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2022



Professional
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for Science
Educators
www.nsta.org

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Contact information for your NSTA Regional Representative can be found at www.nsta.org/nsta-regional-product-representatives.

Prices and availability are subject to change without notice. Visit www.nsta.org for the most up-to-date pricing.

BULK PRICING



Nonmembers receive a bulk discount on NSTA Press books according to the table below. You must purchase multiple copies of the same title or the same sets to get the bulk discount. (NSTA members receive a 20% discount on their entire order, regardless of the number of copies of any particular item.)

Nonmember Bulk Discounts on NSTA Press Books
(stock numbers beginning with PB, PA, or PK)

Quantity	Bulk Pricing
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20+	20%

www.nsta.org/bookstore-faqs

NSTA MEMBERSHIP

The Home of High-Quality, Vetted Science Teaching Resources

Daily Dos are sensemaking tasks teachers and parents can use to engage their students in authentic, relevant science learning.



Monthly Professional Learning Web Seminars

NSTA Web Seminars are live professional learning experiences that use online learning technologies to allow participants to interact with nationally acclaimed experts, NSTA Press authors, and scientists, engineers, and education specialists from NSTA partner organizations. NSTA members get free monthly web seminars as part of their membership.

Journals

NSTA members have access to four grade-range-specific journals as well as a journal that bridges in-school and out-of-school science teaching and learning.

Digital Access to All
5 NSTA Award-Winning
Journals



Join 40,000 dedicated teachers, science supervisors, administrators, informal educators, scientists, and business and industry representatives committed to science education.

Sign up today and take advantage of our new, flexible membership options.

UNCOVERING

Page Keeley | NSTA PRESS, GRADES K–12

NOW AVAILABLE Digital versions are now available of the same probes published in the printed *Uncovering Student Ideas* series. Teachers can easily gather and analyze data on the extent to which their students understand science concepts as well as uncover gaps or misconceptions that may not be visible with ordinary questioning.

The digital versions, in **English** and **Spanish**, integrate with **Google Classroom** and can be used in face-to-face or virtual classrooms. **Fillable PDFs** are included for student-selected responses and their explanations that are then returned to the teacher for analysis. Extensive teacher notes accompany each digital probe so that it can be used effectively. Digital probes can be purchased separately and are an excellent add-on to the printed *Uncovering Student Ideas* books.

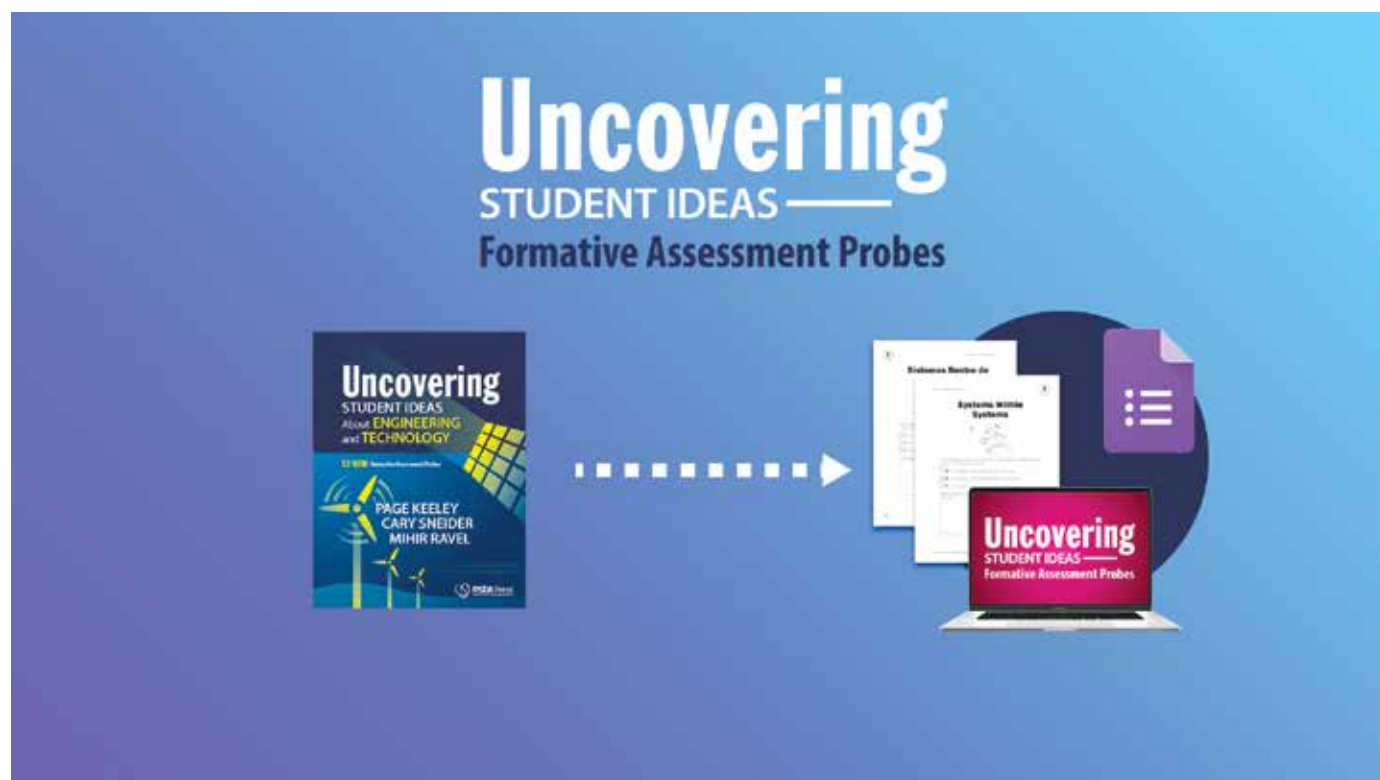
Set of digital probes: Members: \$23.95/Non-members: \$29.95

Uncovering Student Ideas, Volume 1, Second Edition

PB193X1E2_Probes

Uncovering Student Ideas About Engineering and Technology

PB455X_Probes



STUDENT IDEAS IN SCIENCE



Book

Members: **\$27.96**
Non-members: **\$34.95**



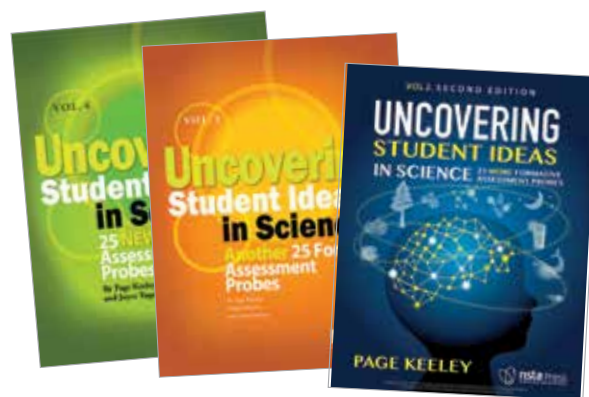
E-book

Members: **\$23.91**
Non-members: **\$29.88**

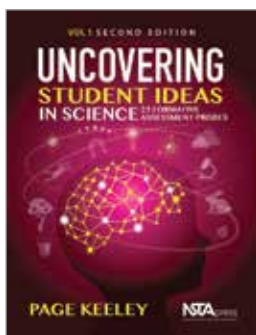


Book/E-book

Members: **\$38.25**
Non-members: **\$47.82**



Numerous teachers have taken advantage of the *Uncovering Student Ideas* series to reveal students' preconceptions. These books provide probes with easy-to-follow steps for uncovering and addressing students' ideas by promoting learning through conceptual change instruction. Probes cover topics such as physical, life, and Earth and space science; the nature of science; and unifying themes. These invaluable books include teacher materials that explain content, identify links to standards, and suggest grade-appropriate ways to present materials so students learn the concepts accurately. Teachers, professional development coordinators, and college science and preservice faculty will find these resources essential and exciting.



Volume 1, Second Edition

25 Formative Assessment Probes

© 2018; ISBN: 978-1-68140-563-6; 209 pages

#: PB193X1E2 E-book #: PKEB193X1E2 Book/E-book Set #: PKE193X1E2

Volume 2, Second Edition

25 More Formative Assessment Probes

© 2021; ISBN: 978-1-68140-832-3; 195 pages

#: PB193X2E2 E-book #: PKEB193X2E2 Book/E-book Set #: PKE193X2E2

Volume 3

Another 25 Formative Assessment Probes

Francis Eberle and Chad Dorsey, Coauthors

© 2008; ISBN: 978-1-933531-24-3; 198 pages

#: PB193X3 E-book #: PKEB193X3 Book/E-book Set #: PKE193X3

Volume 4

25 New Formative Assessment Probes

Joyce Tugel, Coauthor

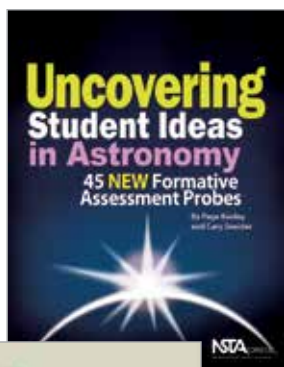
© 2009; ISBN: 978-1-935155-01-0; 184 pages

#: PB193X4 E-book #: PKEB193X4 Book/E-book Set #: PKE193X4

SAVE! Buy these four volumes together!

#: PK193X4 Members: **\$101.99** Non-members: **\$127.48**

UNCOVERING



Book

Members: **\$27.96**
Non-members: **\$34.95**



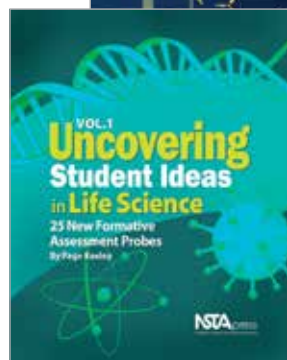
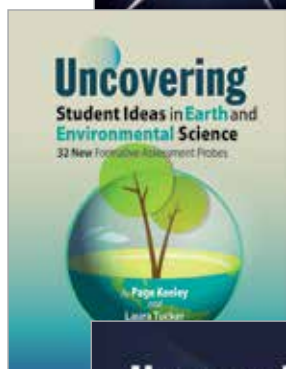
E-book

Members: **\$23.91**
Non-members: **\$29.88**



Book/E-book

Members: **\$38.25**
Non-members: **\$47.82**



Uncovering Student Ideas in Astronomy 45 New Formative Assessment Probes

Cary Sneider, Coauthor

© 2012; ISBN: 978-1-936137-38-1; 255 pages

#: PB307X E-book #: PKEB307X Book/E-book Set #: PKE307X

Uncovering Student Ideas in Earth and Environmental Science 32 New Formative Assessment Probes

Laura Tucker, Coauthor

© 2016; ISBN: 978-1-938946-47-9; 180 pages

#: PB355X E-book #: PKEB355X Book/E-book Set #: PKE355X

Uncovering Student Ideas About Engineering and Technology 32 New Formative Assessment Probes

Cary Sneider and Mihir Ravel, Coauthors | NSTA PRESS, GRADES 3–12

© 2020; ISBN: 978-1-68140-311-3; 200 pages

#: PB455X E-book #: PKEB455X Book/E-book Set #: PKE455X

Uncovering Student Ideas in Life Science, Volume 1 25 New Formative Assessment Probes

© 2011; ISBN: 978-1-936137-17-6; 162 pages

#: PB291X1 E-book #: PKEB291X1 Book/E-book Set #: PKE291X1

SAVE! Buy all 12 Uncovering books plus What Are They Thinking?!

