

EXHIBITORS

NATIONAL CONFERENCE
on **SCIENCE EDUCATION**

BOSTON

APRIL 3-6, 2014

VOL. 4

NSTA National
Science
Teachers
Association

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TOSHIBA | NSTA

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Through **Toshiba's** shared mission partnership with **NSTA**, the Toshiba/NSTA ExploraVision competition makes a vital contribution to the educational community.





NSTA 62nd National Conference on Science Education

Boston, Massachusetts • April 3–6, 2014

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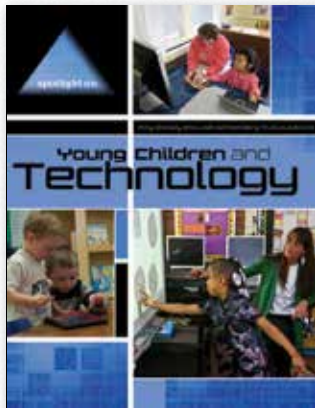
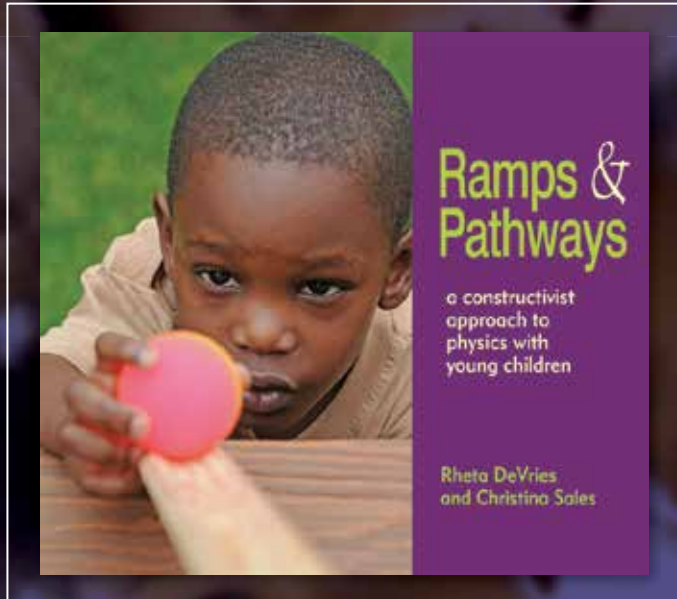
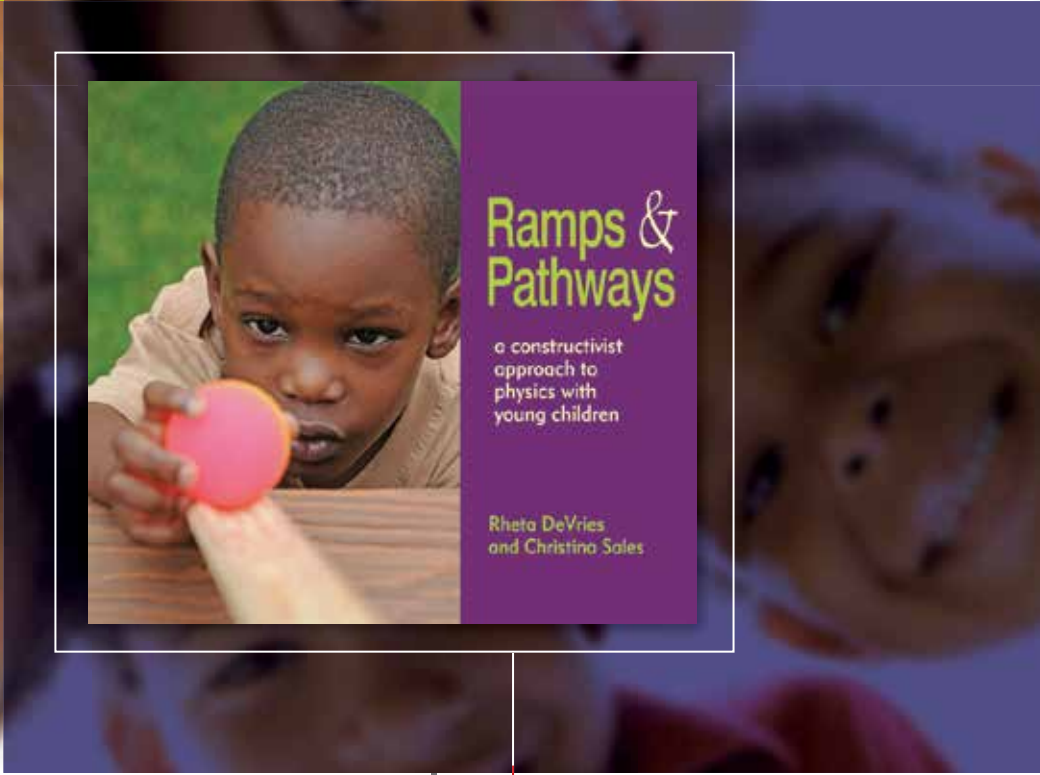
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Photo of the equestrian George Washington statue in
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✳ Join us every day for demonstrations of physics and young children based on our book **Ramps and Pathways**.

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Biology/Life Science	B
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Environmental Science	EN
Integrated/General Science	G
Physics/Physical Science	PH
Professional Development	PD
Technology Education	T

Look for a map display of the Exhibit Hall. Maps are also available via our Conference app. Scan QR code to download.



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Science NetLinks is produced by the American Association for the Advancement of Science (AAAS). Science NetLinks provides a wealth of standards-supported science resources for K-12 educators and students, including lesson plans, interactives, podcasts, and news. All of

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Tucker, GA 30084 G, PH, T
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E-mail: vicki.campbell@aalas.org
Website: www.aalasfoundation.org

The American Association for Laboratory Animal Science (AALAS) Foundation is a non-profit organization dedicated to educational outreach on the role of responsible laboratory animal care and use in science to advance human and animal health. The AALAS Foundation provides free materials to assist educators in teaching students about biomedical research (including interactive online course curricula). We also offer free resources regarding career opportunities in the field of biomedical research.

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1 Physics Ellipse PH
College Park, MD 20740 9–12, College
Phone: 301-209-3626
E-mail: rrosier@aapt.org
Website: www.aapt.org

AAPT is the premier global professional society established to advance the greater good through physics education. With the support of our members worldwide, AAPT is an action-oriented organization designed to develop, improve, and promote best practices for physics education as part of the global need for qualified science, technology, engineering, and mathematics teachers who will inspire tomorrow’s leaders and decision makers.

