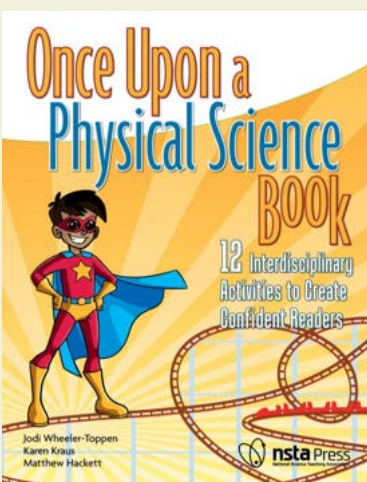


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## Boost skills in science and reading at the same time.

Integrating literacy instruction with physical science lessons helps boost students' skills in both science and reading. This practical guide presents reading-comprehension strategies for middle school students. It delivers hands-on physical science lessons paired with readings that cover key physical science concepts, writing activities to help students connect what did with what they read, and assessment exercises.

ISBN: 9781681407412 | (August 2020) 7" x 10", 200 pages | Price: \$26.20  
Audience: K–12 science teachers, grades 6–8

## ADI helps students figure things out—not just learn about things.

This guide shows how to use argument-driven inquiry (ADI) in elementary classrooms (fifth grade). It prompts students to use argument to construct, support, and evaluate scientific claims. It includes 16 field-tested lessons on matter and its interactions; motion and stability; ecosystems and their interactions, energy, and dynamics; Earth's place in the universe; and Earth's systems.

(Teacher) ISBN: 9781416629108 | (October 2020) 8-1/2" x 11", 720 pages | Price: \$50.35  
(Student) ISBN: 9781681405735 | (October 2020) 8-1/2" x 11", 264 pages | Price: \$29.95



## Integrate engineering and literacy with this “novel” approach.

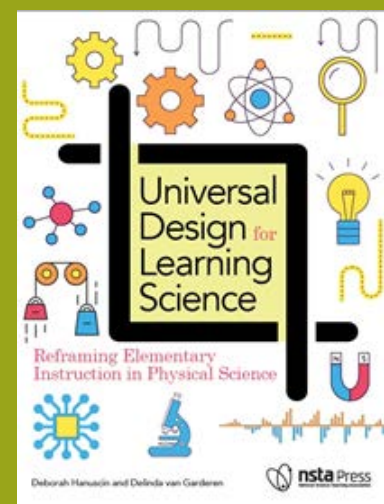
This book shows how students can work through engineering design challenges inspired by a broad range of literature—novels, short stories, biographies, or even picture books. The approach leads students to pull information from literature to identify a problem and then use details from the text and an engineering design process to develop solutions for their “clients”—the book's characters.

ISBN: 9781681406428 | (April 2020) 8-1/2" x 11", 318 pages | Price: \$41.95  
Audience: Science teachers, grades preK–8

## Reframe lessons in physical science to reflect how students learn.

This book inspires teachers to reframe their lessons to reflect how students learn and to support the success of all students. It shows how to use existing curricula and resources while identifying barriers to learning and possible solutions—in other words, as the authors say, “using a sharper knife, a bigger fork, or a deeper spoon to more effectively deal with what's already on your plate”!

ISBN: 9781681406954 | (April 2020) 8-1/2" x 11", 295 pages | Price: \$31.45  
Audience: Science teachers, grades 3–5



## Uncover what students know—or think they know.

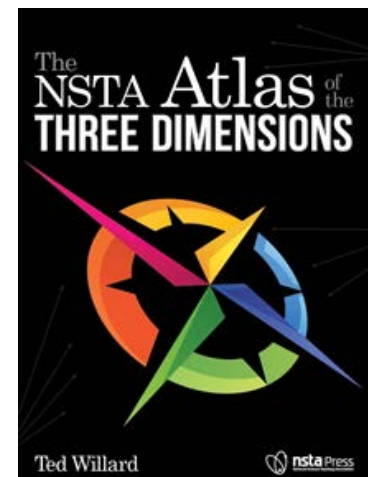
This guide delivers engaging questions, known as formative assessment probes, that are designed to uncover student ideas about technology and engineering. These field-tested teacher materials provide best answers along with distracters designed to reveal preconceptions and misunderstandings that students commonly hold. The new probes are short and easy-to-administer.