#: PKUSIX13 Members: **\$340.00** Non-members: **\$425.00**

STUDENT IDEAS IN SCIENCE

Uncovering Student Ideas in Primary Science, Volume 1 25 New Formative Assessment Probes for Grades K–2

This content is geared specifically for the primary grades, with an emphasis on simple vocabulary as well as drawing and speaking (instead of writing). The format of the student pages uses minimal text and includes visual representations of familiar objects, phenomena, and ideas.

© 2013; ISBN: 978-1-936959-51-8; 123 pages

#: PB335X1 E-book #: PKEB335X1 Book/E-book Set #: PKE335X1

Uncovering Student Ideas in Physical Science, Volumes 1, 2, and 3

Page Keeley | NSTA PRESS, GRADES K–12

Volume 1 provides 45 formative assessment probes on topics related to force and motion. Volume 2 offers 39 additional probes covering electricity and magnetism. The 32 new probes in volume 3 cover matter and energy. By helping you detect students' misconceptions and then make sound instructional decisions to address them, these books have the potential to transform your teaching. Volumes 1 and 2 are coauthored by Rand Harrington. Volume 3 is coauthored by Susan Cooper. Volume 1 was a

● REVERE AWARD WINNER!

Volume 1, 45 New Force and Motion Assessment Probes

© 2010; 978-1-935155-18-8; 214 pages

#: PB274X1 E-book #: PKEB274X1 Book/E-book Set #: PKE274X1

Volume 2, 39 New Electricity and Magnetism Formative Assessment Probes

© 2014; ISBN: 978-1-936137-37-4; 190 pages

#: PB274X2 E-book #: PKEB274X2 Book/E-book Set #: PKE274X2

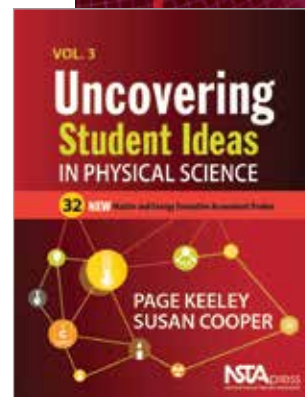
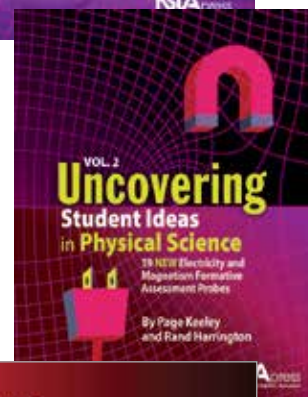
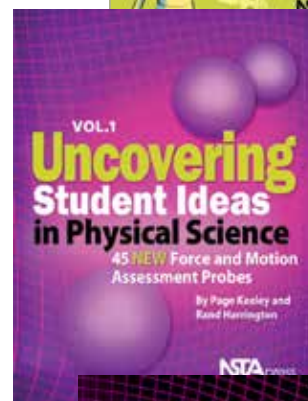
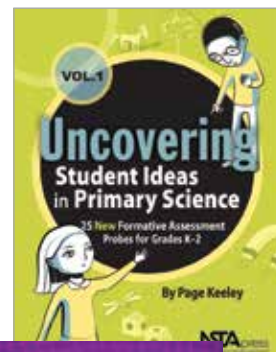
Volume 3, 32 New Matter and Energy Formative Assessment Probes

© 2014; ISBN: 978-1-68140-604-6; 224 pages; Grades 3–12

#: PB274X3 E-book #: PKEB274X3 Book/E-book Set #: PKE274X3

SAVE! Buy all three volumes of
Uncovering Student Ideas in Physical Science!

#: PK274X3 Members: \$90.86 Non-members: \$113.57



Teaching the Picture-Perfect Way

Never before has it been this easy to interest students in reading and science. The Picture-Perfect Science Program combines the appeal of children's picture books with standards-based science content. The **award-winning book series** contains lessons, complete with student pages and assessments, that use picture books to guide science instruction. Teachers will love the convenience of our accompanying **collections of children's books**. These collections include the

children's trade books cited in all five of the *Picture-Perfect* books. We also offer ready-to-use **ClassPacks**, which include all of the materials needed to make performing the classroom-tested lessons even easier.

Let NSTA help you make the most of your school or district Picture-Perfect purchase with teacher **professional learning opportunities**, led by the authors or expert trainers, to support implementation of the program.

Lesson Book



Spanish Activity Book



Book Collections



ClassPacks



Professional Learning



lessons • trade books • hands-on kits • professional learning

Picture-Perfect STEM

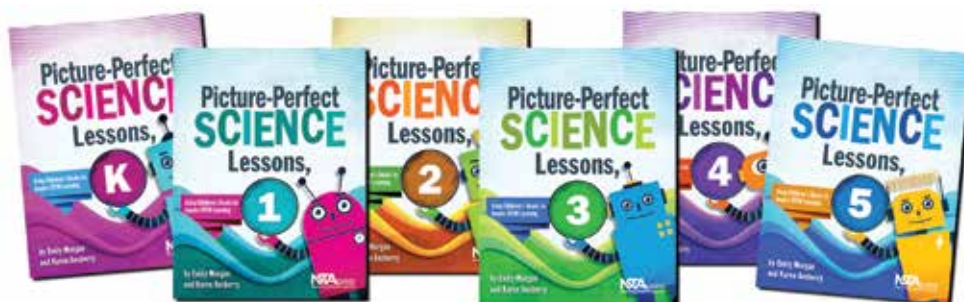
Integrating Reading, Science, and Inquiry in One Complete Package to Engage in STEM Learning!



The lessons from the five *Picture-Perfect* lesson books are the heart of the *Picture-Perfect Science* program. See page 12 for details on how to order these books.

Picture-Perfect by Grade Level

Now you can have the best activities from each *Picture-Perfect* book all in one place and organized by grade. These conveniently packaged grade-level versions of the *Picture-Perfect Science* series have been curated by the series authors. Each volume begins with chapters explaining the book's 5E learning cycle, how it connects to the standards, and more! And each volume includes a compilation of more than 10 engaging lessons that support literacy and STEM. The student activity pages for these new books are also available in **Spanish**!



See pages 8–13 for special purchasing packages and Book Collections by grade level. Visit www.nsta.org/book-series/picture-perfect-science for pricing and ordering information!

Only at NSTA

Picture-Perfect SCIENCE

Lessons by Grade Level

Lesson Books



Read-Alouds



ClassPacks



Package Options



Lesson Book



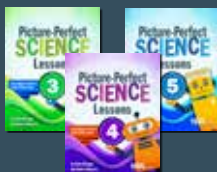
Spanish Activity Book



Lesson Book and Read-Alouds



Grades K, 1, and 2
\$319.12 each



Grades 3, 4, and 5
\$399.97 each



**Lesson Book, Read-Alouds,
Spanish Activity Book,
and ClassPack**

Sufficient for a class
of 28 students

Provides a ready supply
of materials

Classroom Packages

Picture-Perfect Classroom Packages include grade level read-alouds with print version teacher edition, Spanish activity book, classroom supply kit, and ClassPacks of materials listed for the grade level (some lessons do not require ClassPack).

Kindergarten PPS	#: PPSCLRG-K	Member \$1,384.74	Non-member \$1,737.17
<ul style="list-style-type: none"> • Sunshine on My Shoulders • Feel the Heat • Be a Friend to Trees 	<ul style="list-style-type: none"> • Design a Habitat • Move It! • Roller Coasters 	<ul style="list-style-type: none"> • Hear Your Heart • The Handiest Things 	
1st Grade PPS	#: PPSCLRG-G1	Member \$1,574.54	Non-member \$1,968.24
<ul style="list-style-type: none"> • Mirror, Mirror • Sounds All Around • Let's Drum 	<ul style="list-style-type: none"> • Over in the Ocean • Unbeatable Beaks • Amazing Caterpillars 	<ul style="list-style-type: none"> • Robots Everywhere • Bubbles 	
2nd Grade PPS	#: PPSCLRG-G2	Member \$1,679.50	Non-member \$2,099.37
<ul style="list-style-type: none"> • Freezing and Melting • That Magnetic Dog • Crayons 	<ul style="list-style-type: none"> • Science Mysteries • Build It! • Design a Habitat 	<ul style="list-style-type: none"> • Flight of the Pollinators • If You Find a Rock • Imaginative Inventions 	
3rd Grade PPS	#: PPSCLRG-G3	Member \$2,418.53	Non-member \$3,023.16
<ul style="list-style-type: none"> • Rice Is Life • Spider Science • Loco Beans • Amazing Caterpillars • Oil Spill 	<ul style="list-style-type: none"> • Sheep in a Jeep • Roller Coasters • Float Your Boat • Wind It Up • The Secrets of Flight 	<ul style="list-style-type: none"> • What Will Weather Be? • Hurricane • If I Built a Car 	
4th Grade PPS	#: PPSCLRG-G4	Member \$2,918.29	Non-member \$3,647.86
<ul style="list-style-type: none"> • Bugs! • Ducks Don't Get Wet • Bionic Animals • Wiggling Worms • Name That Shell 	<ul style="list-style-type: none"> • From Edison to iPod • Batteries Included • Light It Up • The Wind Blew • Harnessing the Wind 	<ul style="list-style-type: none"> • Grand Canyon • If You Find a Rock • Solving the Puzzle Under the Sea • The Inventor's Secret 	
5th Grade PPS	#: PPSCLRG-G5	Member \$2,216.93	Non-member \$2,771.16
<ul style="list-style-type: none"> • Chemical Change Cafe • Burn • Sunsets and Shadows • Space Exploration • Day and Night 	<ul style="list-style-type: none"> • The Changing Moon • Oil Spill • Rice Is Life • The Secrets of Flight • Mystery Pellets 	<ul style="list-style-type: none"> • Earth Hounds • What's Poppin'? • Brainstorms 	

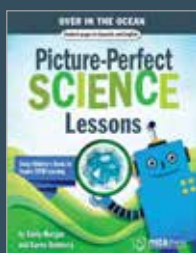
Picture-Perfect SCIENCE

Lessons by Grade Level



Individual Picture-Perfect Lesson Modules

Picture-Perfect Modules include the printed unit lesson plan, read-alouds, and ClassPack.



