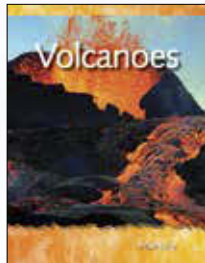
Earth Science 6-Packs with lesson plans (cont.)



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Lexile®: 750L
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Item: 84752
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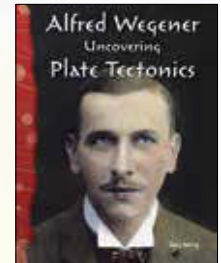
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Item: 84753
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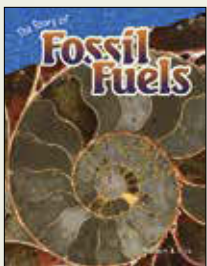
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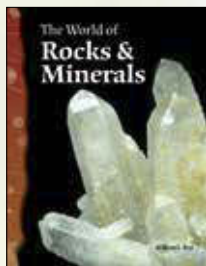
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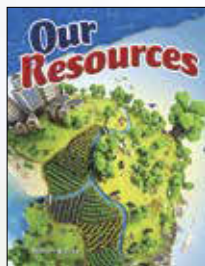
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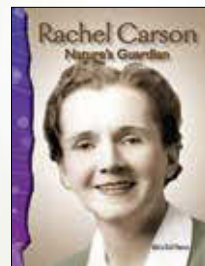
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Item: 84757
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GSE: S6E6
Lexile®: 730L
GR: R
Item: 84758
\$48.99



GSE: S6E6
Lexile®: 730L
GR: R
Item: 84759
\$48.99



GSE: S6E6
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GSE: S6E6
Lexile®: 670L
GR: P
Item: 84761
\$48.99

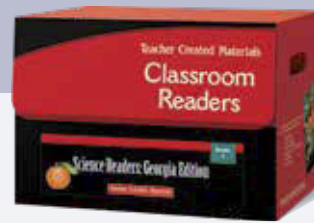
Science Readers: Georgia Edition Grade 6

Title	Item	Price
Complete Kit (6-Packs of the 25 titles shown, plus lesson plans and digital resources)	84947	\$1,374.99
Add-On Pack (Single copy of each reader; 25 titles total)	84956	\$180.99

See page 19 for additional resources.

Grade 7

Informational text and captivating photos bring middle-school science standards to life. 5E-modeled lessons and interactive lab activities are included to balance scientific facts and concepts.



The World of Genetics

Lab: Make Your Own Light Microscope

Make this simple light microscope to see how early biologists examined their specimens.

Materials

- two magnifying glasses
- a newspaper article
- a photograph
- a paper and pen to record your results

Procedure

- 1 Hold one magnifying glass just above the surface of the newspaper article. Then, hold it above the photo. The print and image should appear larger.
- 2 Move the magnifying glass higher. See how the print and photo change. They should become blurred as you move the magnifying glass higher.
- 3 Return the magnifying glass to the original position. Place it just above the newspaper article and photo.
- 4 Get the second magnifying glass. Place it between the first magnifying glass and your eyes.
- 5 Move the second magnifying glass up and down. Get the print and photo in clear focus. How do they look?
- 6 Describe what happens. Do they appear larger or smaller than they did when you used a single magnifying glass?
- 7 Record your results.

Life and Non-Life in an Ecosystem

Earth, Our Home

Earth, it's home. But what is it about the place called Earth that makes it so remarkable to us here on Earth?

Whether you live in a big city, a quiet rural community, or somewhere in between, you can see that there is a lot to like and love about the life and non-life on Earth. From the plants and animals that surround you to the weather and the air you breathe, there are many things that make Earth a special place to live. In this interactive activity, you will explore the many ways that life and non-life are connected on Earth. You will also learn about the many ways that Earth is a special place to live.

