

OVERVIEW BROCHURE



Panorama SCIENCE

Reading Through the Lens of Science

GRADES K-6



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?

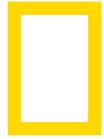
Can I teach reading through science using quality texts?

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

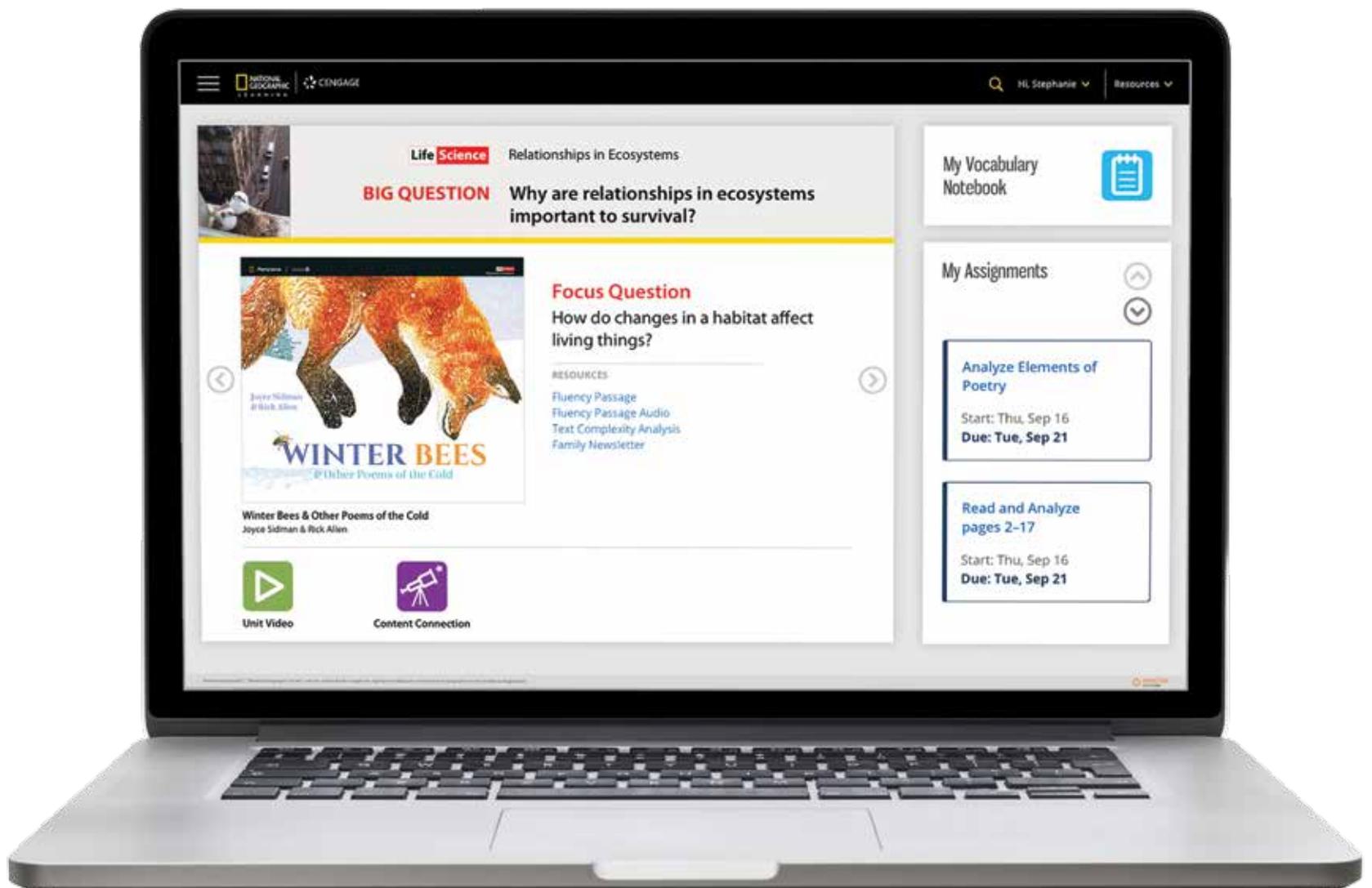
for Kindergarten through Grade 6

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

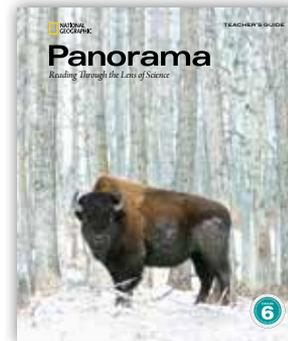
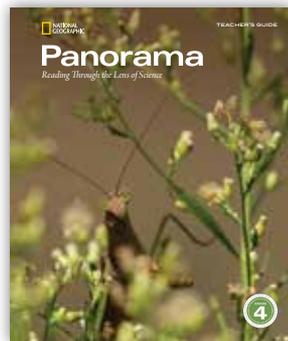
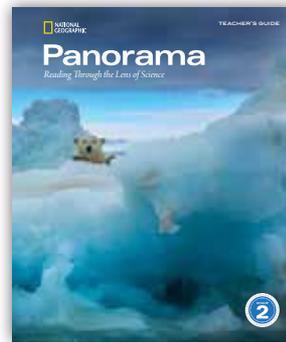