Lesson booklet



Read-alouds



ClassPack

Member Pricing

* Only includes lesson plan and read-alouds (*no* ClassPack)

Kindergarten PPS					
Sunshine on My Shoulders	# PPSLSMDK-09	\$83.96	Roller Coasters	# PPSLSMDK-08	\$142.76
Feel the Heat	# PPSLSMDK-04	\$184.76	Hear Your Heart	# PPSLSMDK-05	\$83.96
Reduce, Reuse, Recycle*	# PPSLSMDK-07	\$50.36	The Handiest Things	# PPSLSMDK-10	\$159.96
We Planted a Tree*	# PPSLSMDK-11	\$50.36	Do You Know Which One Will Grow?*	# PPSLSMDK-03	\$50.36
Design a Habitat	# PPSLSMDK-02	\$167.96	Be a Friend to a Tree*	# PPSLSMDK-01	\$83.96
Move It!	# PPSLSMDK-06	\$251.96			
1st Grade PPS					
Mirror, Mirror	# PPSLSMDG1-17	\$151.16	Amazing Caterpillars	# PPSLSMDG1-13	\$167.96
Sounds All Around	# PPSLSMDG1-21	\$218.36	Pillbots*	# PPSLSMDG1-19	\$50.36
Let's Drum	# PPSLSMDG1-16	\$251.96	Robots Everywhere	# PPSLSMDG1-20	\$134.36
Get the Message*	# PPSLSMDG1-15	\$50.36	Bubbles	# PPSLSMDG1-14	\$83.96
Over in the Ocean	# PPSLSMDG1-18	\$159.56	Stargazers*	# PPSLSMDG1-22	\$50.36
Unbeatable Beaks	# PPSLSMDG1-23	\$125.96	A Birthday Is No Ordinary Day*	# PPSLSMDG1-12	\$50.36

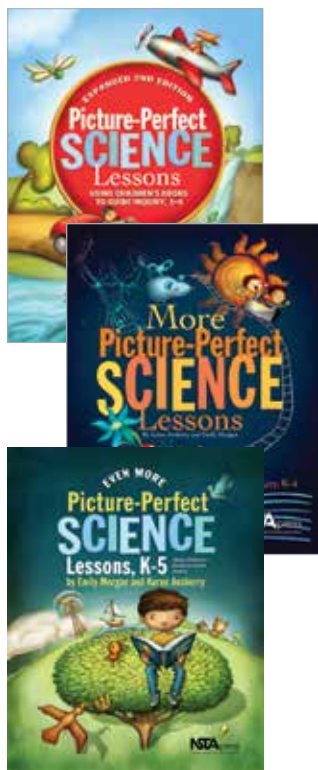
Most lessons utilize the **Classroom Supply Kit** consisting of safety glasses, hand lenses, and more ...
\$247.16

Individual Picture-Perfect Lesson Modules

(continued)

2nd Grade PPS					
Freezing and Melting	# PPSLSMDG2-28	\$134.36	Design a Habitat	# PPSLSMDG2-26	\$167.96
That Magnetic Dog	# PPSLSMDG2-36	\$109.16	Seeds on the Move*	# PPSLSMDG2-34	\$50.36
Crayons	# PPSLSMDG2-25	\$184.76	Flight of the Pollinators	# PPSLSMDG2-27	\$251.96
Our Blue Planet*	# PPSLSMDG2-32	\$50.36	If You Find a Rock	# PPSLSMDG2-30	\$151.16
How Big Is a Foot*	# PPSLSMDG2-29	\$50.36	Imaginative Inventions	# PPSLSMDG2-31	\$83.96
Science Mysteries	# PPSLSMDG2-33	\$251.96	Sense of Wonder*	# PPSLSMDG2-35	\$50.36
Build It!	# PPSLSMDG2-24	\$167.96			
3rd Grade PPS					
Rice Is Life	# PPSLSMDG3-46	\$117.56	Wind It Up	# PPSLSMDG3-53	\$209.96
Spider Science	# PPSLSMDG3-49	\$117.56	The Secrets of Flight	# PPSLSMDG3-50	\$184.76
Loco Beans	# PPSLSMDG3-43	\$100.76	Fossils Tell of Long Ago*	# PPSLSMDG3-40	\$50.36
Amazing Caterpillars	# PPSLSMDG3-37	\$151.16	What Will Weather Be?	# PPSLSMDG3-52	\$209.96
Oil Spill	# PPSLSMDG3-44	\$151.16	Hurricane	# PPSLSMDG3-41	\$235.16
Turtle Hurdles*	# PPSLSMDG3-51	\$50.36	If I Built a Car	# PPSLSMDG3-42	\$251.96
Sheep in a Jeep	# PPSLSMDG3-48	\$142.76	Better Together*	# PPSLSMDG3-38	\$50.36
Roller Coasters	# PPSLSMDG3-47	\$142.76	Problem Solvers*	# PPSLSMDG3-45	\$50.36
Float Your Boat	# PPSLSMDG3-39	\$193.16			
4th Grade PPS					
Bugs!	# PPSLSMDG4-56	\$167.96	Light It Up	# PPSLSMDG4-63	\$251.96
Ducks Don't Get Wet	# PPSLSMDG4-58	\$151.16	The Wind Blew	# PPSLSMDG4-68	\$377.96
Bionic Animals	# PPSLSMDG4-55	\$243.56	Harnessing the Wind	# PPSLSMDG4-61	\$209.96
Wiggling Worms	# PPSLSMDG4-69	\$209.96	Grand Canyon	# PPSLSMDG4-60	\$193.16
Name That Shell	# PPSLSMDG4-64	\$134.36	If You Find a Rock	# PPSLSMDG4-62	\$167.96
Sounds of Science*	# PPSLSMDG4-66	\$50.36	Solving the Puzzle Under the Sea	# PPSLSMDG4-65	\$251.96
From Edison to iPod	# PPSLSMDG4-59	\$151.16	The Inventor's Secret	# PPSLSMDG4-67	\$201.56
Batteries Included	# PPSLSMDG4-54	\$209.96	Down the Drain*	# PPSLSMDG4-57	\$50.36
5th Grade PPS					
Chemical Change Cafe	# PPSLSMDG5-72	\$142.76	The Secrets of Flight	# PPSLSMDG5-86	\$184.76
Burn	# PPSLSMDG5-71	\$151.16	From Seed to Tree*	# PPSLSMDG5-76	\$50.36
Sunsets and Shadows	# PPSLSMDG5-84	\$134.36	Day and Night	# PPSLSMDG5-74	\$310.76
Space Exploration	# PPSLSMDG5-82	\$167.96	Mystery Pellets	# PPSLSMDG5-79	\$167.96
Close Encounters of a Symbiotic Kind*	# PPSLSMDG5-73	\$50.36	Earth Hounds	# PPSLSMDG5-75	\$134.36
Mesmerized*	# PPSLSMDG5-78	\$50.36	What's Poppin'?	# PPSLSMDG5-87	\$117.56
The Changing Moon	# PPSLSMDG5-85	\$117.56	Brainstorms	# PPSLSMDG5-70	\$134.36
Oil Spill	# PPSLSMDG5-80	\$151.16	Star Stuff*	# PPSLSMDG5-83	\$50.36
Rice Is Life	# PPSLSMDG5-81	\$117.56	From Trash to Treasure*	# PPSLSMDG5-77	\$50.36

For a complete list of materials in each ClassPack, visit www.nsta.org/class-packs/all.



Book
Members: **\$37.96**
Non-members: **\$47.45**



E-book
Members: **\$26.43**
Non-members: **\$33.03**



Book/E-book
Members: **\$42.28**
Non-members: **\$52.86**

Picture-Perfect Science Lessons Expanded 2nd Edition

Karen Ansberry and Emily Morgan
NSTA PRESS, GRADES 3–6

© 2010; ISBN: 978-1-935155-16-4; 403 pages
#: PB186E2 E-book #: PKEB186E2 Book/E-book Set #: PKE186E2

More Picture-Perfect Science Lessons

Karen Ansberry and Emily Morgan
NSTA PRESS, GRADES K–4

© 2007; ISBN: 978-1-933531-12-0; 238 pages
#: PB186X2 E-book #: PKEB186X2 Book/E-book Set #: PKE186X2

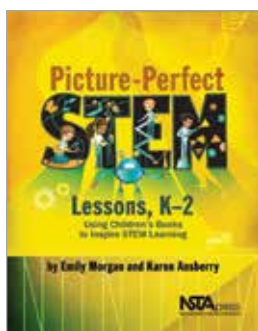
Even More Picture-Perfect Science Lessons

Emily Morgan and Karen Ansberry
NSTA PRESS, GRADES K–5

© 2013; ISBN: 978-1-935155-17-1; 302 pages
#: PB186X3 E-book #: PKEB186X3 Book/E-book Set #: PKE186X3

Use Reading to Engage in STEM Learning!

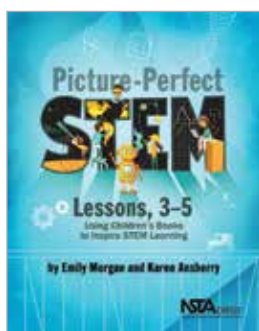
These volumes of the *Picture-Perfect* series combine the philosophy and format you love with an emphasis on STEM. With the K–2 volume, kids will get to read books such as *Iggy Peck, Architect* and *Next Time You See a Pill Bug* as they take on tasks such as building their own drums and designing a device that mimics a pill bug's structure and function. The grade 3–5 volume references a remarkable variety of books—such as *The Inventor's Secret* and *Trash to Treasure*—that will pique students' interest in STEM. As students dive into the practices of science, they will work on inventing toy cars and reducing plastic pollution.



Picture-Perfect STEM Lessons, K–2

Emily Morgan and Karen Ansberry
NSTA PRESS, GRADES K–2

© 2017; ISBN: 978-1-68140-328-1;
332 pages
#: PB422X1
E-book #: PKEB422X1
Book/E-book Set #: PKE422X1



Picture-Perfect STEM Lessons, 3–5

Emily Morgan and Karen Ansberry
NSTA PRESS, GRADES 3–5

© 2017; ISBN: 978-1-68140-331-1;
389 pages
#: PB422X2
E-book #: PKEB422X2
Book/E-book Set #: PKE422X2

SAVE! Buy all five *Picture-Perfect Science* volumes together!

#: PKPPSX5
Members: **\$176.96**
Non-members: **\$221.19**



Picture-Perfect Science Book Collections

Collections of children's trade books, some previously out of print, that support the *Picture-Perfect Science Lessons* series are now available, with each set packaged in a zippered canvas tote. The Collections include loved volumes—such as *Diary of a Worm* and *Dr. Xargle's Book of Earth Hounds*—that will be welcome additions to your school's science and reading resources. Each Collection includes more than two dozen books. For a full list of the books available in each Collection, please visit www.nsta.org/book-series/picture-perfect-science.