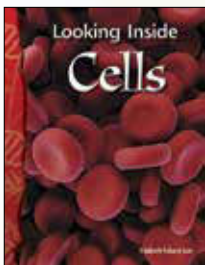
Life on Earth

Many scientists believe that if there were a planet like Earth in another part of the universe, it would have a lot of life on it. They think that life on other planets is possible. They think that life on other planets is possible. They think that life on other planets is possible.

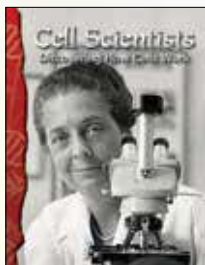
Search for Mars

In 2012, NASA sent the Mars rover Curiosity to Mars. The rover will be looking for signs of life on Mars. It will be looking for signs of life on Mars. It will be looking for signs of life on Mars.

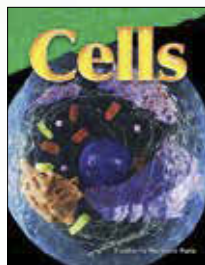
Life Science 6-Packs with lesson plans



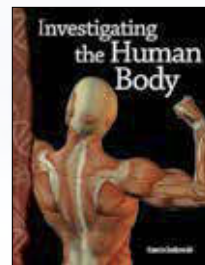
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Lexile®: 610L
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Item: 84763
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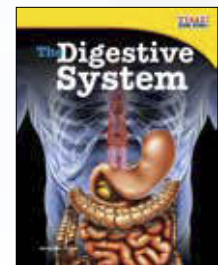
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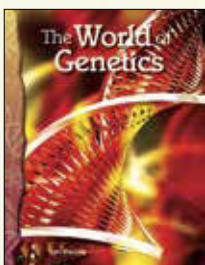
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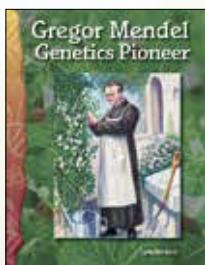
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GSE: S7L2
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Item: 84767
\$48.99



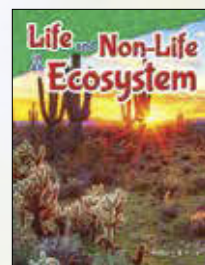
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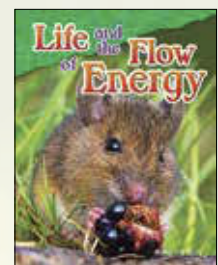
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Lexile®: 660L
GR: P
Item: 84769
\$48.99



GSE: S7L3
Lexile®: 820L
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Item: 84770
\$48.99



GSE: S7L4
Lexile®: 800L
GR: S
Item: 84771
\$48.99



GSE: S7L4
Lexile®: 750L
GR: R
Item: 84772
\$48.99

Cells

Cell by Cell

Have you ever built something with plastic building blocks? You can make houses, people or airplanes just by using blocks in the right shapes. The more types of blocks you have, the more types of things you can build. If you have blocks with wheels attached, you can make a toy car that rolls. If you have blocks of different colors and sizes, you can make all sorts of fun patterns as you build.

Look around at all the living things near you. Plants and animals aren't made of building blocks. But every living thing is made of tiny cells. Some organisms have only one cell. They are **unicellular**. But almost every living thing that you see is made up of many, many tiny cells. Organisms made of more than one cell are **multicellular**. Each of these cells has its own job to do. Cell by cell, they work together to do everything an organism needs to stay alive. That's why biologists often call them "the building blocks of life."

Billions
Unicellular, or single-celled, organisms have been on Earth for approximately 2.8 billion years. Yes, billion with a B!

The number of cells on Earth is unmeasurable, but there are more cells in one human than there are animals on Earth!

Traits for Survival

Soooo BIG!

Little kids like to play the So Big game, making themselves as big as they can be. For many animals, So Big is an adaptation that helps them survive. When faced with a threat, their instincts kick in. They make themselves seem larger than they are.

One of the weirdest examples of this is the puffer fish. When it gets scared, it takes in air or water in a special sac in its body. Then, it blows up like a balloon. It only takes a few seconds to do this! It can let out the air and water pretty quickly, too, and go back to its normal size.