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1155 16th St. NW C, G
Washington, DC 20036 K–12
Phone: 202-872-6269
E-mail: t_taylor@acs.org
Website: www.acs.org/education

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 G, PH
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 Phone: 301-209-3204
 E-mail: roche@aps.org
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 K–12, College
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 Rockville, MD 20855
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 E-mail: info@aspb.org
 Website: www.aspb.org

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 Website: www.avma.org

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PASCO's SPARKscience for K-8 Students—
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PASCO's SPARKscience for High School Students-
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Friday – April 4, 2014

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Advancing NGSS Practices with Probeware
Free Starter Kits for Attendees!
 10:00am-11:30am

PASCO's SPARKscience for K-8 Students—
Free Starter Kits for Attendees!
 12:00pm-1:30pm

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Free Starter Kits for Attendees!
 2:00pm-3:30pm

PASCO's SPARKscience for High School Students-
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 4:00pm-5:30pm

Free probeware starter kits, including five sensors and USB interface, will be given to 5 lucky attendees!

Exhibitors

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Website: www.animalearn.org

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Phone: 202-783-0500
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 McVeytown, PA 17051 K–12
 Phone: 814-542-2501, x181
 E-mail: sborder@blendedschools.net

Blended Schools Network is the nation's largest not-for-profit corporation dedicated to helping schools adopt and implement online and blended learning by providing learning management technologies, K–12 online curriculum aligned to the CCSS, professional development, and a rich community network.

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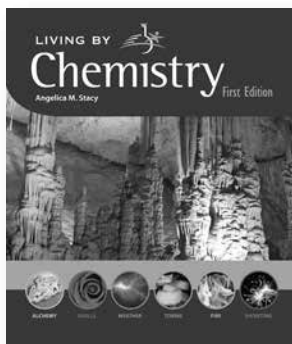
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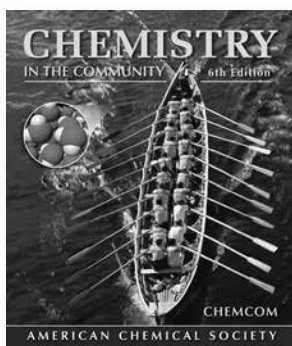


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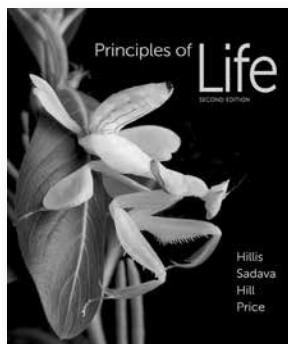
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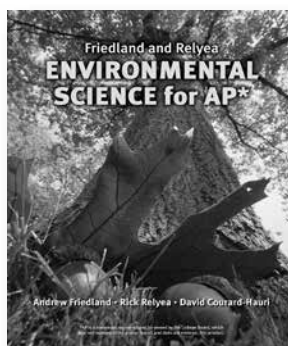
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Math for America is a nonprofit organization with a mission to improve mathematics and science education in U.S. public secondary schools by building a corps of outstanding STEM teachers and leaders.

McREL International #1424
 4601 DTC Blvd. G, PD
 Denver, CO 80237 K-12
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McREL International is a nonprofit corporation based in Denver, Colorado, with offices in Hawaii, Tennessee, West Virginia, and Australia. McREL focuses on research, product development, technical assistance, and training for K-12 education improvement, as well as specializing in leadership development, standards-based instructional practice, and systemic reform.

Exhibitors

Measured Progress #1337
100 Education Way G, PD, T
Dover, NH 03820 K-12
Phone: 603-749-9102
E-mail: speechley.denise@measuredprogress.org
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Merrimack, NH 03054 9-12
Phone: 603-553-3835
E-mail: raymond.sleeper@merrimack.k12.nh.us

Merrimack Biodiesel is a science and engineering club that performs science research and solves engineering problems. We developed our name and logo in 2006 when we began work on a benchtop biodiesel processor. Current student projects include building a prosthetic arm, growing algae for oil, and synthetic biology among others.

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EA, EN, PH, PD, T
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Phone: 510-643-5669
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Phone: 202-706-7464
E-mail: lwei@hagerssharp.com
Website: www.nationsreportcard.gov

The National Assessment of Educational Progress (NAEP) is the largest continuing and nationally representative assessment of what America's students know and can do. NAEP is administered by the National Center for Education Statistics within the U.S. Department of Education. The results are released as The Nation's Report Card.

National Association for Education of Young Children (NAEYC) #1317
1313 L St. NW EA, EN, G, PH, PD, T
Washington, DC 20005 PreK-3
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E-mail: kdonato@naeyc.org
Website: www.naeyc.org

NAEYC is the largest membership association in the world serving the needs of early childhood educators.

National Earth Science Teachers Association (NESTA) #1139 EA
PO Box 20854
Boulder, CO 80308
Website: www.nestanet.org

Our mission is to facilitate and advance excellence in Earth and space science education. NESTA's purpose is the advancement, stimulation, extension, improvement, and coordination of Earth science education at all educational levels.

National Ecological Observatory Network (NEON) #719 B, C
1685 38th St., Suite 100 EA, EN
Boulder, CO 80301 PreK-12, College
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Website: www.neoninc.org

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Williston, VT 05495-7157 College
Phone: 800-538-7476
E-mail: nicholer@garden.org
Website: www.gardeningwithkids.org

Gardening with Kids is a nonprofit association helping teachers implement indoor and outdoor classrooms to connect students and the environment through plant-based educational activities, including GrowLab light gardens and a wide assortment of growing tools, lesson plans, grants, curricula, and much more.

National Geographic Education #429 EA, EN, G, PD
1145 17th St. NW K-12
Washington, DC 20036
Website: www.NatGeoEd.org

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Independence, KY 41051
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National Institute of Neurological Disorders and Stroke #1322 B
31 Center Dr., Bldg. 31, Room 8A07 1-12
Bethesda, MD 20892 College
Website: www.ninds.nih.gov

The National Institute of Neurological Disorders and Stroke (NINDS) provides information about available research support and free publications for students, patients, and their families on stroke and various other neurological disorders. Members of the NINDS staff will be available to assist you. Printed material is available.