Original Picture-Perfect Book Collections

Collection	Trade book Collection + Lesson book (Best Value)			Trade book Collection <i>only</i>		
Picture-Perfect Science Collection	#: PAK186E2	Members: \$411.60	Non-members: \$514.50	#: OK186E2	Members: \$376.00	Non-members: \$470.00
More Picture-Perfect Science Collection	#: PAK186X2	Members: \$365.36	Non-members: \$456.70	#: OK186X2	Members: \$331.96	Non-members: \$414.95
Even More Picture-Perfect Science Collection	#: PAK186X3	Members: \$377.96	Non-members: \$472.45	#: OK186X3	Members: \$343.96	Non-members: \$429.95
Picture-Perfect STEM Lessons, K–2 Collection	#: PAK422X1	Members: \$419.96	Non-members: \$524.95	#: OK422X1	Members: \$383.96	Non-members: \$479.95
Picture-Perfect STEM Lessons, 3–5 Collection	#: PAK422X2	Members: \$419.96	Non-members: \$524.95	#: OK422X2	Members: \$373.96	Non-members: \$466.95

Picture-Perfect by Grade Book Collections

<i>Picture-Perfect Science Lessons by Grade</i>	Book + Trade book Collection SET (Best Value)			Trade book Collection <i>only</i>		
Kindergarten	# PAKPPSXGK	Members: \$319.12	Non-members: \$398.90	# OKPPSXGK	Members: \$239.96	Non-members: \$299.95
1st Grade	# PAKPPSXG1	Members: \$319.12	Non-members: \$398.90	# OKPPSXG1	Members: \$239.96	Non-members: \$299.95
2nd Grade	# PAKPPSXG2	Members: \$319.12	Non-members: \$398.90	# OKPPSXG2	Members: \$225.96	Non-members: \$283.95
3rd Grade	# PAKPPSXG3	Members: \$399.97	Non-members: \$499.96	# OKPPSXG3	Members: \$232.96	Non-members: \$290.95
4th Grade	# PAKPPSXG4	Members: \$399.97	Non-members: \$499.96	# OKPPSXG4	Members: \$239.96	Non-members: \$299.95
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Student activity pages for the *Picture-Perfect* series
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Picture-Perfect Lecciones de Ciencia

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More Picture-Perfect Lecciones de Ciencia

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Even More Picture-Perfect Lecciones de Ciencia

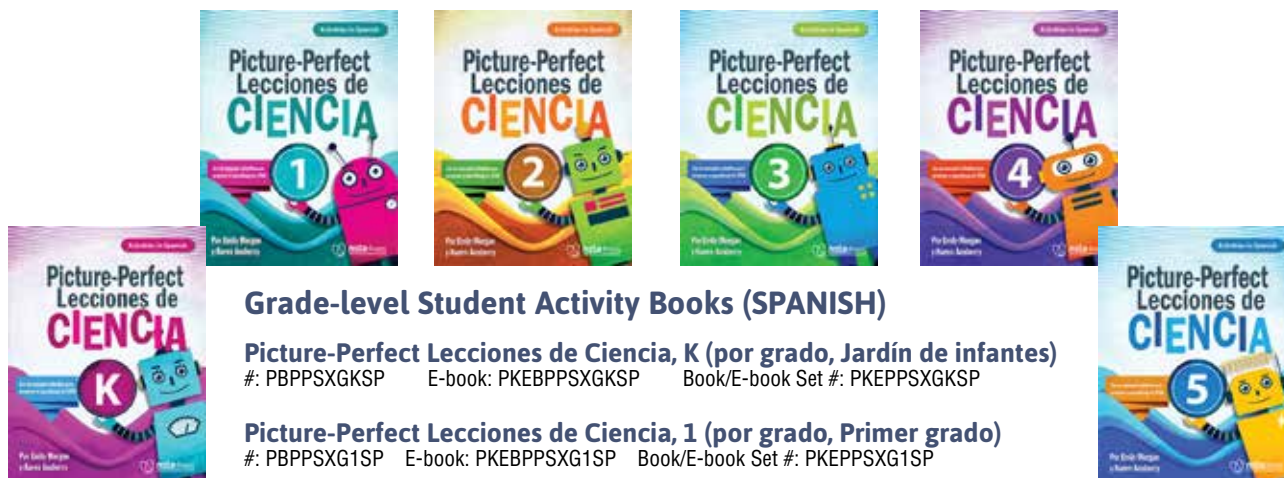
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Picture-Perfect STEM Lecciones, K–2

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Grade-level Student Activity Books (SPANISH)

Picture-Perfect Lecciones de Ciencia, K (por grado, Jardín de infantes)

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Picture-Perfect Lecciones de Ciencia, 1 (por grado, Primer grado)

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Picture-Perfect Lecciones de Ciencia, 2 (por grado, Segundo grado)

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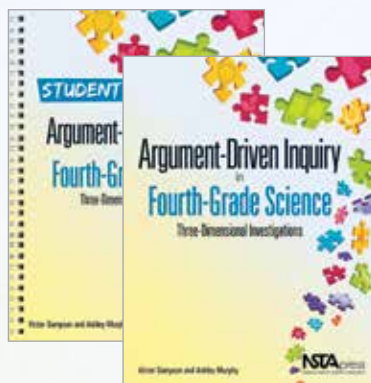
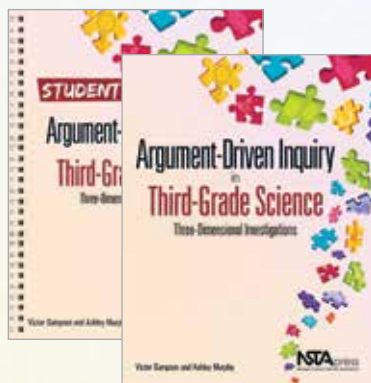
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Argument-Driven Inquiry

Three-Dimensional Investigations for Elementary Students



Teacher Books

Book	E-book	Book/E-book
Members: \$40.28	Members: \$30.21	Members: \$48.33
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Student Workbooks

Book	E-book	Book/E-book
Members: \$16.76	Members: \$12.57	Members: \$20.11
Non-members: \$20.95	Non-members: \$15.71	Non-members: \$25.14

Now you can make the instructional shift to argument-driven inquiry (ADI) in your elementary classroom. Like the best-selling ADI books for middle and high school, these volumes are written by veteran teachers and prompt students to use argument to construct, support, and evaluate scientific claims. You'll see that these books emphasize "figuring things out" instead of just "learning about things."

Each lesson comes with teacher notes, investigation handouts, and checkout questions. The investigations support the NGSS and the *Common Core State Standards* for English language arts and mathematics. The books can also help emerging bilingual students meet the *English Language Proficiency Standards* with their tips for teaching English language learners.

Argument-Driven Inquiry in Third-Grade Science

Victor Sampson and Ashley Murphy | [NSTA PRESS, GRADE 3](#)

Includes 14 field-tested lessons covering motion and stability, molecules and organisms, heredity, biological evolution, and Earth's systems.

© 2019; ISBN: 978-1-68140-517-9; 584 pages
#: PB349X7 E-book #: PKEB349X7 Book/E-book Set #: PKE349X7

Student Workbook (Third-Grade Science)

© 2019; ISBN: 978-1-68140-567-4; 247 pages
#: PB349X7S E-book #: PKEB349X7S Book/E-book Set #: PKE349X7S

Argument-Driven Inquiry in Fourth-Grade Science

Victor Sampson and Ashley Murphy | [NSTA PRESS, GRADE 4](#)

Includes 15 field-tested lessons covering energy, waves and their application in technologies for information transfer, molecules and organisms, and Earth's place in the universe and systems.

© 2019; ISBN: 978-1-68140-520-9; 677 pages
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Student Workbook (Fourth-Grade Science)

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Argument-Driven Inquiry in Fifth-Grade Science

Victor Sampson, Todd L. Hutner, Jonathon Grooms, Jennifer Kaszuba, and Carrie Burt | [NSTA PRESS, GRADE 5](#)

Includes 16 field-tested lessons covering matter and its interactions; motion and stability; ecosystems and their interactions, energy, and dynamics; Earth's place in the universe; and Earth's systems.

© 2020; ISBN: 978-1-68140-523-0; 720 pages
#: PB349X9 E-book #: PKEB349X9 Book/E-book Set #: PKE349X9

Student Workbook (Fifth-Grade Science)

© 2020; ISBN: 978-1-68140-573-5; 264 pages
#: PB349X9S E-book #: PKEB349X9S Book/E-book Set #: PKE349X9S

Argument-

The *Argument-Driven Inquiry* series helps teachers make labs much more active and engaging for their students. Students will dig into important content as they gain a better understanding of the science and engineering practices, crosscutting concepts, and disciplinary core ideas of the *Next Generation Science Standards*. These investigations will also enable students to develop the skills outlined in the *Common Core State Standards* and practice reading, writing, speaking, and using math in the context of science.

The books include reproducible student pages, teacher notes, checkout questions, and standards-alignment matrices, so teachers have everything they need to start incorporating these authentic experiences in their classrooms. Each book has a companion Student Lab Manual that includes everything students need to complete the investigations.

Teacher Books

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Argument-Driven Inquiry in Earth and Space Science *Lab Investigations for* Grades 6–10

Victor Sampson, Ashley Murphy,
Kemper Lipscomb,
and Todd L. Hutner

NSTA PRESS, GRADES 6–10

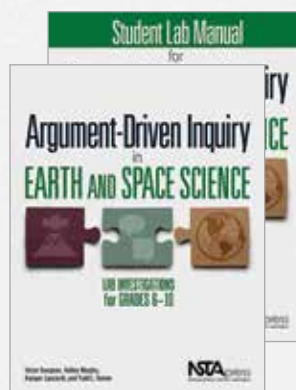
© 2018; ISBN: 978-1-68140-373-1;
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Student Lab Manual for Argument-Driven Inquiry in Earth and Space Science

© 2018; ISBN: 978-1-68140-598-8; 284 pages

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Argument-Driven Inquiry in Life Science *Lab Investigations for* Grades 6–8

Patrick J. Enderle, Ruth Bickel,
Leeanne Gleim, Ellen Granger,
Jonathon Grooms, Melanie
Hester, Ashley Murphy, Victor
Sampson, and Sherry A.
Southernland

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Student Lab Manual for Argument-Driven Inquiry in Life Science

© 2016; ISBN: 978-1-68140-015-0; 189 pages

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Argument-Driven Inquiry in Physical Science *Lab Investigations for* Grades 6–8

Jonathon Grooms, Patrick J.
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464 pages

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Student Lab Manual for Argument-Driven Inquiry in Physical Science