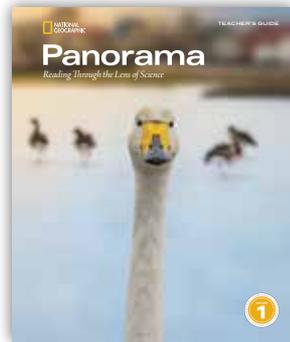
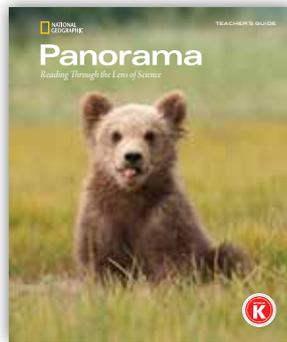
Covers all CCSS Reading Literature and Informational Text Standards and NGSS Disciplinary Core Ideas



Available in English and Spanish!

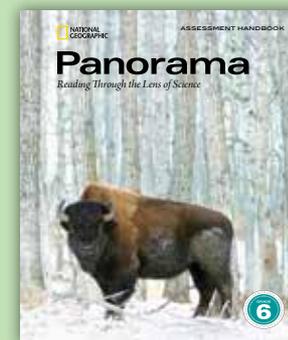
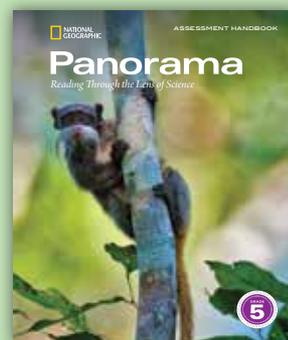
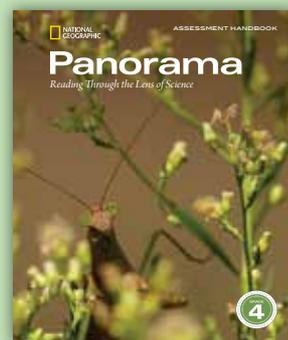
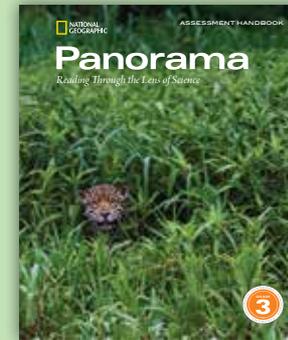
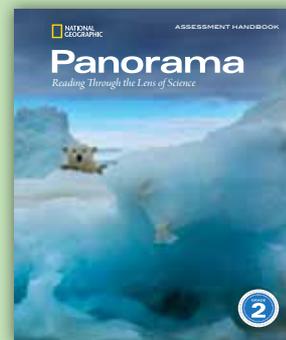
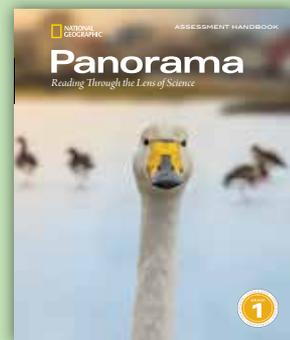
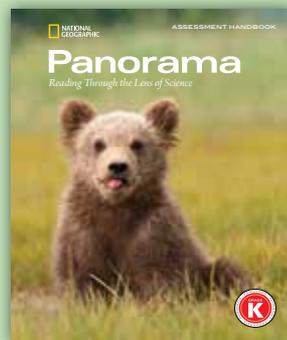
Teacher Materials