National Math + Science Initiative #1420 B, C, EA, EN,
8350 N. Central Expressway G, PH, PD
Dallas, TX 75206 3-12
Phone: 214-346-1200
E-mail: hvictor@nms.org
Website: www.nms.org

The National Math and Science Initiative was launched in 2007 by top leaders in business, education, and science to transform education in the U.S. NMSI has received national recognition for training grades 3-12 teachers and improving student performance through the rapid expansion of NMSI's College Readiness program, NMSI's Laying the Foundation, and NMSI's UTeach Replication program.

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 E-mail: ngss@nsta.org
 Website: ngss.nsta.org

How can NSTA help you prepare for the *Next Generation Science Standards*? Stop by our booth to hear the latest news about state adoption and check out a sampling of NSTA resources dedicated to helping teachers understand and implement the new standards.

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Exhibitors

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 Website: www.nsta.org/nominations

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 E-mail: wbinder@nsta.org
 Websites: www.nsta.org/academy; www.nsta.org/learningcenter

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NSTA Teacher Award Committee #1207
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 E-mail: awards@nsta.org
 Website: www.nsta.org/awards

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Nutrients for Life Foundation #916
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 Phone: 800-962-9065
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Nutrients for Life Foundation is a nonprofit education association that provides information and resources to educators and the public about the vital role fertilizers play in feeding our world. The Foundation offers free soil science education materials for elementary, middle school, and high school educators.

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National Earth Science Teachers Association Events at 2014 Boston NSTA Conference



All NESTA sessions are in the **Boston Convention & Exhibition Center, 052A/B** unless otherwise indicated

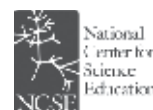
Friday, April 4

- 9:30 – 10:30 am NESTA Geology Share-a-Thon
- 11:00 am – noon NESTA Climate, Oceans and Atmosphere Share-a-Thon
- 12:30 – 1:30 pm NESTA Earth System Science Share-a-Thon
- 2:00 – 3:00 pm It's Elementary! Effective Approaches for Addressing the Earth Science Next Generation Science Standards in the Elementary Classroom
- 2:00 – 3:00 pm American Geophysical Union Lecture, "Geosciences – The Nexus of Data Driven Science and Applications", Prof. Suchi Gopal, Boston University (CC 210A/B)
- 3:30 – 4:30 pm Effective Approaches for Addressing the Next Generation Science Standards in the Earth and Space Science Classroom
- 6:30 – 7:00 pm NESTA Friends of Earth Science Reception (Boston Museum of Science)

Saturday, April 5

- 8:00 – 9:00 am NESTA Space Science Share-a-Thon
- 9:30 – 10:30 am Effective Strategies for Sharing Climate Change Science and Energy Consumption Implications in the Classroom
- 11:00 am – noon High-Impact Classroom Earth Science in a STEM World
- 12:30 – 1:30 pm NESTA Advances in Earth and Space Science Lunchtime Lecture, "The CLEAN Collection – Reviewed Climate And Energy Teaching Resources To Enhance Teaching", Dr. Tamara Ledley, TERC
- 2:00 – 3:00 pm Using Natural Hazards as a Hook in the Earth and Space Science Classroom
- 3:30 – 4:30 pm NESTA Rock and Mineral Raffle
- 5:00 – 6:00 pm NESTA Annual Membership Meeting

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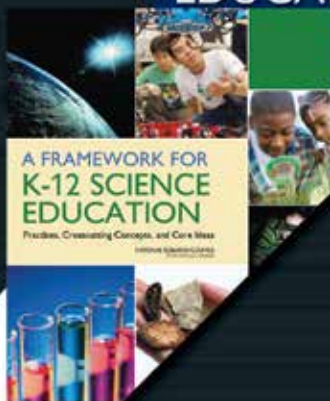
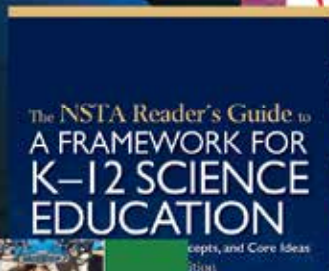
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Meet the Author

“SCIENCE BOB” PFLUGFELDER

Date: Friday, April 4

Time: 10am-11am in Booth #1315

RANDOM HOUSE

Nick and Tesla are bright 11-year-old siblings with a knack for science, electronics, and getting into trouble. When their parents mysteriously vanish, they're sent to live with their Uncle Newton, a brilliant inventor who engineers top-secret gadgets for a classified government agency. It's not long before Nick and Tesla are embarking on adventures of their own—engineering all kinds of outrageous MacGyverish contraptions to save their skin: 9-volt burglar alarms, electromagnets, mobile tracking devices, and more. Readers are invited to join in the fun as each story contains instructions and blueprints for five different projects

“SCIENCE BOB” PFLUGFELDER is an award-winning elementary school science teacher. He blows stuff up, and kids (and their parents) love it. His fun and informative approach to science has led to television appearances on *The Home & Family Show*, *Access Hollywood*, *Extra*, and *The History Channel*. He is also a regular guest on *Jimmy Kimmel Live*, *The Dr. Oz Show*, and *Live With Kelly & Michael* (formerly *Live With Regis & Kelly*.) He lives in Newton, Massachusetts.

“I love the book! It combines science, intrigue and great fiction together in a wild ride for the reader. Nothing tickles me more than seeing a story really charged up with science. And the projects are so much fun! More please!”

—Lynn Brunelle, four-time Emmy Award-winning writer for “Bill Nye the Science Guy” and the author of *Pop Bottle Science*

“A great way to show kids that problems can often be solved by applying a bit of creative energy with some tech know-how. And Nick and Tesla (and Uncle Newton) are the perfect companions for your young reader looking for some (safe) adventures.”