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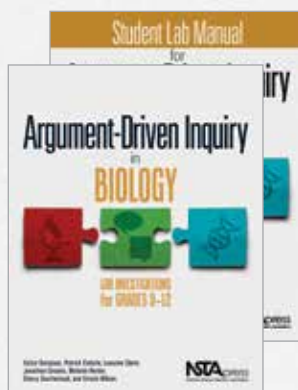
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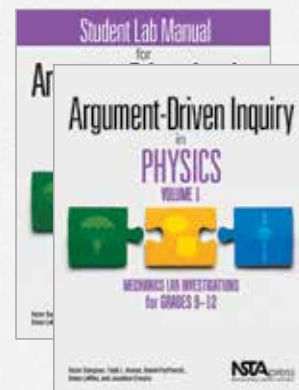
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LaMee, Daniel FitzPatrick, Austin
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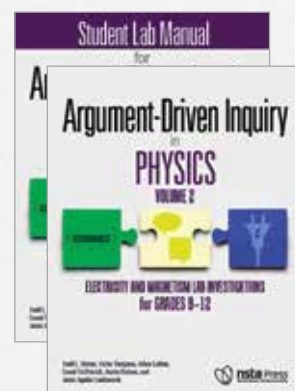
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450 pages

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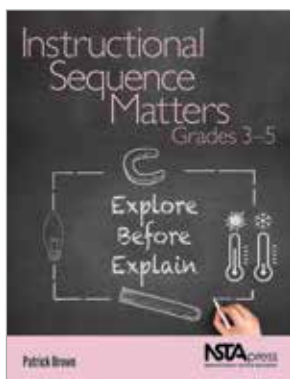


Instructional Sequence Matters

Patrick Brown | NSTA PRESS, GRADES 3–12

Instructional sequence definitely does matter when it comes to helping children learn science. That's why these books focus on showing you how to do two things: (1) make simple shifts in the way you arrange and combine activities and (2) put the *Next Generation Science Standards* (NGSS) into practice. All three volumes give you a complete self-guided tour to becoming an "explore-before-explain" teacher. When you adopt this teaching mindset, you'll help your students construct accurate knowledge firsthand—an important part of science learning at all grade levels.

Instructional Sequence Matters is grounded in two research-based approaches: POE (Predict, Observe, and Explain) and 5E (Engage, Explore, Explain, Elaborate, and Evaluate). Each of these books is a one-stop teaching resource for developing lessons that support both the NGSS and contemporary research on how students learn science best.



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Explore Before Explain

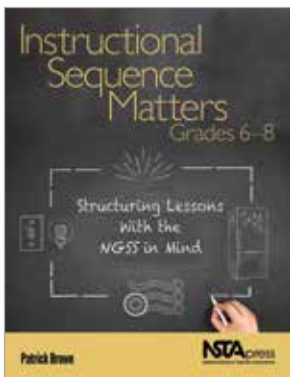
Topics include heat and temperature, magnetism, electric circuits, chemical changes, ecosystems, Earth processes, and more!

© 2020; ISBN: 978-1-68140-658-9; 136 pages

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Instructional Sequence Matters, Grades 6–8

Structuring Lessons With the NGSS in Mind

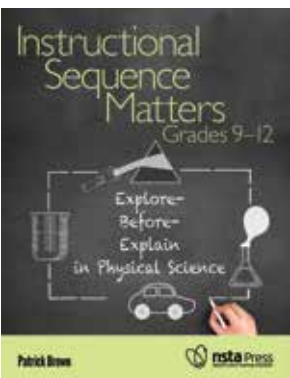
Topics include heat and temperature, magnetism, electric circuits, force and motion, and more!

© 2018; ISBN: 978-1-68140-584-1; 103 pages

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Explore-Before-Explain in Physical Science

Engage students as they tackle engineering design problems, use algebraic and mathematical reasoning, read technical texts, develop their own inquiries, and write argumentative essays.

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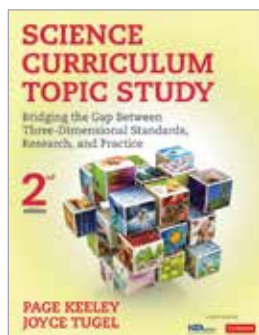
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Science Curriculum Topic Study

Bridging the Gap Between Three-Dimensional Standards, Research, and Practice, Second Edition

Page Keeley and Joyce Tugel | NSTA PRESS AND CORWIN, GRADES K–12

The second edition of this bestseller is newly mapped to the *Framework* and NGSS and has been updated with new standards and research-based resources. It will help science educators make the shifts needed to reflect current practices in curriculum, instruction, and assessment. The new edition also has an increased emphasis on STEM, particularly engineering. The methodical study process described in this book will help readers intertwine content, practices, and crosscutting concepts.

© 2020; ISBN: 978-1-45224-464-8; 320 pages

#: PA004E2

Members: \$37.76

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Seeing Students Learn Science

Integrating Assessment and Instruction in the Classroom

Alexandra Beatty and Heidi Schweingruber | NATIONAL ACADEMIES PRESS, GRADES K–12

The introduction of new science standards has led many states, schools, and districts to change curricula, instruction, and professional development. Assessment needs to change as well to measure active, engaged learning. *Seeing Students Learn Science* is meant to help educators create and implement classroom assessments so that they can better understand students' progress in a new vision of science learning. It includes examples of innovative assessment formats, ways to embed assessments in engaging classroom activities, and ideas for interpreting and using novel kinds of assessment information.

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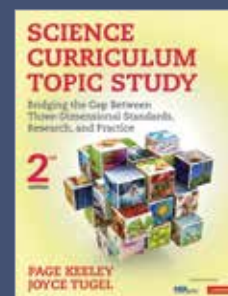
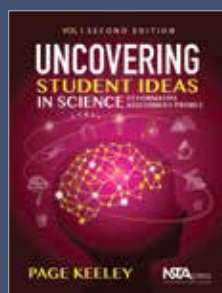
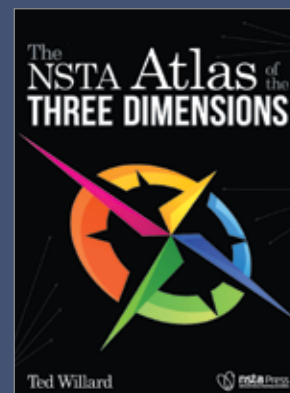
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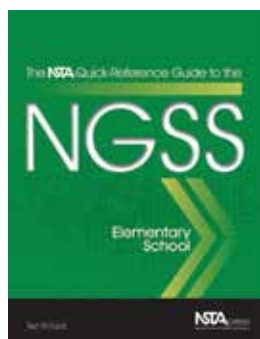
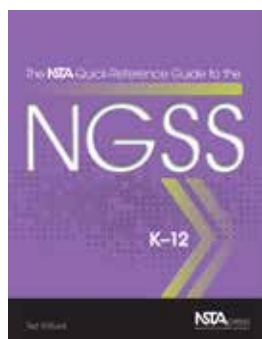
- *Disciplinary Core Ideas* (p. 21)
- *Helping Students Make Sense of the World* (p. 21)
- *NSTA Quick-Reference Guide to the NGSS, K–12* (p. 20)
- *Science Curriculum Topic Study* (above)
- *The NSTA Atlas* (p. 20)
- *Uncovering Student Ideas in Science, Volume 1, 2nd Ed.* (p. 3)

#: PKSCTS6

Members: \$201.27

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The NSTA Quick-Reference Guides to the NGSS K–12, Elementary School, Middle School, and High School

Ted Willard, Editor | [NSTA PRESS, GRADES K–12](#)

The guides are available in grade-specific versions for elementary, middle, and high school, plus a version for K–12. Each book provides the appropriate performance expectations; disciplinary core ideas; practices; crosscutting concepts; connections to engineering, technology, and applications of science; and connections to the nature of science.

© 2015; 978-1-941316-10-8; 160 pages (K–12)

#: PB354X	Members: \$16.76	Non-members: \$20.95
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Book/E-book Set #: PKE354X	Members: \$20.11	Non-members: \$25.14

© 2015; ISBN: 978-1-941316-11-5; 110 pages (Elementary School)

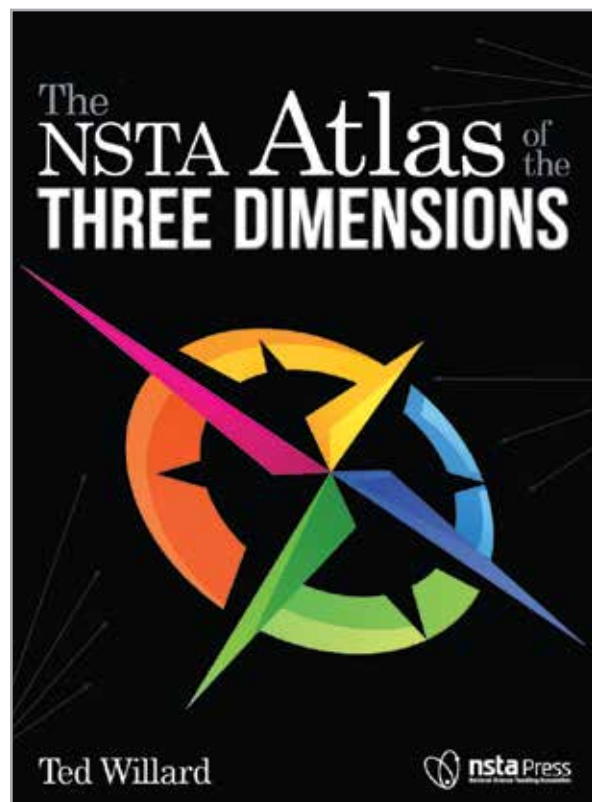
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E-book #: PKEB354X1	Members: \$10.68	Non-members: \$13.35
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© 2015; 978-1-941316-12-2; 105 pages (Middle School)

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Book/E-book Set #: PKE354X3	Members: \$17.08	Non-members: \$21.36



The NSTA Atlas of the Three Dimensions

Ted Willard | [NSTA PRESS, GRADES K–12](#)

Think of this book as your detailed guide to a deeper understanding of what your students are expected to learn and what you're expected to teach them. *The NSTA Atlas of the Three Dimensions* provides 62 maps showing what students should know and be able to do regarding the three dimensions of science described by *A Framework for K–12 Science Education*, the *Next Generation Science Standards*, and other state standards. The linked maps illustrate how the dimensions' elements can build on each other and connect to one another over the course of a K–12 education. Regardless of the grade levels you specialize in, this book can bring new coherence whenever you're developing a curriculum, planning instruction, or performing assessments.