Teacher's Guides



All teacher resources are available in digital format. Additional instruction, assessment, and customization available at [NGLsync.cengage.com](https://www.nghsync.com)

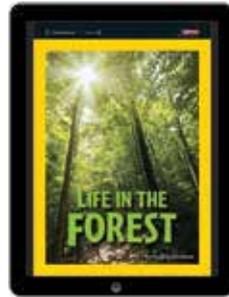
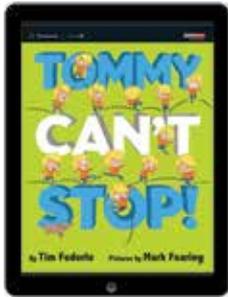
Assessment Handbooks



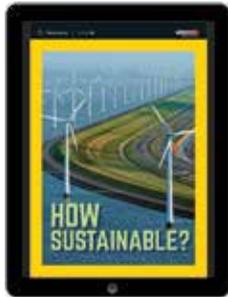
Student Materials

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



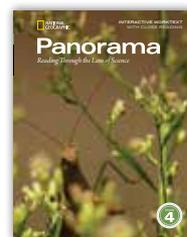
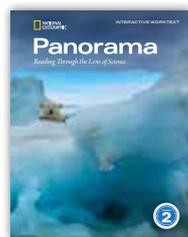
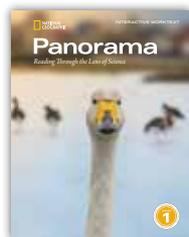
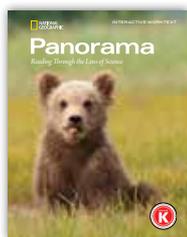
Spanish titles, K–6