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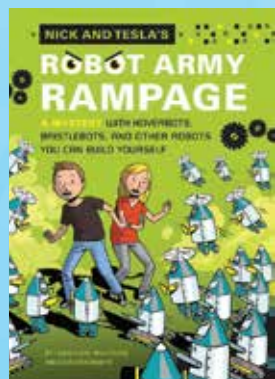
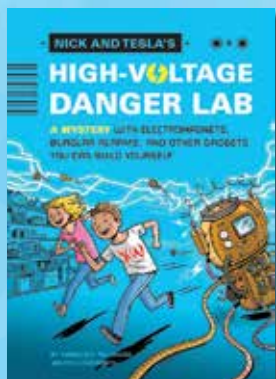
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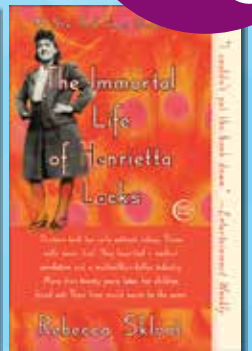
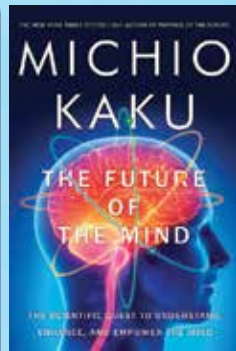
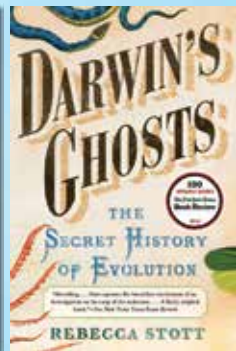
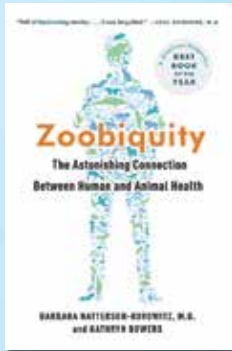
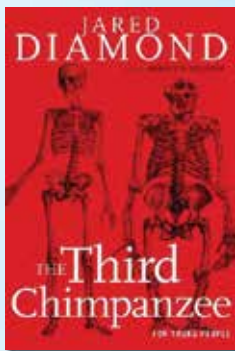
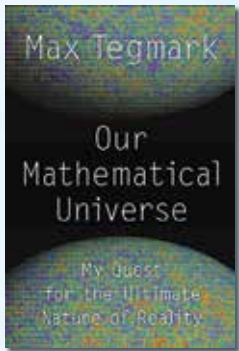
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3D Molecular Designs, LLC (Booth #309)

Thursday, April 3	10:00–11:30 AM	107C, BCEC	Telling Molecular Stories with the Cellular Landscapes of David Goodsell
Thursday, April 3	12 Noon–1:30 PM	107C, BCEC	Practice Makes Perfect: Modeling as an NGSS Authentic Practice of Science
Friday, April 4	4:00–5:30 PM	109B, BCEC	The ABCD's of Modeling: an NGSS Authentic Practice of Science
Saturday, April 5	10:00–11:30 AM	107C, BCEC	Be the First to Test Our Dynamic DNA Discovery Kit

4D Land Inc. (Booth #607)

Saturday, April 5	10:00–11:30 AM	105, BCEC	Make DNA Replication with 4D Frame
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Achieve3000® (Booth #1228)

Friday, April 4	2:00–3:30 PM	107C, BCEC	Experience the Power of a Digital Middle School Program
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Aldon Corp. (Booth #433)

Friday, April 4	4:00–5:30 PM	104B, BCEC	Chemi-Paloosa and Hands-On Activities That Will Really Get a Reaction
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American Chemical Society (Booth #1220)

Friday, April 4	10:00–11:30 AM	107B, BCEC	<i>Chemistry in the Community</i> , 6th Edition—Reinventing Itself
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Amplify (Booth #1309)

Thursday, April 3	10:00–11:30 AM	153C, BCEC	33 Strategies for Integrating Disciplinary Literacy
Thursday, April 3	12 Noon–1:30 PM	153C, BCEC	Integration of the NGSS and the <i>Common Core State Standards</i> in the Elementary Classroom
Thursday, April 3	4:00–5:30 PM	153C, BCEC	Get Results with Science and Literacy Integration: Seeds of Science/Roots of Reading®

ANATOMY IN CLAY® Learning System (Booth #625)

Thursday, April 3	2:00–3:30 PM	108, BCEC	Building Human Anatomy in Clay—One Body System at a Time
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Animalearn (Booth #405)

Friday, April 4	10:00–11:30 AM	107C, BCEC	Adventures Into the Digital Biology Classroom: How Technology Can Revolutionize Teaching
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AquaPhoenix Education (Kemtec) (Booth #809)

Friday, April 4	4:00–5:30 PM	107C, BCEC	Introduction to Plant Cloning and Growth Regulation
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Arbor Scientific (Booth #209)

Thursday, April 3	10:00–11:30 AM	104B, BCEC	Light and Color: Engaging Classroom Activities
Saturday, April 5	10:00–11:30 AM	152, BCEC	Be Moved—Engaging Force and Motion Classroom Activities

Backyard Brains, Inc. (Booth #1432)

Saturday, April 5	8:00–9:30 AM	107A, BCEC	Bringing Real Neuroscience (Spiking Neurons!) into Your Classroom
Saturday, April 5	2:00–3:30 PM	107A, BCEC	Bringing Real Neuroscience (Spiking Neurons!) into Your Classroom

Index of Exhibitor Workshops

Bio-Rad Laboratories (Booth #315)

Thursday, April 3	8:00–9:30 AM	157B, BCEC	Identify Patient Zero of a Zombie Apocalypse!
Thursday, April 3	9:00–11:30 AM	157A, BCEC	Explore Molecular Evolution Using Protein Electrophoresis (AP Big Ideas 1, 3, 4)
Thursday, April 3	10:00–11:30 AM	157B, BCEC	How to Use Pop Culture Science in Your Science Classes
Thursday, April 3	1:00–3:30 PM	157A, BCEC	Generate a DNA Barcode and Identify Species (AP Big Ideas 1, 2, 3, 4)
Thursday, April 3	1:30–3:00 PM	157B, BCEC	Engineer the Tools for Inquiry of Candy Food Dyes
Thursday, April 3	3:30–5:00 PM	157B, BCEC	Worm and Squirm Your Way into Behavior Labs (AP Big Ideas 1, 2, 3, 4)
Friday, April 4	8:30–10:00 AM	157B, BCEC	Worm and Squirm Your Way into Behavior Labs (AP Big Ideas 1, 2, 3, 4)
Friday, April 4	9:00–11:30 AM	157A, BCEC	DNA Detectives: Who Killed Jose? (AP Big Ideas 3, 4)
Friday, April 4	10:30–11:30 AM	157B, BCEC	Science, Fashion, and Fun! Genes in a Bottle™ Kit
Friday, April 4	1:00–2:00 PM	157B, BCEC	Solve a Forensic Mystery Story Using Engineering and Science
Friday, April 4	1:00–2:30 PM	157A, BCEC	Shifting Practices to Infuse Science and Engineering Practices with the NGSS
Friday, April 4	3:00–4:00 PM	157B, BCEC	Ecology to Enzymes to Industry (AP Big Ideas 1, 2, 4)
Friday, April 4	3:00–4:30 PM	157A, BCEC	Communicating Science Through Lab Notebooking
Saturday, April 5	9:00–10:30 AM	157A, BCEC	Show Me the Money! Finding Funds for Biotech, A Grant Writing Workshop