© 2020; ISBN: 978-1-938946-08-0; 194 pages

#: PB414X	Members: \$61.70	Non-members: \$77.12
E-book #: PKEB414X	Members: \$46.27	Non-members: \$57.84
Book/E-book Set #: PKE414X	Members: \$74.04	Non-members: \$92.54

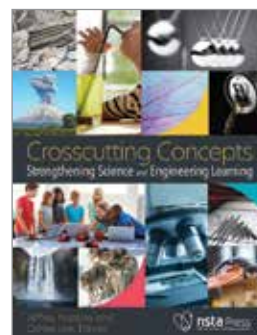
Crosscutting Concepts Strengthening Science and Engineering Learning

Jeffrey Nordine and Okhee Lee, Editors | NSTA PRESS, GRADES K–12

If you've been trying to figure out how crosscutting concepts (CCCs) fit into three-dimensional learning, this in-depth resource will show you their usefulness across the sciences. The book is designed to help teachers at all grade levels (1) promote students' sensemaking and problem-solving abilities by integrating CCCs with science and engineering practices and disciplinary core ideas; (2) support connections across multiple disciplines and diverse contexts; and (3) use CCCs as a set of lenses through which students can learn about the world around them.

© 2021; ISBN: 978-1-68140-728-9; 398 pages

#: PB457X	Members: \$35.24	Non-members: \$44.05
E-book #: PKEB457X	Members: \$26.43	Non-members: \$33.03
Book/E-book Set #: PKE457X	Members: \$42.28	Non-members: \$52.86



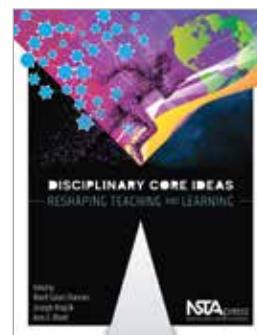
Disciplinary Core Ideas Reshaping Teaching and Learning

Ravit Golan Duncan, Joseph Krajcik, and Ann E. Rivet, Editors | NSTA PRESS, GRADES K–12

Building on the foundation provided by the *Framework*, which informed the development of the NGSS, this book helps your students make sense of seemingly unrelated phenomena. *Disciplinary Core Ideas* covers four broad areas: physical science; life science; Earth and space science; and engineering, technology, and applications of science.

© 2017; ISBN: 978-1-938946-41-7; 312 pages

#: PB402X	Members: \$35.24	Non-members: \$44.05
E-book #: PKEB402X	Members: \$25.17	Non-members: \$31.46
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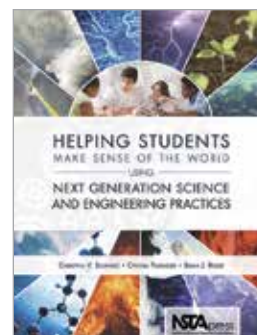
Helping Students Make Sense of the World Using Next Generation Science and Engineering Practices

Christina V. Schwarz, Cynthia Passmore, and Brian J. Reiser | NSTA PRESS, GRADES K–12

Written in clear, nontechnical language, this book provides a nuts-and-bolts understanding of the practices strand of the *Framework* and the NGSS. It addresses three important questions: How will engaging students in science and engineering practices help improve class? What do the eight practices look like in the classroom? And exactly how can educators teach and support the NGSS using the practices?

© 2017; ISBN: 978-1-938946-04-2; 381 pages

#: PB351X	Members: \$35.24	Non-members: \$44.05
E-book #: PKEB351X	Members: \$26.43	Non-members: \$33.03
Book/E-book Set #: PKE351X	Members: \$42.28	Non-members: \$52.86

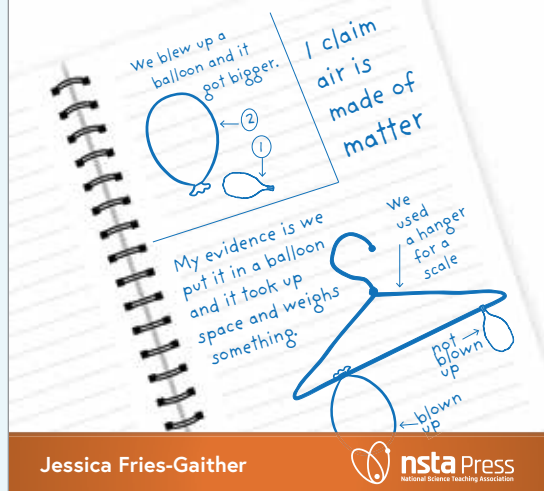


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#: **PK435X1** Members: **\$86.70** Non-members: **\$108.36**

SCIENCE NOTEBOOKS

in Student-Centered Classrooms



Jessica Fries-Gaither



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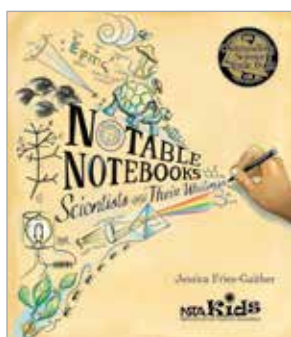
Science Notebooks in Student-Centered Classrooms

Jessica Fries-Gaither | GRADES 3–5

© 2022; ISBN: 978-1-68140-707-4; 200 pages

#: PB456X

Why is science notebooking so valuable for your elementary school students? Because a notebook is thinking made visible—a tangible record of how they ask questions, analyze and interpret data, and engage in argument from evidence. That's the idea behind *Science Notebooks in Student-Centered Classrooms*. This comprehensive guide shows how budding scientists and teachers both benefit when K–5 students use notebooks to record their emerging understanding in a three-dimensional science classroom.



Notable Notebooks Scientists and Their Writings

Jessica Fries-Gaither | NSTA KIDS, GRADES 3–5

This book brings to life the many ways in which trailblazers from Galileo to Jane Goodall have used a science notebook. You will also get four steps to starting your own notebook, plus mini-biographies of the diverse featured scientists. Written in captivating rhyme, the text is sprinkled with lively illustrations. ● **OUTSTANDING SCIENCE TRADE BOOK FOR STUDENTS K–12!**

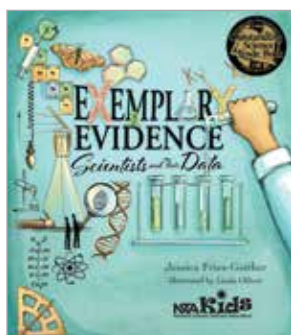
© 2016; ISBN: 978-1-68140-307-6; 32 pages; Lexile: 670L

#: PB415X	Members: \$11.96	Non-members: \$14.95
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Book/E-book Set #: PKE415X	Members: \$15.07	Non-members: \$18.84

Library Edition

© 2016; ISBN: 978-1-68140-379-3; 32 pages; Lexile: 670L

#: PB415XL	Members: \$15.16	Non-members: \$18.95
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Exemplary Evidence Scientists and Their Data

Jessica Fries-Gaither | NSTA KIDS, GRADES 3–5

With this follow-up to the award-winning *Notable Notebooks* (see above), you can help kids discover what data—and scientists—can do! *Exemplary Evidence* highlights how a diverse range of scientists, including Marie Tharp and Russell Stands-Over-Bull, have used measurements, mapping, and even sketches to make all kinds of breakthroughs. ● **OUTSTANDING SCIENCE TRADE BOOK FOR STUDENTS K–12!**

© 2019; ISBN: 978-1-68140-361-8; 32 pages; Lexile: 990L

#: PB441X	Members: \$11.96	Non-members: \$14.95
E-book #: PKEB441X	Members: \$9.42	Non-members: \$11.77
Book/E-book Set #: PKE441X	Members: \$15.07	Non-members: \$18.84

Library Edition

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Next Time You See

Emily Morgan | NSTA KIDS, GRADES K-5

Awaken a sense of wonder in a child with the *Next Time You See* series. Rather than providing facts to memorize, the books' engaging text and eye-catching photography inspire children to experience the enchantment of everyday phenomena in the natural world. Free supplementary activities are available on NSTA's website for teachers who want to go one step further. Specially designed to be experienced with an adult—whether a parent, teacher, or friend—*Next Time You See* books serve as a reminder that you don't have to look far to find something remarkable in nature. (*Next Time You See* books in Spanish are translated by Alicia B. Fuentes.)



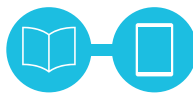
Book

Members: **\$10.36**
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Book/E-book

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Next Time You See a Sunset

ISBN: 978-1-938946-26-4; #: PB329X2L



Next Time You See a Bee

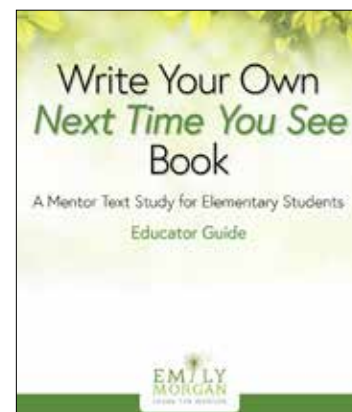
This book will get young readers buzzing about bees! *Next Time You See a Bee* reveals the big impact these little insects have on the world. It shows how the physical features of bees make them pros at collecting and spreading pollen. It explains how bees pollinate flowers, allowing the plants to produce delicious foods such as apples, almonds, and peaches. It also introduces readers to the wide variety of North America's native bee species, discusses why bees are threatened, and shares what readers can do to help. After reading *Next Time You See a Bee*, curious kids can partner with adults to observe these remarkable creatures without fear—and take bee-friendly measures to protect the insects for the benefit of us all.

© 2019; ISBN: 978-1-68140-651-0; 32 pages; Lexile: 940L

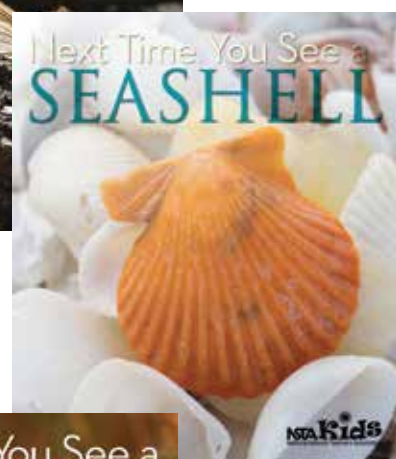
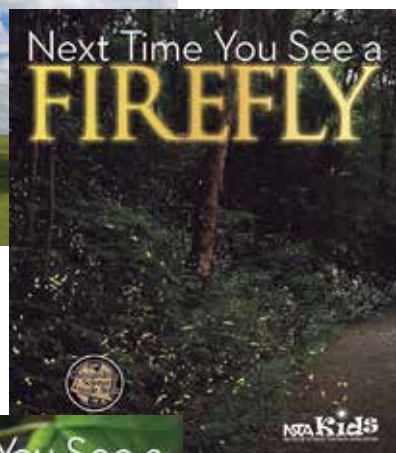
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Download the free Mentor Text Study that guides your students through the process of writing their own *Next Time You See* book at <https://emilymorganbooks.com/resources>.



Next Time You See



The *Next Time You See* series of books can get you and your students outside to observe the wonders in nature right outside your door.

Next Time You See a Cloud

● OUTSTANDING SCIENCE TRADE BOOK FOR STUDENTS K-12!

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Next Time You See a Firefly

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Next Time You See a Maple Seed

● OUTSTANDING SCIENCE TRADE BOOK FOR STUDENTS K-12!