- 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

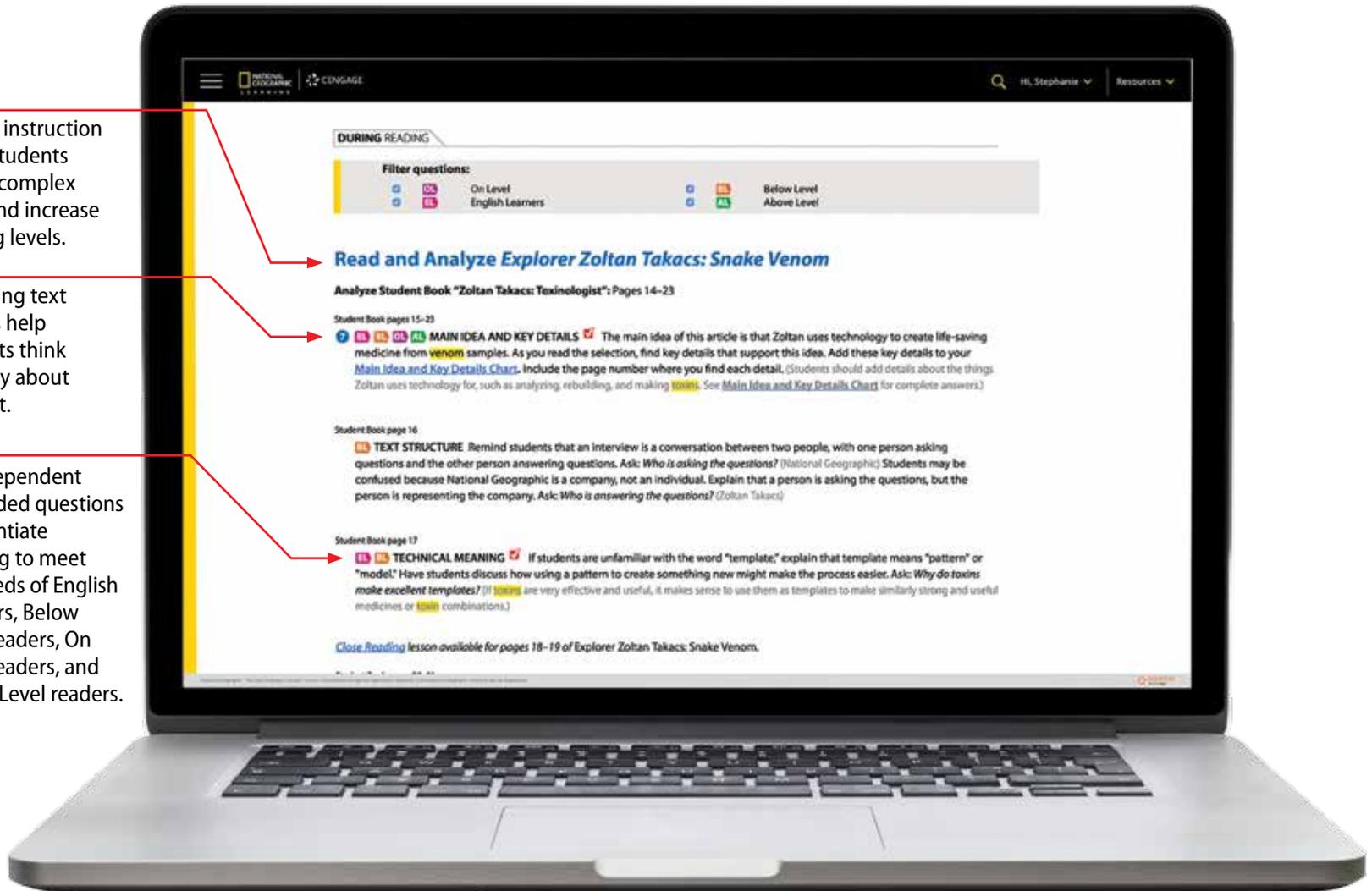
Preparing Students for Success

- 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.

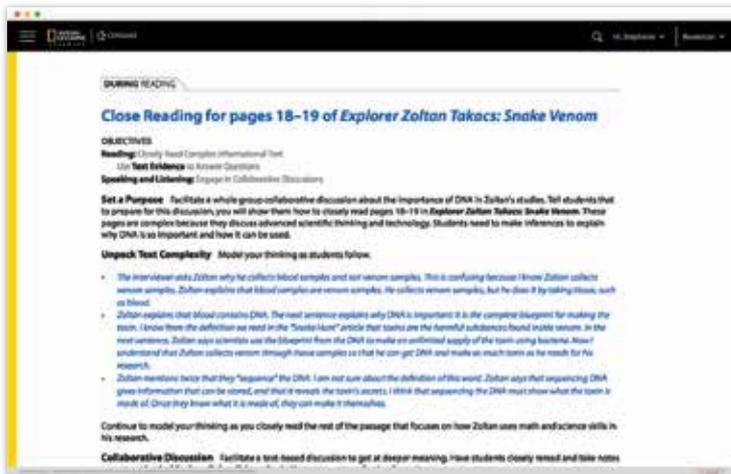
Analyzing text lessons help students think critically about the text.

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.

Big Storm
by Christopher Siegel, Richard Easby, & Stacey Klamon
Lexile: 720L | Guided Reading Level: Q

	LOW	MODERATE	HIGH
Levels of Meaning/Purpose			
Explicit purpose	•		Implicit purpose
Structure			
Simple text		•	Complex text
Explicit text structure	•		Implicit text structure
Common genre traits		•	Discipline-specific traits
Simple graphics			Sophisticated graphics
Supplemental graphics		•	Essential graphics
Language Conventinality and Clarity			
Literal language	•		Figurative language
Clear language	•		Ambiguous language
Contemporary language	•		Archaic language
Conversational language		•	Academic language
Knowledge Demands			
Requires everyday knowledge		•	Requires specialized knowledge
Low intertextuality	•		High intertextuality