The frilled lizard and cobra use size as a warning, too. The frilled lizard flares its frill, and the cobra flares its hood. The flare is its way of saying, "I'm warning you. Back off!"

How to Scare a Bear
If you are out in the woods and get a bear, keep your distance. But if you can't avoid the bear, use what you know about adaptations to help you:
1. Make a lot of noise.
2. Stand with your friends and family to make your group look more threatening.
3. Spread your arms over your head to appear as large as possible.

Definitely Not Bambi!
Does one catch and swing, right? Not the fringed! The moose uses its fringes to fight other males for a mate. If one does knock down the other, its fringes will finish the job.

A Frilled Lizard Gets Its Act

Inside Ecosystems and Biomes

Taiga

Just south of the tundra is the largest land biome. It is called taiga. Winters are long and cold. Summers are short and cool.

Evergreen trees can grow in the taiga. They do not lose their leaves in the winter. Animals that need trees can live in taiga, too. Birds nest in the trees. Deer hide in the shade.

The taiga covers much of Canada, Russia, and China. Grizzly bears, eagles, deer, and bats make their homes in these pine forests. This environment also has lakes, bogs, and rivers.

Protecting the Original Taiga
Most of the Russian Federation is covered by taiga. In fact, the word *taiga* comes from Russian. There are more cells in one human than there are animals on Earth!

Black Bear
Some black bears live in the taiga. They eat salmon, fruits, and rodents. They also eat berries, leaves, and even mice! Because it's so cold in the taiga, bears have to eat anything they can to keep warm. Black bears are also big and strong. They are able to dig out the other animal's adult bears. This makes them apex predators. Such a predator would appear at the top of an energy pyramid.

Pioneering Ecologists

Leopold's work helped create two laws. The first was passed in 1909. It is the National Environmental Policy Act. It states that the government must first think about the environmental effects of any land use. This means that a mall cannot be built without a study to find out how to not harm the ecosystem.

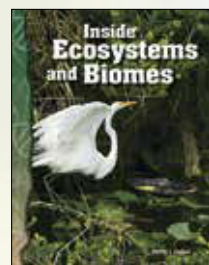
The second law is the Endangered Species Act of 1973. It protects plants, animals, and their ecosystems from becoming extinct.

DDT
Rachel Carson was also concerned about animals. She wondered how chemicals affected them. She studied DDT. It was sprayed to kill bugs. She found that DDT killed much more than bugs. The birds that ate the bugs were dying, too. Carson said that people fight to stop using DDT, but we should be so much safer. Her 1962 book, *Silent Spring*, made U.S. leaders aware that DDT was dangerous. They banned DDT so no one could use it.

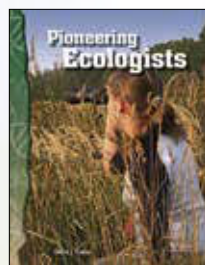
The duck blind is now extinct.
Today's laws may have helped it to avoid extinction.

When crops were sprayed with DDT, many people on the island. It is found inside the tin in one place. When the tin was used, it made people sick.

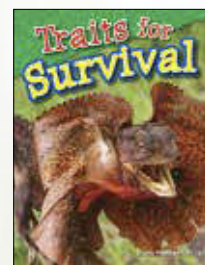
Life Science 6-Packs with lesson plans (cont.)