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#: PB329X6 E-book #: PKEB329X6 Book/E-book Set #: PKE329X6

Next Time You See a Seashell

● REVERE AWARD WINNER!

© 2013; ISBN: 978-1-936959-15-0; 32 pages; Lexile: 810L

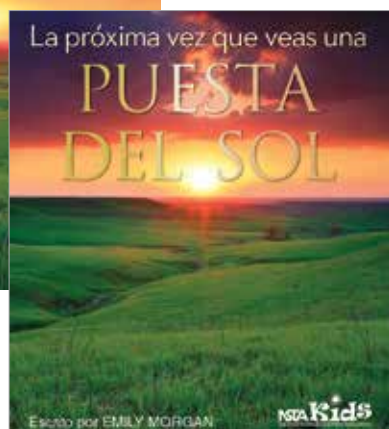
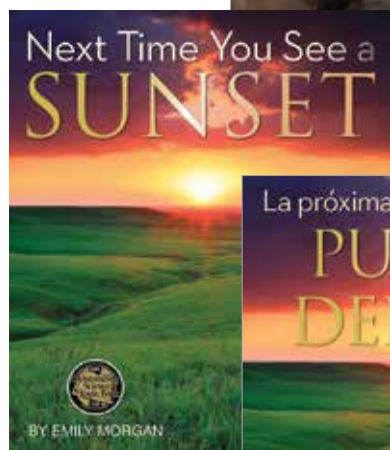
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Next Time You See a Spiderweb

● OUTSTANDING SCIENCE TRADE BOOK FOR STUDENTS K-12!

© 2015; ISBN: 978-1-938946-34-9; 32 pages; Lexile: 1080L

#: PB329X7 E-book #: PKEB329X7 Book/E-book Set #: PKE329X7



Next Time You See books available in both English and Spanish.

Next Time You See the Moon

● ILA/CBC CHILDREN'S CHOICES WINNER!

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#: PB329X5 E-book #: PKEB329X5 Book/E-book Set #: PKE329X5

Spanish edition available

La próxima vez que veas la luna

© 2016; ISBN: 978-1-68140-286-4; 32 pages; e-ISBN: 978-1-68140-287-1

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Next Time You See a Pill Bug

● OUTSTANDING SCIENCE TRADE BOOK FOR STUDENTS K-12!

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© 2016; ISBN: 978-1-68140-289-5; 32 pages; e-ISBN: 978-1-68140-290-1

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Next Time You See a Sunset

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La próxima vez que veas una puesta del sol

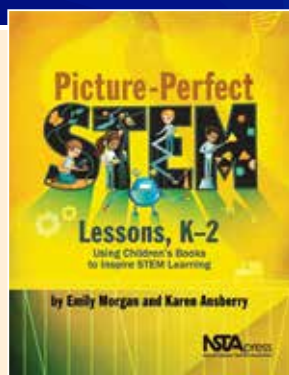
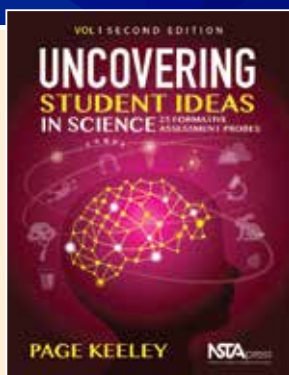
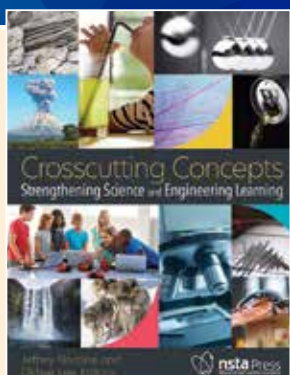
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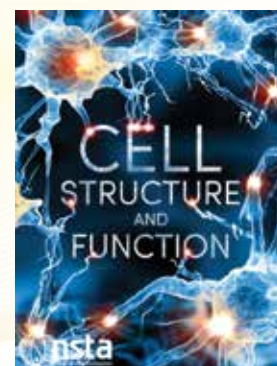
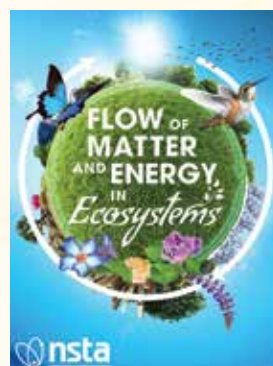
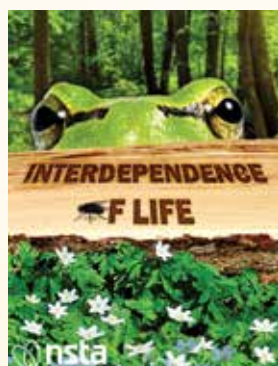
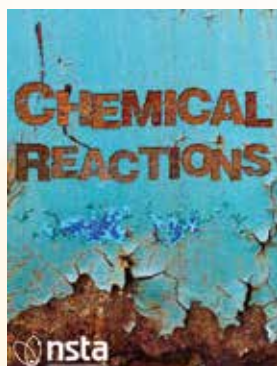
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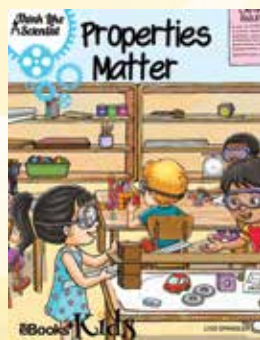
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STEM, Grades K-5

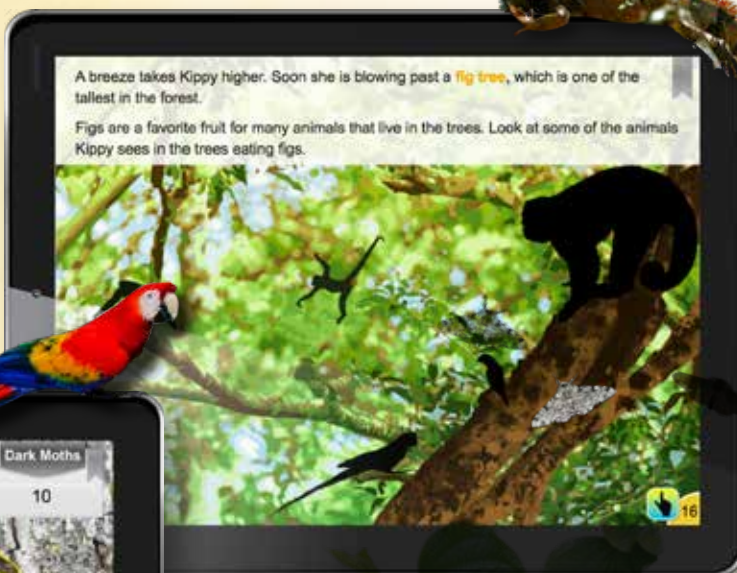
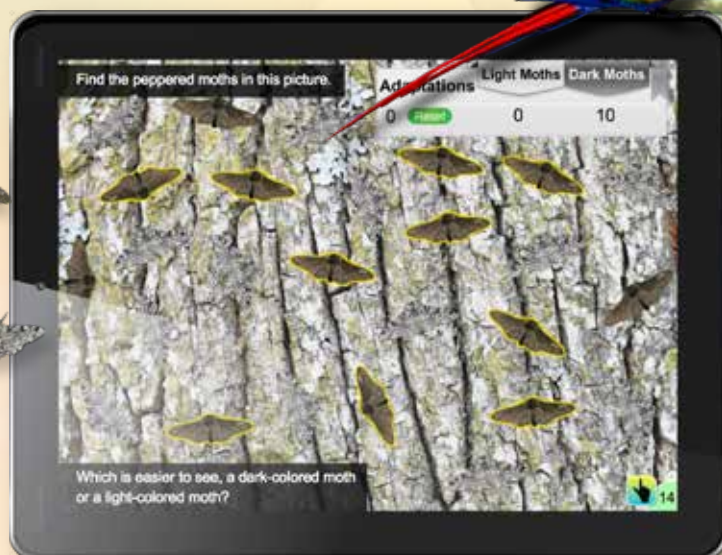
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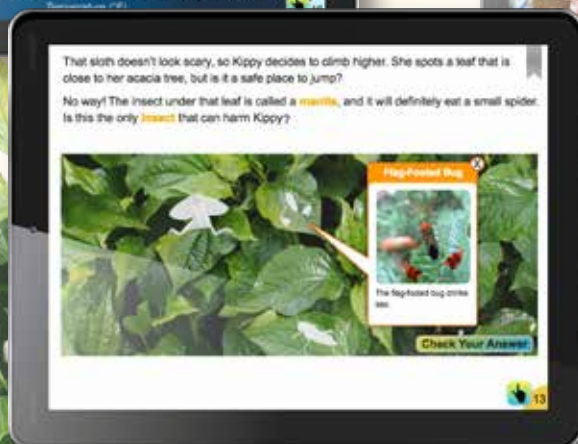
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NSTA will customize any program to match your educators' needs and goals and to best fit your professional learning schedule.

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Explore using distance-learning strategies to give students experience with relevant phenomena in order to create the need to engage in science learning to explain what they've observed.

Three-Dimensional Teaching and Learning Powered by STEM

Empower educators to better integrate STEM and three-dimensional (3-D) standards for teaching and learning, and learn how STEM initiatives and 3-D instruction support each other. Participants explore the vision of a scientifically literate society described in *A Framework for K–12 Science Education*. They examine how this vision supports and is supported by STEM education, focusing on aspects of the designed world through the application of science and engineering practices.

Achieving Equity With Three-Dimensional Teaching and Learning

Explore how 3-D science instruction, driven by phenomena and problem solving, can create opportunities for ALL students to develop scientific literacy. Participants develop an understanding of 3-D teaching and learning and gain a powerful toolkit to support learning for all students in the classroom.

Assessing Three-Dimensional Learning

3-D teaching and learning poses new challenges—and new opportunities—in assessment. Participants learn how to examine student models for evidence of 3-D learning. They also learn criteria for evaluating the quality of assessment tasks.

Using Student-Work Protocols to Evaluate 3-D Learning

Participants learn a protocol to examine student work for evidence of 3-D learning, provide feedback, and inform next steps of instruction. The protocol can be used by individual teachers or within professional learning communities.

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- Ongoing support for the School/District Leadership Team
- Virtual Instructional Coaching for implementation of curriculum and enactment of strategies to support equity.



- Use of Asynchronous PL Units and District Administrator Online Dashboard to track and support teacher progress.
- Professional Learning Bundles with Resources for personalized PL (NSTA has a menu of book and topic studies)
- Become an NSTA District Partner: Participate in PL web seminars through the year focused on American Rescue Plan (ARP) topics, Digital Formative Assessment Probes, Membership to NSTA, Cohort Resources, and Community Areas.
- Mentoring support in contemporary research in science education to reimagine your existing curriculum.

WANT TO EXPLORE YOUR OPTIONS?