ISBN: 9781681403113 | (March 2020) 8-1/2" x 11", 200 pages | Price: \$39.95  
Audience: Science, engineering, & technology teachers, grades 3–12

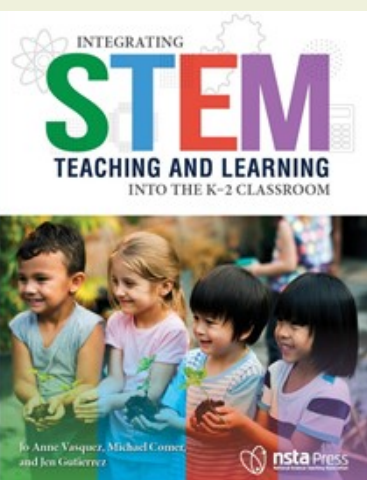
## Navigate core ideas and learning progressions in science and engineering.

This user-friendly guide is a powerful navigation tool to help science teachers understand how ideas build on one another and relate to each other. It helps trace the prerequisites for understanding science in every grade, makes the appropriate connections to support science content, and shows the way to the next steps in students' science education.

ISBN: 9781681406080 | (May 2020) 8-1/2" x 11", 225 pages | Price: \$73.45  
Audience: Science teachers, grades preK–12



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## STEM isn't just for the big kids anymore!

Based in both research and real-world experience, the authors show teachers how to blend authentic, phenomena-driven, integrated STEM teaching and learning into busy K–2 classrooms. They provide professional learning experiences that help teachers make connections between STEM topics and the everyday activities they are already doing with their students.

ISBN: 9781681406206 | (March 2020) 8-1/2" x 11", 165 pages | Price: \$31.45  
Audience: Science teachers, grades preK–2

## Create high-quality STEM classroom materials.

Education thought leader Rodger Bybee shows how to create coherent, high-quality classroom materials that make standards and STEM work together in ways that are effective for learning and practical for teaching. He gives teachers the background information and activities needed at each step of creating standards-based STEM units, whether developing a STEM program, adapting current materials, or creating new ones.

ISBN: 9781681406268 | (April 2020) 8-1/2" x 11", 190 pages | Price: \$32.45  
Audience: Science teachers, instructional designers, grades K–12



## STEM ROAD MAP CURRICULUM SERIES

This bestselling series is a flexible resource that infuses real-world learning into K–12 classrooms. Each of the 19 titles steers students toward authentic problem solving while grounding them in integrated STEM disciplines with an interdisciplinary module that uses project- and problem-based learning. Students will explore content, develop conceptual understanding of technology innovations, use inquiry activities in science, and apply this knowledge to a challenge working collaboratively.



### The Changing Earth, Grade 8

Challenge 8th graders to learn how to help people recognize the inherent risks of living in a region that's prone to flooding, earthquakes, and volcanoes.

ISBN: 9781681404684 | 260 pages | (April 2020) | Price: \$31.45

### Human Impacts on Our Climate, Grade 6

Challenge 6th graders to identify a local environmental problem, develop a model to help monitor and minimize its impact, and create presentation about their findings.

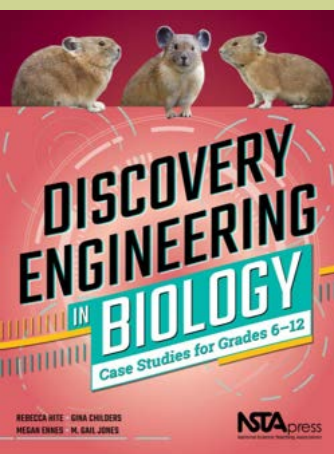
ISBN: 9781681404080 | 130 pages | (April 2020) | Price: \$31.45

### Healthy Living, Grade 10

Challenge 10th graders to develop a product that helps people embrace diet and exercise while they learn authentic problem solving grounded in STEM disciplines.

ISBN: 9781681404950 | 140 pages | (April 2020) | Price: \$31.45

## NSTA KIDS



## Make STEM come alive through engaging case studies.

Who knew that small, plant-eating mammals called pikas helped scientists find new ways to survive extreme weather events? Twenty lessons help students learn about amazing scientific advancements in a lively way that blends history, real-world perspectives, and engineering into biology or STEM curriculum. Case studies explore observations and accidental discoveries that led to the invention of new products and problem-solving applications.

ISBN: 9781681406145 | (November 2019) 8-1/2" x 11", 350 pages | Price: \$39.95  
Audience: Science, engineering, & biology teachers, grades 6–12

## Awake wonder with the *Next Time You See* series.

This newest title from the award-winning series helps elementary-age children experience the enchantment of everyday phenomena of bees. Written by veteran teacher Emily Morgan and designed for kids to experience with an adult—be it a parent, teacher, or friend—this book and series reminds us that we don't have to look far to find something remarkable in nature.

ISBN: 9781681406510 | (May 2019) 9-1/2" x 11", 32 pages | Price: \$12.95  
Rights sold (select series titles): Chinese (complex), Turkish