GSE: S7L4
Lexile®: 700L
GR: Q
Item: 84773
\$48.99



GSE: S7L4
Lexile®: 690L
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Item: 84774
\$48.99



GSE: S7L5
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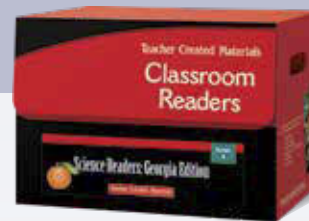
Science Readers: Georgia Edition Grade 7

Title	Item	Price
Complete Kit (6-Packs of the 13 titles shown, plus lesson plans and digital resources)	84948	\$729.99
Add-On Pack (Single copy of each reader; 13 titles total)	84957	\$95.99

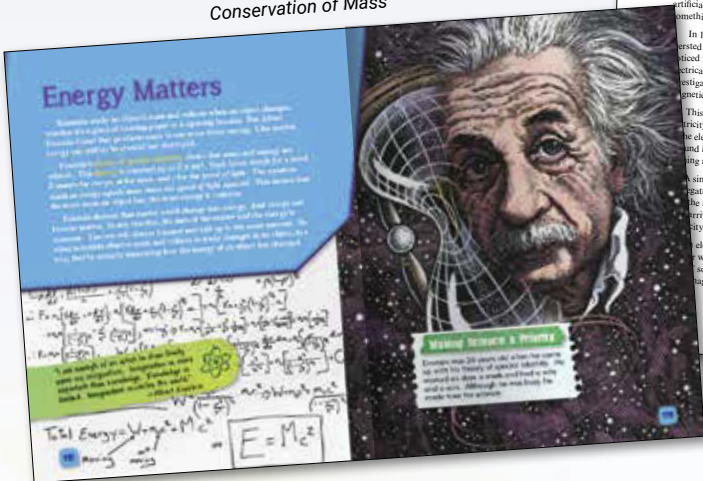
See page 19 for additional resources.

Grade 8

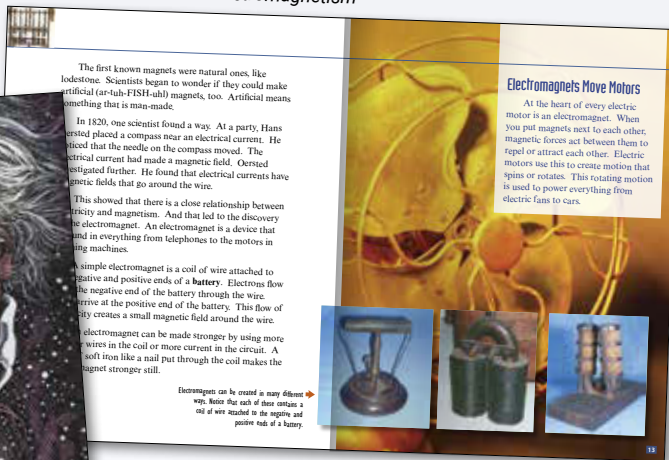
Align to new Georgia science standards, teach STEM themes, and develop students' critical thinking with these engaging readers. Hands-on science experiments and in-depth lesson plans are included to help students grasp critical science concepts.



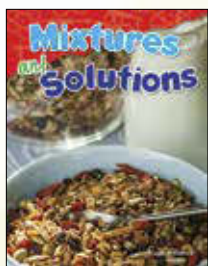
Conservation of Mass



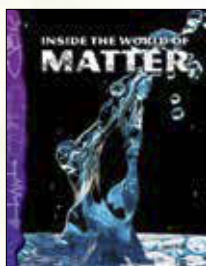
Electromagnetism



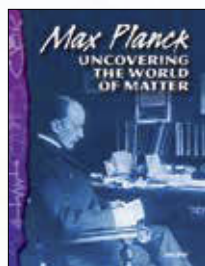
Physical Science 6-Packs with lesson plans



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Lexile®: 740L
GR: R
Item: 84776
\$48.99