BIOZONE International, Ltd. (Booth #1120)

Thursday, April 3	2:00–3:30 PM	104B, BCEC	Biology for NGSS: A New Approach for a New Program
Friday, April 4	10:00–11:30 AM	104B, BCEC	Engaging Students Effectively: The BIOZONE Solution
Saturday, April 5	10:00–11:30 AM	104B, BCEC	Environmental Science: The BIOZONE Solution

Carolina Biological Supply (Booth #137)

Thursday, April 3	8:00–9:30 AM	102B, BCEC	Keep Calm and Chemistry On: Successful Lab Activities for the New Chemistry Teacher
Thursday, April 3	8:00–9:30 AM	103, BCEC	Integrative STEM Learning K–2
Thursday, April 3	8:00–9:30 AM	102A, BCEC	AUTOPSY: Forensic Dissection Featuring Carolina's Perfect Solution® Pigs
Thursday, April 3	10:00–11:30 AM	102B, BCEC	Bring Visual Science into Grades K–5 Classrooms—It's a Game Changer!
Thursday, April 3	10:00–11:30 AM	103, BCEC	STEM—Early Childhood Style!
Thursday, April 3	10:00–11:30 AM	102A, BCEC	Comparative Vertebrate Anatomy with Carolina's Perfect Solution® Specimens
Thursday, April 3	12 Noon–1:30 PM	103, BCEC	Guiding Questions for the Next Generation K–8
Thursday, April 3	12 Noon–1:30 PM	102A, BCEC	Introduction to Wisconsin Fast Plants®
Thursday, April 3	2:00–3:30 PM	102B, BCEC	Engineer Excitement in Your Classroom with a Carolina STEM Challenge®
Thursday, April 3	2:00–3:30 PM	102A, BCEC	Hands-On Science with Classroom Critters
Thursday, April 3	2:00–3:30 PM	103, BCEC	STEM and <i>Common Core State Standards</i> K–5
Friday, April 4	8:00–9:30 AM	102A, BCEC	Comparative Vertebrate Anatomy with Carolina's Perfect Solution® Specimens
Friday, April 4	8:00–9:30 AM	103, BCEC	Captivating Digital Natives' Imaginations with STEM Visual Literacy
Friday, April 4	8:00–9:30 AM	102B, BCEC	Inquiry + Nonfiction Readings = Engaged Biology and Chemistry Students

Carolina Biological Supply, cont.

Friday, April 4	10:00–11:30 AM	102A, BCEC	AUTOPSY: Forensic Dissection Featuring Carolina's Perfect Solution® Pigs
Friday, April 4	10:00–11:30 AM	102B, BCEC	Engineer Excitement in Your Classroom with a Carolina STEM Challenge®
Friday, April 4	10:00–11:30 AM	103, BCEC	Flipping Out Over Chemistry!
Friday, April 4	12 Noon–1:30 PM	102B, BCEC	Keep Calm and Chemistry On: Successful Lab Activities for the New Chemistry Teacher
Friday, April 4	12 Noon–1:30 PM	103, BCEC	Focus and Explore Wave Energy and STEM Education K–8
Friday, April 4	12 Noon–1:30 PM	102A, BCEC	Hands-On Activities to Model Habitat Preference and Population Sampling
Friday, April 4	2:00–3:30 PM	103, BCEC	Reflection and Application of the NGSS: Learning to Write to Argue with Claims and Evidence K–8
Friday, April 4	2:00–3:30 PM	102A, BCEC	Genes and conSEQUENCES with HudsonAlpha
Friday, April 4	2:00–3:30 PM	102B, BCEC	Bring Visual Science into 6–8 Classrooms—It's a Game Changer!
Friday, April 4	4:00–5:30 PM	102A, BCEC	Labs That Fit: Making Inquiry Work in Your AP Biology Classroom
Friday, April 4	4:00–5:30 PM	102B, BCEC	Carolina Investigations™ for AP Chemistry
Friday, April 4	4:00–5:30 PM	103, BCEC	Great Explorations in Math and Science for the Next Generation: The Roles of Water in Earth System, Ecosystems, and Human Activity
Saturday, April 5	10:00–11:30 AM	102B, BCEC	Picking Apart The Owl Pellet
Saturday, April 5	10:00–11:30 AM	103, BCEC	Flipping Out Over Chemistry!
Saturday, April 5	10:00–11:30 AM	102A, BCEC	Hands-On Science with Classroom Critters
Saturday, April 5	12 Noon–1:30 PM	102A, BCEC	Introduction to Wisconsin Fast Plants®
Saturday, April 5	12 Noon–1:30 PM	102B, BCEC	Strawberry DNA and Molecular Models

CPO Science/School Specialty Science (Booth #514)

Thursday, April 3	8:00–9:30 AM	151B, BCEC	Chemistry and the Atom: Fun with Atom Building Games!
Thursday, April 3	10:00–11:30 AM	151B, BCEC	Genetics: Crazy Traits
Thursday, April 3	12 Noon–1:30 PM	151B, BCEC	Building an Electronic Motor the STEM Way with CPO Science
Thursday, April 3	2:00–3:30 PM	151B, BCEC	Wind Turbine: A STEM Approach to Science Concepts
Thursday, April 3	4:00–5:30 PM	151B, BCEC	Light and Optics: A Series of EnLIGHTening Experiments!
Friday, April 4	8:00–9:30 AM	151B, BCEC	Genetics: Crazy Chromosomes
Friday, April 4	10:00–11:30 AM	151B, BCEC	Wind Turbine: A STEM Approach to Science Concepts
Friday, April 4	12 Noon–1:30 PM	151B, BCEC	Chemistry and the Atom: Fun with Atom Building Games!