OVERALL RATING: **MODERATE**

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



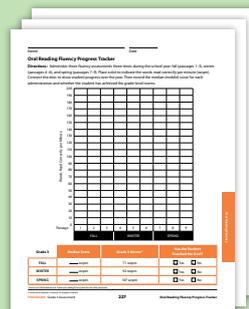
Reading Skills and Strategy Tests in eAssessments



Online Report in eAssessment



Unit Self-Assessment



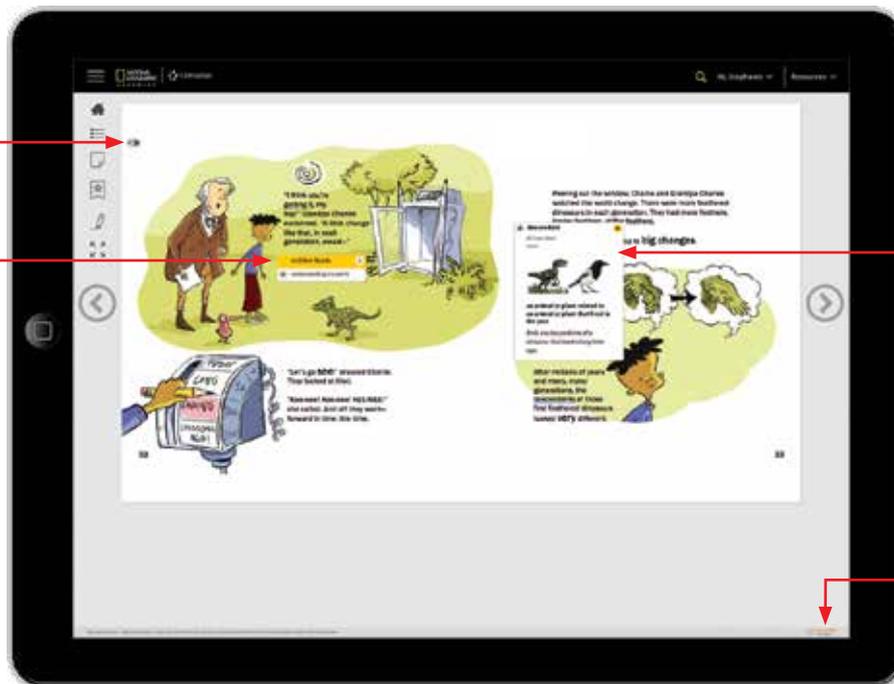
Oral Reading Fluency Tests



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.