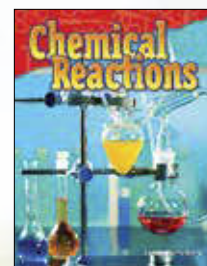
GSE: S8P1
Lexile®: 670L
GR: P
Item: 84777
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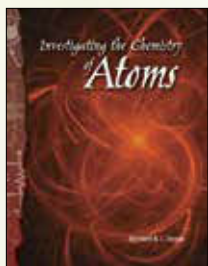
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Lexile®: 660L
GR: P
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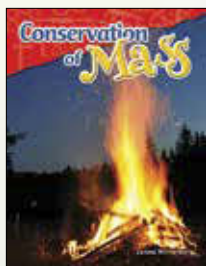
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Lexile®: 810L
GR: T
Item: 84779
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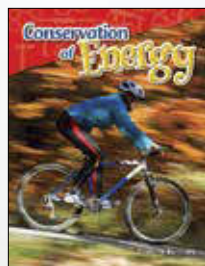
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Lexile®: 720L
GR: R
Item: 84780
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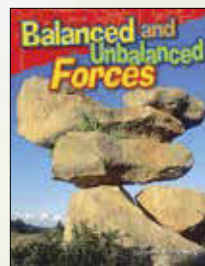
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Lexile®: 690L
GR: P
Item: 84781
\$48.99



GSE: S8P1, S8P2
Lexile®: 720L
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GSE: S8P2, S8P3
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GR: S
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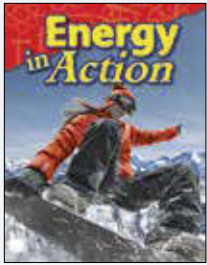


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Item: 84784
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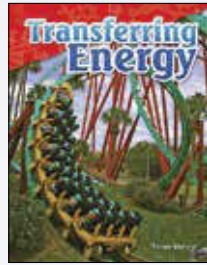


GSE: S8P3
Lexile®: 830L
GR: U
Item: 84785
\$59.99

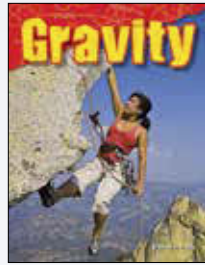
Physical Science 6-Packs with lesson plans (cont.)



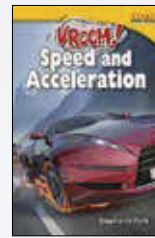
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Item: 84786
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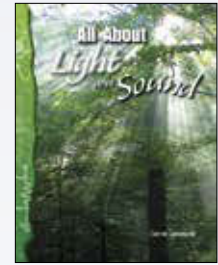
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Lexile®: 700L
GR: S
Item: 84787
\$48.99



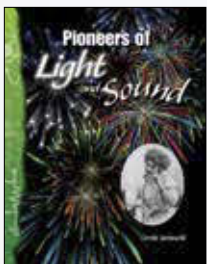
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GR: Q
Item: 84788
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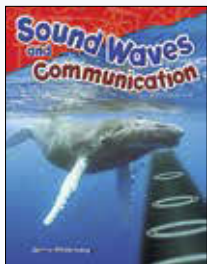
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Lexile®: 810L
GR: U
Item: 84789
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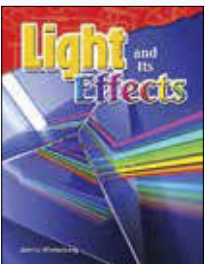
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GSE: S8P4
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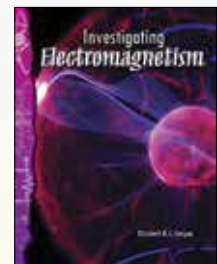
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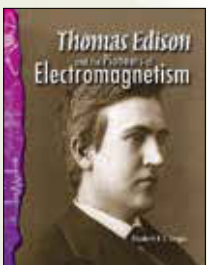
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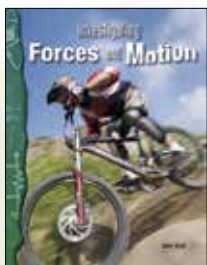
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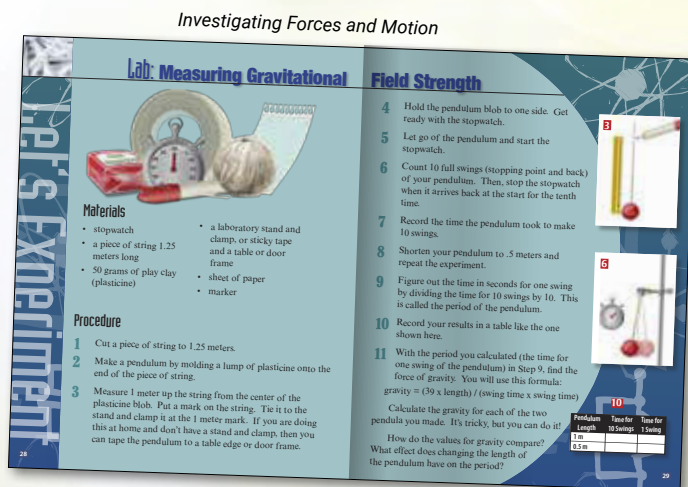
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Lexile®: 770L
GR: S
Item: 84795
\$48.99