Delta Education/School Specialty Science (Booth #415)

Thursday, April 3	8:00–9:30 AM	151A, BCEC	DSM and STEM: Challenges for the Elementary Student
Thursday, April 3	10:00–11:30 AM	151A, BCEC	What's Going on in There? NGSS and STEM for Administrators, Trainers, and University Faculty
Thursday, April 3	12 Noon–1:30 PM	151A, BCEC	Teaching Argumentation for Our Next Generation
Thursday, April 3	2:00–3:30 PM	151A, BCEC	Science Gnus for Teachers—Famous Scientists, STEM, and the NGSS
Thursday, April 3	4:00–5:30 PM	151A, BCEC	Science, the Literacy Connection, and the <i>Common Core State Standards, ELA</i>

Delta Education/School Specialty Science–FOSS (Booth #415)

Thursday, April 3	8:00–9:30 AM	152, BCEC	FOSStering the Common Core: Science-centered Language Development
Thursday, April 3	10:00–11:30 AM	152, BCEC	Science Practices: What Does Argumentation Look Like in an Elementary Classroom?
Thursday, April 3	12 Noon–1:30 PM	152, BCEC	Online Assessment That Informs Instruction!
Thursday, April 3	2:00–3:30 PM	152, BCEC	Asteroid! Will Earth Be Hit Again?
Thursday, April 3	4:00–5:30 PM	152, BCEC	Evidence for Plate Movement

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Delta Education/School Specialty Science—FOSS, cont.

Friday, April 4	8:00–9:30 AM	152, BCEC	Online Assessment that Informs Instruction!
Friday, April 4	10:00–11:30 AM	152, BCEC	Engineering in Elementary Science: Designing with FOSS
Friday, April 4	12 Noon–1:30 PM	152, BCEC	Let's Go Outside! Taking Science to the School Yard
Friday, April 4	2:00–3:30 PM	152, BCEC	Scientific Practices: What Does Argumentation Look Like in an Elementary Classroom?
Friday, April 4	4:00–5:30 PM	152, BCEC	Addressing Engineering Practices and Design Standards at Middle School

Dinah-Might Adventures, LP (Booth #1131)

Friday, April 4	2:00–3:30 PM	104B, BCEC	Envelope Graphic Organizers—UnFOLDing the Possibilities
Saturday, April 5	12 Noon–1:30 PM	104B, BCEC	Making Science Notebooks FOLD-tastic

Discovery Education (Booth #1137)

Thursday, April 3	8:00–9:30 AM	154, BCEC	COMMON Practices That Get to the CORE of Great Instruction Using Discovery Education Science Techbook
Thursday, April 3	10:00–11:30 AM	154, BCEC	The Digital Classroom with Discovery Education Science Techbook—What Does It Look Like?
Thursday, April 3	12 Noon–1:30 PM	154, BCEC	STEMtastic Strategies
Thursday, April 3	4:00–5:30 PM	154, BCEC	Rush to Get Smashed Then “Busted”
Friday, April 4	8:00–9:30 AM	154, BCEC	Evaluating Student Knowledge: Formative Assessments with Discovery Education Science Techbook
Friday, April 4	10:00–11:30 AM	154, BCEC	STEMtastic Strategies
Friday, April 4	12 Noon–1:30 PM	154, BCEC	Busting the Myth That the <i>Common Core State Standards</i> Are Difficult to Meet in Science
Friday, April 4	2:00–3:30 PM	154, BCEC	Hands-On Digital in the High School Science Classroom
Friday, April 4	4:00–5:30 PM	154, BCEC	Celebrate Discovery Education's Newest Life Science Program
Saturday, April 5	8:00–9:30 AM	154, BCEC	STEMtastic Strategies
Saturday, April 5	10:00–11:30 AM	154, BCEC	Help Students Discover the Science of Everyday Life
Saturday, April 5	12 Noon–1:30 PM	154, BCEC	Discovery Education Science Techbook—The Student Experience
Saturday, April 5	2:00–3:30 PM	154, BCEC	COMMON Practices that Get to the CORE of Great Instruction using Discovery Education Science Techbook

The Dow Chemical Co. (Booth #1351)

Friday, April 4	8:00–9:30 AM	Pacific D/E, Renaissance	You Be The Chemist®: Activities for Making Chemistry Fun!
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eCYBERMISSION (Booth #1214)

Thursday, April 3	10:00–11:30 AM	107B, BCEC	Modeling and Engineering Design—From Ideas to Reality
Friday, April 4	4:00–5:30 PM	107B, BCEC	Engineering Design vs. Scientific Practices: A Closer Look at the NGSS Practices

Educational Innovations, Inc. (Booths #1045/#1145)

Friday, April 4	8:00–9:30 AM	258B, BCEC	What the Heck Happened?!
Friday, April 4	10:00–11:30 AM	258B, BCEC	Fantastical Chemistry Demos for All Classrooms
Friday, April 4	12 Noon–1:30 PM	258B, BCEC	Elementary Teacher Survival Kit
Friday, April 4	2:00–3:30 PM	258B, BCEC	Cool! Can We Do That Again?!
Friday, April 4	4:00–5:30 PM	258B, BCEC	The Private Eye® Way to Magnify Minds! Hands-On Science, Writing, and Art to Fire Up STEM
Saturday, April 5	10:00–11:30 AM	258B, BCEC	3-2-1 Blast Off!

Edvotek Inc. (Booth #743)

Thursday, April 3	8:00–9:30 AM	150, BCEC	Diagnosing the Silent Killer: A Simulation of the Clinical Detection of Diabetes
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Edvotek Inc., cont.

Thursday, April 3	10:00–11:30 AM	150, BCEC	Is This Your First Biotechnology Workshop? Welcome to the Basics!
Thursday, April 3	12 Noon–1:30 PM	150, BCEC	Solving the Case of the Missing Records Using DNA Fingerprinting
Thursday, April 3	2:00–3:30 PM	150, BCEC	Wait! Were the Chips I Ate Genetically Modified?
Thursday, April 3	4:00–5:30 PM	150, BCEC	The Drunken Worms: Exploring Gene Function with <i>C. elegans</i>

Exo Labs (Booth #558)

Friday, April 4	2:00–3:30 PM	109A, BCEC	iPads in Biology—Digital Microscopy and More!
Saturday, April 5	10:00–11:30 AM	109A, BCEC	iPads in General Science—Digital Microscopy and More!