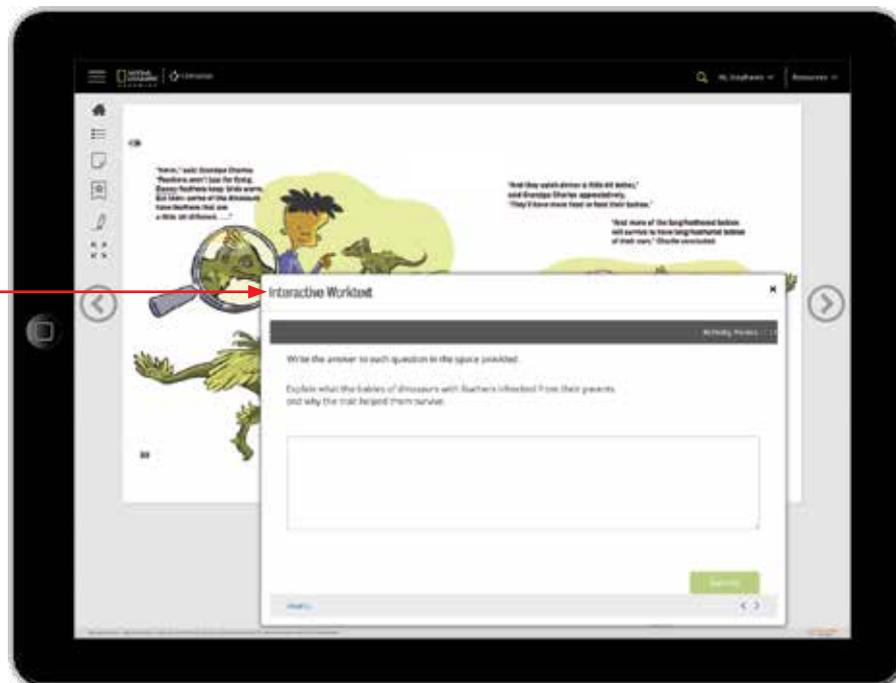


Audio for all selections

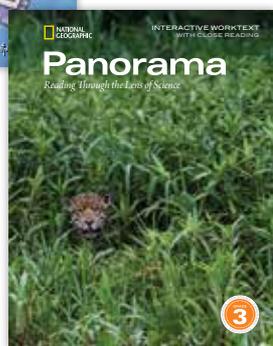
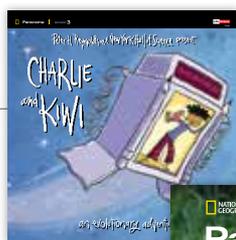
Challenging words and idiomatic phrases are defined in context for English learners.

Students listen to, see, and read Key Word definitions.

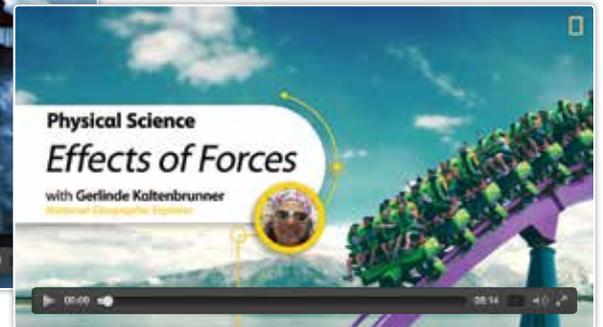
Powered by **MindTap™** through **NGLSync.Cengage.com**



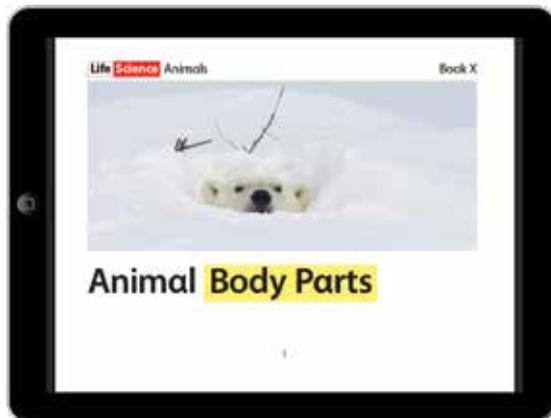
Text-based questions at point of use



The same content is available online or in a print book and Interactive Worktext.



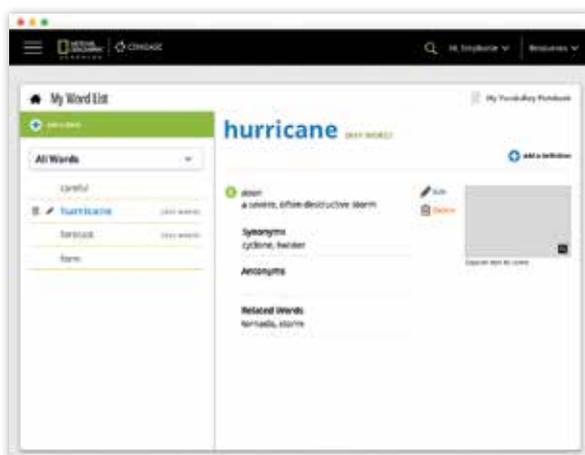
National Geographic videos start each unit to build science background.



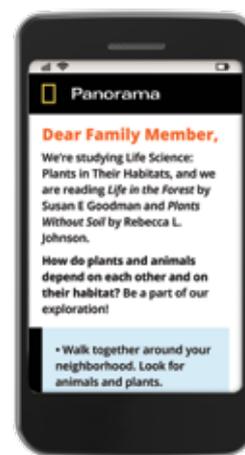
Patterned Readers align to each book in kindergarten through grade 2.



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.

Professional Learning Learn more about the Close Reading Routine.

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.

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