GSE: S8P4, S8P5
Lexile®: 690L
GR: P
Item: 84796
\$48.99



GSE: S8P5
Lexile®: 810L
GR: T
Item: 84797
\$48.99



Science Readers: Georgia Edition Grade 8

Title	Item	Price
Complete Kit (6-Packs of the 22 titles shown, plus lesson plans and digital resources)	84949	\$1,329.99
Add-On Pack (Single copy of each reader; 22 titles total)	84958	\$164.99

See page 19 for additional resources.

Additional Resources

Enrich your science curriculum with additional resources that align to the Georgia Standards of Excellence. Choose from a variety of complete kits with professionally developed lesson plans and engaging student activities that encourage scientific thinking.

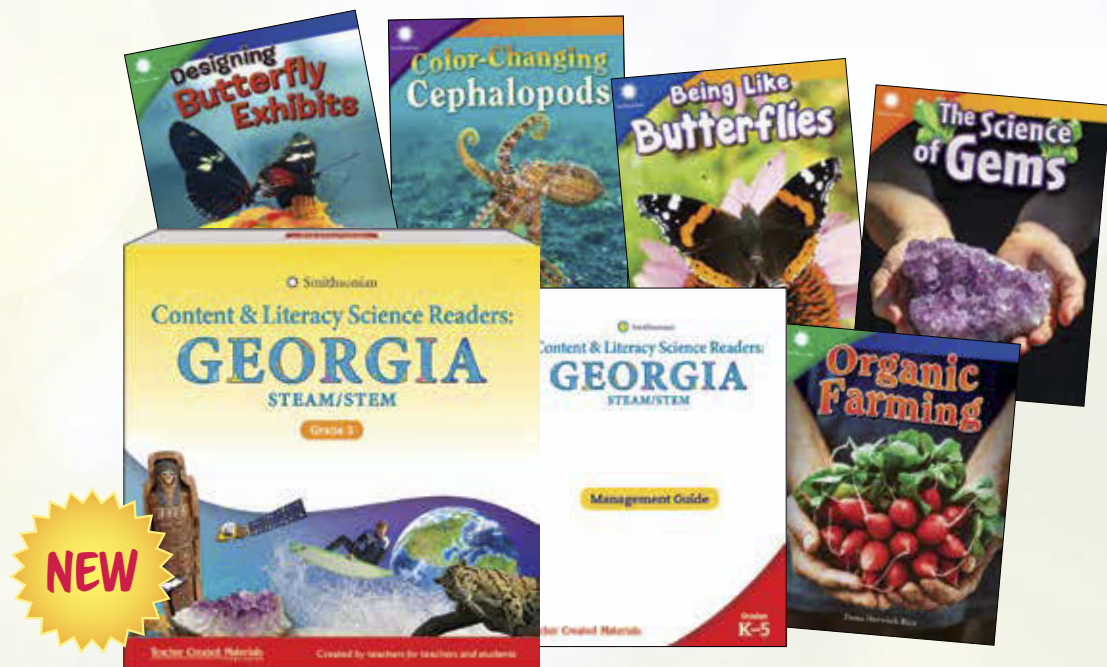


Content & Literacy Science Readers: GEORGIA STEAM/STEM

Inspire curiosity, perseverance, and wonder about the world!