Fisher Science Education (Booth #551)

Friday, April 4	8:00–9:30 AM	150, BCEC	Teaching Astronomy During the Day and Beyond the Classroom
Friday, April 4	10:00–11:30 AM	150, BCEC	The STEM Design Challenge
Friday, April 4	1:30–3:00 PM	150, BCEC	Chemical and Environmental Technology
Friday, April 4	3:30–5:00 PM	150, BCEC	Using a STEM Teaching Approach to Investigate Alternative Energy

Flinn Scientific, Inc. (Booth #109)

Thursday, April 3	8:00–9:30 AM	258A, BCEC	New Advanced Inquiry Labs for AP Biology from Flinn Scientific
Thursday, April 3	10:00–11:30 AM	258A, BCEC	Flinn Scientific Presents Best Practices for Teaching Chemistry: Experiments and Demonstrations
Thursday, April 3	12 Noon–1:30 PM	258A, BCEC	Hands-On Integrated Science Activities for Middle School from Flinn Scientific
Thursday, April 3	2:00–3:30 PM	258A, BCEC	Flinn Scientific Presents “How to Design a Safe and Efficient Science Laboratory”
Thursday, April 3	4:00–5:30 PM	258A, BCEC	New Advanced Inquiry Labs for AP Chemistry from Flinn Scientific
Friday, April 4	8:00–9:30 AM	258A, BCEC	Fantastic Physical Science Demonstrations from Flinn Scientific
Friday, April 4	10:00–11:30 AM	258A, BCEC	New Advanced Inquiry Labs for AP Biology from Flinn Scientific
Friday, April 4	10:00–11:30 AM	210 A/B, BCEC	Morning of Inquiry—Making Inquiry Safe, Manageable, and Inspirational in Grades 6–12
Friday, April 4	12 Noon–1:30 PM	258A, BCEC	Flinn Favorite Biology Lab Activities and Games
Friday, April 4	2:00–3:30 PM	258A, BCEC	New Advanced Inquiry Labs for AP Chemistry from Flinn Scientific
Saturday, April 5	10:00–11:30 AM	258A, BCEC	Dynamic Demonstrations from Flinn Scientific
Saturday, April 5	12 Noon–1:30 PM	258A, BCEC	Flinn Scientific Activities to Integrate STEM Education

Fourier Education (Booth #1015)

Thursday, April 3	9:00 AM–5:30 PM	258B, BCEC	einstein™ STEMathon
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Frey Scientific/School Specialty Science (Booth #515)

Friday, April 4	2:00–3:30 PM	151B, BCEC	Solving the Mystery of STEM Using Forensic Science
Friday, April 4	4:00–5:30 PM	151B, BCEC	What’s the “Big Idea” in AP Biology?

Howard Hughes Medical Institute (Booth #843)

Thursday, April 3	8:00–9:30 AM	107A, BCEC	Genotype to Phenotype—Mapping Genes to Traits in Dogs
Thursday, April 3	10:00–11:30 AM	107A, BCEC	Fossil and Genetic Evidence of Human Evolution
Thursday, April 3	12 Noon–1:30 PM	107A, BCEC	Genomic Neuroscience—From Synapse to Autism
Thursday, April 3	2:00–3:30 PM	107A, BCEC	From DNA Structure to the Genomic Era
Thursday, April 3	4:00–5:30 PM	107A, BCEC	Biology on Geologic Timescales

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Howard Hughes Medical Institute, cont.

Friday, April 4	8:00–9:30 AM	107A, BCEC	STEM Resources for Teaching Climate Change: Easy, Engaging, and Free
Friday, April 4	10:00–11:30 AM	107A, BCEC	Math and Statistics in the Biology Classroom
Friday, April 4	12 Noon–1:30 PM	107A, BCEC	How and Why Species Multiply: Free Resources for Teaching Speciation
Friday, April 4	2:00–3:30 PM	107A, BCEC	Meet Your Inner Fish and Other Great Transitions in Evolution
Friday, April 4	4:00–5:30 PM	107A, BCEC	Using Cancer to Teach Cell Biology

It's About Time (Booth #121)

Thursday, April 3	8:00–9:00 AM	156C, BCEC	Effortlessly Integrate <i>CCSS ELA</i> into Your Middle School Science Curriculum
Thursday, April 3	9:30–10:30 AM	156C, BCEC	Active Chemistry: A Project-based Program Capturing the Essence of the <i>NGSS</i> and STEM
Thursday, April 3	11:00 AM–12 Noon	156C, BCEC	Merging the Three Dimensions of the <i>Next Generation Science Standards</i>
Thursday, April 3	12:30–1:30 PM	156C, BCEC	Bringing Technology into Your STEM Classroom
Thursday, April 3	2:00–3:00 PM	156C, BCEC	Inquiry-based College Science Texts for the Next Generation of Students and Teachers
Thursday, April 3	3:30–4:30 PM	156C, BCEC	Project-based Science CyberPD for the 21st Century: A Panel Discussion of 24/7, Just-in-Time Professional Development
Friday, April 4	8:00–9:00 AM	156C, BCEC	Engineering in the <i>Next Generation Science Standards</i>
Friday, April 4	9:30–10:30 AM	156C, BCEC	Investigating Astronomy: A Project-based Astronomy Course Written Expressly for High School
Friday, April 4	11:00 AM–12 Noon	156C, BCEC	A Project-based Earth and Space Systems Science Program Developed by the American Geosciences Institute
Friday, April 4	12:30–1:30 PM	156C, BCEC	Project-based Learning Promotes the Development of <i>CCSS ELA</i> in the Secondary Science Classroom
Friday, April 4	2:00–3:00 PM	156C, BCEC	Project Based Learning: A Gathering of Science Educators and It's About Time
Friday, April 4	3:30–4:30 PM	156C, BCEC	Active Physics: A Project-based Program Capturing the Essence of the <i>NGSS</i> and STEM

KidWind Project (Booth #1615)

