Some of the questions today's teachers are asking...

- Will my under-performing students meet grade level standards?
- Where can I find motivating, effective digital resources?
- Can I teach reading through science using quality texts?
- Do I have time to teach reading and science?
- How can I cover all reading and science standards in one school year?
- Which reading strategies work best to help all my students perform well on state tests?

_National Geographic Panorama: Science_ was created to help teachers meet these classroom needs.
Welcome to National Geographic

Panorama SCIENCE
for Kindergarten through Grade 6

Reading Through the Lens of Science

Panorama: Science brings together reading and science to:
• Engage students in meaningful topics and text
• Save teachers valuable classroom time
• Increase reading levels and test scores

Available in English and Spanish!
Teacher Materials

Teacher's Guides

All teacher resources are available in digital format. Additional instruction, assessment, and customization available at NGLsync.cengage.com

Assessment Handbooks
Student Materials

All materials are available in print and online. Digital versions include more content and interactivity.

**English titles, K–6**

- 24–30 texts per grade level
- Texts grouped by life, earth, and physical science
- Authentic fiction in English and Spanish

**Spanish titles, K–6**

- National Geographic nonfiction
- Nonfiction texts are the same title in English and Spanish
- Nonfiction texts include modified text online (grades 3–6)

**Interactive Worktext, K–6**

**Digital Resources**
Preparing Students for Success

- Program includes six units at each grade, plus a Get Ready unit to start the year (life, earth, and physical science)
- Every unit is built around a science strand and Big Question.
- On-level, high-interest fiction and nonfiction texts are accessible to all students.
- Differentiating instruction instead of text ensures all students reading success.

Proven instruction helps students access complex texts and increase reading levels.

Analyzing text lessons help students think critically about the text.

Text-dependent scaffolded questions differentiate learning to meet the needs of English Learners, Below Level readers, On Level readers, and Above Level readers.

Customize your instruction by skill/standard or science topic.

Customize your instruction by student reading levels.
Close Reading lessons with text-dependent questions and collaborative discussions get students to reread and unpack complex texts.

Text complexity analysis details what is complex about each text.

Modified text, an alternate lower-level text for nonfiction books, assists students in grades 3–6 who need additional support.

Assessment

Key Word Tests in eAssessments

Reading Skills and Strategy Tests in eAssessments

Online Report in eAssessment

Unit Self-Assessment

Oral Reading Fluency Tests

Assessment Handbooks available in print and online.
Compelling Student Materials

*National Geographic Panorama: Science* is a highly flexible program with components available both in print and online. Science-based content inspires students to engage with and learn more about the world around them.

The same content is available online or in a print book and Interactive Worktext.
My Vocabulary Notebook is an online, interactive tool where students can record and practice new words.

National Geographic videos start each unit to build science background.

Patterned Readers align to each book in kindergarten through grade 2.

Content Connections extend content knowledge.

My Vocabulary Notebook is an online, interactive tool where students can record and practice new words.

Family Newsletters share learning at home.
Instructional Path

**Get Ready**
- Establish routines and teach key skills.

**Introduce**
- Teach science concepts, vocabulary, and reading skills and strategies.

**Read and Analyze**
- Guide comprehension with critical thinking and scaffolded questions.

**Reread: Close Reading**
- Model how to analyze complex passages for deeper understanding.

**Integrate Information**
- Facilitate collaborative discussions and writing to sources to respond to each book.

**Assess**
- Test knowledge gains in vocabulary, fluency, and reading comprehension.
Flexible Options

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

**As a core reading comprehension program**

Use *Panorama: Science* with your own phonics, grammar, and writing resources to create complete language arts instruction.

**With a core reading program**

Use your current reading program and add *Panorama: Science* for additional reading comprehension instruction in whole group, small group, and independent practice.

**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.

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**Professional Learning** Learn more about the Close Reading Routine.

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Embedded Professional Learning throughout *Panorama: Science* supports the variety of ways you use it.
National Geographic Panorama: Science is a highly flexible digital K–6 program with print components available in English and Spanish.

Science-based content inspires students to engage with and learn more about the world around them.

Reading

- Panorama: Science is grounded in the most recent reading research
- Panorama: Science puts students into complex texts while providing strategies to access those texts

Program Authors

Nancy Frey  Deborah Short  Nonie Lesaux  Jennifer Turner  Lada Kratky  Sylvia Linen-Thompson

Science

- Panorama: Science will engage students and immerse them in exploration through the lives of National Geographic Explorers
- Students will learn about the lives of Explorers as well as read exclusive articles written by Explorers

National Geographic Explorers

Malcolm Hodgskiss is a geologist. He studies rocks that are 3-8 times older than dinosaurs. He works in the Arctic and focuses on understanding the evolution of the Earth system.

Molly Ferrill is a photographer and writer who tells stories about relationships between nature and people. As a National Geographic Young Explorer, she documented the unique relationship between elephants and people in Myanmar.

Munazza K. Alam is an astronomer. She has studied the universe using enormous telescopes in observatories in Chile, Hawaii, and Arizona. She hopes to discover and characterize the first Earth-like planets in the universe.

Learn more at NGL.Cengage.com/School