<https://www.nsta.org/nsta-district-professional-learning-packages>

Speak to a member of the NSTA Professional Learning Team at professionallearning@nsta.org

Schools and Districts

Membership Options



NSTA has the professional learning opportunities and resources your teachers of science need to continue on their professional learning path

Take your school or district to the next level with a cost-effective NSTA membership that will provide a vast amount of digital resources, customized professional learning for all your teachers, and yearlong access to online leaders and mentors.

The School Partner Program (SPP) is ideal for teachers in one school building, where the number of teachers of science is at least 20 individuals. The District Partner Program (DPP) is ideal for teachers in one school building, where the number of teachers of science is less than 20 individuals. The DPP is also ideal for a cohort composed of individual teachers from more than one school. Both SPP and DPP require an administrator as part of the cohort. The minimum number of participants in a cohort is five.

All School & District Memberships Include:

- Interactive E-Books+ Professional Collection
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- Monthly Professional Learning Web Seminars
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School Partner Program

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Includes every teacher in your school.

District Partner Program

\$99 /Teacher*

High-quality learning experience for teachers in your district.

All SPP and DPP Cohorts receive a landing page on the NSTA Website with a private forum, local leaderboards for teacher recognition, and an Administrator's Dashboard with usage and learning data.

* Annual renewal



American Rescue Plan

NSTA has the resources you need to address learning loss and provide science learning to your students.

The American Rescue Plan COVID relief for K–12 schools provides funding so that districts and schools can address the significant academic needs of students.

The NSTA School and District Learning Package includes science and STEM lesson plans, resources for students, resources that integrate science and literacy instruction, customized professional learning for all your teachers, science standards resources, NSTA membership, and so much more that will help you focus on the immediate challenges of learning loss and recovery caused by the pandemic and will meet your long-term goals of providing high-quality science education through the lens of equity and social justice.

This package provides standards-based science lesson plans and student resources that support instruction and professional learning opportunities for all your teachers.

All the features of the school district partner program *plus*

- NSTA Collections of resources targeting learning loss, distance learning, and literacy integration
- Exclusive access to 24 NSTA Professional Learning sessions for all your teachers that address learning loss, distance learning, and literacy integration with science/STEM and equity and social justice.
- Enhance your package with optional add-ons of interactive e-books for students and digital *Uncovering Student Ideas* formative assessment probes.





Social Justice in the Science Classroom is a compilation of 19 articles from NSTA journals illustrating the successful incorporation of socially just teaching practices in the science classroom. This volume brings issues, strategies, and methods of addressing social justice to the forefront, from kindergarten through college, in public, private, charter, informal science settings, or other school environments.



#: **PKEB372X**

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Non-members:
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COMING SOON!

The *Social Justice in the Science Classroom* bundle is your clearinghouse for resources, strategies, and techniques for motivating and increasing student engagement in science—from kindergarten through college—through the lens of equity and social justice. The bundle includes the *Social Justice in the Science Classroom* e-book, a set of pre-recorded content, and an Educator Tool Kit.

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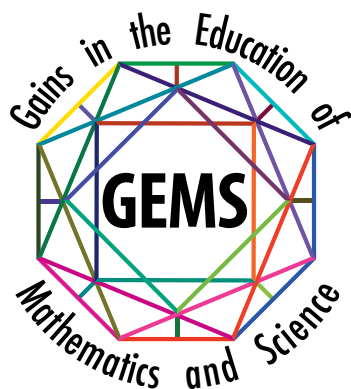


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- Northrop Grumman Foundation Excellence in Engineering Education Award
- Robert H. Carleton Award
- Robert E. Yager Exemplary Teaching Award
- SeaWorld/Busch Gardens Environmental Educator of the Year
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Alabama

Kim Stilwell
Arlington, VA
Tel: 703.312.9247
kstilwell@nsta.org

Alaska

Dan Taylor
Portland, OR
Tel: 360.608.2069
dan@tayloreducationalmedia.com

Alberta

Dan Taylor
Portland, OR
Tel: 360.608.2069
dan@tayloreducationalmedia.com

Arizona

Brad Peters
Chandler, AZ
Tel: 602.757.2575
Brad.nsta@gmail.com

Arkansas

Robin Baker
Jonesboro, AR
Tel: 870.926.9084
Robin.baker70@yahoo.com

British Columbia

Dan Taylor
Portland, OR
Tel: 360.608.2069
dan@tayloreducationalmedia.com

California

Marguerite Morgan Pollard
Elk Grove, CA
Tel: 916.799.8703
mpollard.nsta@gmail.com

Colorado

Jill Netz-Fulkerson, PhD
Tel: 303.237.5005 (work);
720.635.0381 (cell)
jillfulkerson@comcast.net

Connecticut

Shalin Inc.
Himanshu Jain, Ossining, NY
Tel: 917.674.0391
hjain05@gmail.com

Delaware

Debra Sawyer, PhD
Charlestown, MD
Tel: 303.638.9585
debrasoulton@aol.com

District of Columbia

Debra Sawyer, PhD
Charlestown, MD
Tel: 303.638.9585
debrasoulton@aol.com

Florida

Sylvia Fumero
Miami, FL
Tel: 305.987.5432
sylvia@eduresourcesolutions.com

Jeff Enos
Orlando, FL
Tel: 407.758.7253
jeff@eduresourcesolutions.com

Matt Laird
Lake Mary, FL
Tel: 407.617.2637
matt@eduresourcesolutions.com

Georgia

Petra Griffin
Braselton, GA
Tel: 678.963.0938
petragriffin@earthlink.net

Hawaii

Marguerite Morgan Pollard
Elk Grove, CA
Tel: 916.799.8703
mpollard.nsta@gmail.com

Idaho

Dan Taylor
Portland, OR
Tel: 360.608.2069
dan@tayloreducationalmedia.com

Illinois

Terry Shulman
Chicago, IL
Tel: 773.960.2024
tershul@gmail.com

Indiana

Carla Westphal
Indianapolis, IN
Tel: 317.753.5247
carla@carlawestphalandassociates.com

Iowa

Randy Brooks
Omaha, NE
Tel: 641.226.0654
rbrooks@coresolutions.com

Kansas

Darren Boles
Blue Springs, MO
Tel: 816.808.3262
darren@boleseducationsolutions.com

Kentucky

Dee Camp
Avon, IN
Tel: 317.514.6515
dee@deecampeducation.com

Louisiana

Kim Stilwell
Arlington, VA
Tel: 703.312.9247
kstilwell@nsta.org

Maine

Shalin Inc.
Himanshu Jain, Ossining, NY
Tel: 917.674.0391
hjain05@gmail.com

Judy Thau, Croton-on-Hudson, NY
Tel: 914.309.3359
atozresources@optonline.net

Maryland

Debra Sawyer, PhD
Charlestown, MD
Tel: 303.638.9585
debrasoulton@aol.com

Massachusetts

Shalin Inc.
Himanshu Jain, Ossining, NY
Tel: 917.674.0391
hjain05@gmail.com

Michigan

Kathy Stratton
Williamsburg, MI
Tel: 231.642.1604
kathy.stratton@outlook.com

Minnesota

Randy Brooks
Omaha, NE
Tel: 641.226.0654
rbrooks@coredsolutions.com

Mississippi

Kim Stilwell
Arlington, VA
Tel: 703.312.9247
kstilwell@nsta.org

Missouri

Darren Boles
Blue Springs, MO
Tel: 816.808.3262
darren@boleseducationsolutions.com

Montana

Kim Stilwell
Arlington, VA
Tel: 703.312.9247
kstilwell@nsta.org

Nebraska

Randy Brooks
Omaha, NE
Tel: 641.226.0654
rbrooks@coredsolutions.com

Nevada

Brad Peters
Chandler, AZ
Tel: 602.757.2575
Brad.nsta@gmail.com

New Hampshire

Shalin Inc.
Himanshu Jain, Ossining, NY
Tel: 917.674.0391
hjain05@gmail.com

New Jersey

Shalin Inc.
Himanshu Jain, Ossining, NY
Tel: 917.674.0391
hjain05@gmail.com

Judy Thau, Croton-on-Hudson, NY
Tel: 914.309.3359
atozresources@optonline.net

New Mexico

Brad Peters
Chandler, AZ
Tel: 602.757.2575
Brad.nsta@gmail.com

New York

Shalin Inc.
Himanshu Jain, Ossining, NY
Tel: 917.674.0391
hjain05@gmail.com

Judy Thau, Croton-on-Hudson, NY
Tel: 914.309.3359
atozresources@optonline.net

North Carolina

Kim Stilwell
Arlington, VA
Tel: 703.312.9247
kstilwell@nsta.org

North Dakota

Darren Boles
Blue Springs, MO
Tel: 816.808.3262
darren@boleseducationsolutions.com

Ohio

Dee Camp
Avon, IN
Tel: 317.514.6515
dee@deecampeducation.com

Oklahoma

Kim Stilwell
Arlington, VA
Tel: 703.312.9247
kstilwell@nsta.org

Oregon

Dan Taylor
Portland, OR
Tel: 360.608.2069
dan@tayloreducationalmedia.com

Pennsylvania

Debra Sawyer, PhD
Charlestown, MD
Tel: 303.638.9585
debrasmoulton@aol.com

Rhode Island

Shalin Inc.
Himanshu Jain, Ossining, NY
Tel: 917.674.0391
hjain05@gmail.com

South Carolina

Kim Stilwell
Arlington, VA
Tel: 703.312.9247
kstilwell@nsta.org

South Dakota

Darren Boles
Blue Springs, MO
Tel: 816.808.3262
darren@boleseducationsolutions.com

Tennessee

Kim Stilwell
Arlington, VA
Tel: 703.312.9247
kstilwell@nsta.org

Texas

Jackie Amos
Granbury, TX
Tel: 940.222.9978
jackie.amosnsta@gmail.com

Utah

Dan Taylor
Portland, OR
Tel: 360.608.2069
dan@tayloreducationalmedia.com

Vermont

Shalin Inc.
Himanshu Jain, Ossining, NY
Tel: 917.674.0391
hjain05@gmail.com

Judy Thau, Croton-on-Hudson, NY
Tel: 914.309.3359
atozresources@optonline.net

Virginia

Debra Sawyer, PhD
Charlestown, MD
Tel: 303.638.9585
debrasmoulton@aol.com

Washington

Dan Taylor
Portland, OR
Tel: 360.608.2069
dan@tayloreducationalmedia.com

West Virginia

Debra Sawyer, PhD
Charlestown, MD
Tel: 303.638.9585
debrasmoulton@aol.com

Wisconsin

Terry Shulman
Chicago, IL
Tel: 773.960.2024
tershul@gmail.com

Wyoming

Jill Netz-Fulkerson, PhD
Tel: 303.237.5005 (work);
720.635.0381 (cell)
jillfulkerson@comcast.net



1840 Wilson Boulevard
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