Each kit includes:

- **Books**—10–12 titles, 6 copies each, with a STEAM challenge in each reader
- **Lessons** that strengthen content-area literacy, critical thinking, and problem solving
- **Management Guide** to integrate STEAM/STEM into literacy instruction
- **A Culminating Activity** to challenge students to solve real-world problems
- **Digital Resources** including Interactiv-eBooks, audio, and student activities



Title	Item	Price
Grade K Georgia STEAM/STEM Complete Kit	111129	\$549.99
Grade 1 Georgia STEAM/STEM Complete Kit	111130	\$619.99
Grade 2 Georgia STEAM/STEM Complete Kit	111131	\$639.99
Grade 3 Georgia STEAM/STEM Complete Kit	111132	\$699.99
Grade 4 Georgia STEAM/STEM Complete Kit	111133	\$699.99
Grade 5 Georgia STEAM/STEM Complete Kit	111134	\$639.99

DISCOVERING SCIENCE through INQUIRY

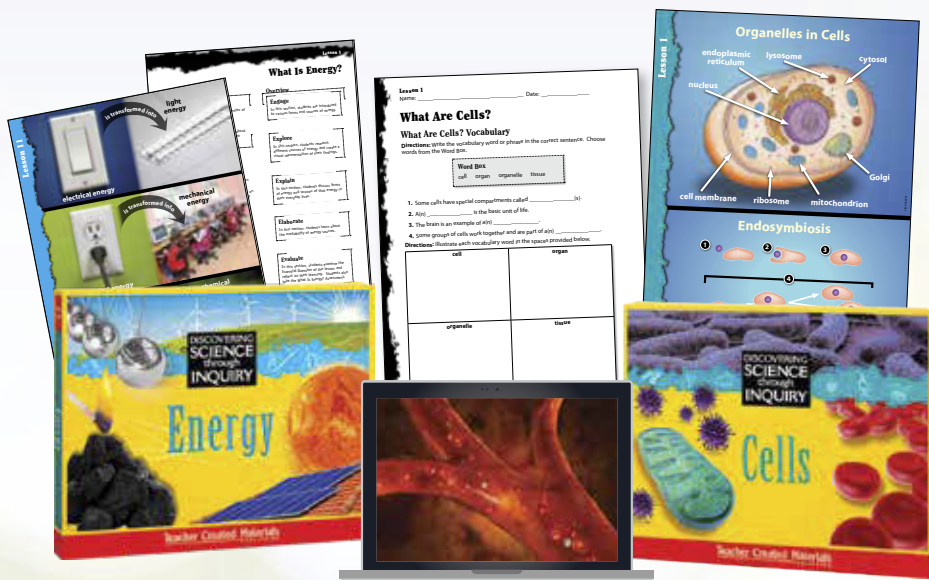
Life, Physical, and Earth and Space Topics
Grades 3–8

Each kit includes:

- 16 Inquiry Cards in print and digital formats
- Teacher's Guide
- Inquiry Handbook
(Each kit includes a single copy; additional copies can be ordered.)

Digital resources

- ✓ Digital versions of activities and additional teacher resources, including images and assessment tools
- ✓ Leveled student background pages to support differentiation
- ✓ Video clips to provide context



Complete Kits • \$249.99 each

Title	Complete Kits	Inquiry Handbooks	Title	Complete Kits	Inquiry Handbooks
Life Science			Physical Science (cont.)		
Biomes and Ecosystems	10478	12268	Forces and Motion	10477	12267
Cells	12367	12373	Light and Sound	12368	12374
Ecology and the Environment	12370	12376	Matter	10799	12451
Living Organisms	10800	12452	Earth and Space Science		
Physical Science			Earth Systems and Cycles	10798	12450
Electricity and Magnetism	12365	12371	Forces in Nature	10476	12266
Energy	13651	13657	The Solar System	12366	12372
			Rocks and Minerals	12369	12375