Friday, April 4	10:00–11:30 AM	151A, BCEC	Solar Hack Lab
Friday, April 4	12 Noon–1:30 PM	151A, BCEC	Solar Fountain
Friday, April 4	2:00–3:30 PM	151A, BCEC	MacGyver Windmills
Friday, April 4	4:00–5:30 PM	151A, BCEC	The Grid
Saturday, April 5	8:00–9:30 AM	151A, BCEC	Wind Sail Cars
Saturday, April 5	10:00–11:30 AM	151A, BCEC	Wind-energized Classroom
Saturday, April 5	12 Noon–1:30 PM	151A, BCEC	Offshore Wind
Saturday, April 5	4:00–5:30 PM	151A, BCEC	Solar Fountain

K'NEX Education (Booth #1730)

Thursday, April 3	8:00–9:30 AM	109A, BCEC	Forces, Energy, and Motion
Thursday, April 3	10:00–11:30 AM	109A, BCEC	Exploring Machines
Thursday, April 3	12 Noon–1:30 PM	109A, BCEC	Renewable Energy
Thursday, April 3	2:00–3:30 PM	109A, BCEC	Introduction to Simple Machines
Thursday, April 3	4:00–5:30 PM	109A, BCEC	DNA Replication and Transcription

LAB-AIDS, Inc. (Booth #1245)

Thursday, April 3	8:00–9:30 AM	104C, BCEC	Investigating Chemical Batteries
Thursday, April 3	10:00–11:30 AM	104C, BCEC	Explore <i>NGSS</i> Science and Engineering Practices and Problem Solving Through Racing

LAB-AIDS, Inc., cont.

Thursday, April 3	12 Noon–1:30 PM	104C, BCEC	Color, Spectrophotometry, and Teaching the Structure of the Atom
Thursday, April 3	2:00–3:30 PM	104C, BCEC	Explore NGSS Science and Engineering Practices and Problem Solving Through Racing
Thursday, April 3	4:00–5:30 PM	104C, BCEC	Distillation: Simple and Fascinating Experiments in the Chemistry of Aromas and Smells
Friday, April 4	8:00–9:30 AM	104C, BCEC	Biomes and Invasive Species
Friday, April 4	10:00–11:30 AM	104C, BCEC	Using Climate Proxies to Learn about Earth’s Climate History
Friday, April 4	12 Noon–1:30 PM	104C, BCEC	Hot Bulbs: Investigating Energy Efficiency
Friday, April 4	2:00–3:30 PM	104C, BCEC	Gene Expression and Cellular Differentiation
Friday, April 4	4:00–5:30 PM	104C, BCEC	Comparing Earth to Other Worlds
Saturday, April 5	8:00–9:30 AM	104C, BCEC	Fast and Furious: Measuring Speed
Saturday, April 5	10:00–11:30 AM	104C, BCEC	Investigating Gas Exchange
Saturday, April 5	12 Noon–1:30 PM	104C, BCEC	Designing Coastal Breakwaters

LaMotte Co. (Booth #526)

Thursday, April 3	2:00–3:30 PM	107B, BCEC	Stream Ecology: Slimy Leaves for Clean Streams
Thursday, April 3	4:00–5:30 PM	107B, BCEC	Take a Swipe at Microbes!
Friday, April 4	12 Noon–1:30 PM	107B, BCEC	Stream Ecology: Slimy Leaves for Clean Streams
Friday, April 4	2:00–3:30 PM	107B, BCEC	Take a Swipe at Microbes!
Saturday, April 5	8:00–9:30 AM	107B, BCEC	AP Environmental Water Quality Assessment Curriculum

LEGO Education (Booth #644)

Thursday, April 3	8:00–9:30 AM	156B, BCEC	MINDSTORMS® EV3 Robotics in the Middle School Classroom: Getting Started
Thursday, April 3	10:00–11:30 AM	156B, BCEC	MINDSTORMS® EV3 Robotics in the Middle School Classroom: Getting Started
Thursday, April 3	12 Noon–1:30 PM	156B, BCEC	Machines and Mechanisms for ALL Ages
Thursday, April 3	2:00–3:30 PM	156B, BCEC	Bring the World of Digital Learning to Your Classroom with WeDo
Thursday, April 3	4:00–5:30 PM	156B, BCEC	MINDSTORMS® EV3 Robotics in the Middle School Classroom: Space Activity
Friday, April 4	8:00–9:30 AM	156B, BCEC	MINDSTORMS® EV3 Robotics in the Middle School Classroom: Getting Started
Friday, April 4	10:00–11:30 AM	156B, BCEC	MINDSTORMS® EV3 Robotics in the Middle School Classroom: Getting Started
Friday, April 4	12 Noon–1:30 PM	156B, BCEC	Machines and Mechanisms for ALL Ages
Friday, April 4	2:00–3:30 PM	156B, BCEC	Bring the World of Digital Learning to Your Classroom with WeDo
Friday, April 4	4:00–5:30 PM	156B, BCEC	MINDSTORMS® EV3 Robotics in the Middle School Classroom: Space Activity
Saturday, April 5	8:00–9:30 AM	156B, BCEC	MINDSTORMS® EV3 Robotics in the Middle School Classroom: Getting Started
Saturday, April 5	10:00–11:30 AM	156B, BCEC	MINDSTORMS® EV3 Robotics in the Middle School Classroom: Getting Started
Saturday, April 5	12 Noon–1:30 PM	156B, BCEC	Machines and Mechanisms for ALL Ages
Saturday, April 5	2:00–3:30 PM	156B, BCEC	Bring the World of Digital Learning to Your Classroom with WeDo
Saturday, April 5	4:00–5:30 PM	156B, BCEC	MINDSTORMS® EV3 Robotics in the Middle School Classroom: Space Activity

Mass Audubon (Booth #418)

Friday, April 4	12 Noon–1:30 PM	108, BCEC	Taking Science Practices Outside
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Nano-Link: Center for Nanotechnology Education (Booth #507)

Friday, April 4	4:00–5:30 PM	108, BCEC	Nanotechnology: Hands-On Activities for All Disciplines
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National Geographic Education (Booth #429)

Thursday, April 3	4:00–5:30 PM	107C, BCEC	Participate in National Geographic's Engineering Exploration Challenge
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National Geographic Learning (Booth #328)

Friday, April 4	10:00–11:30 AM	108, BCEC	A Revolutionary Way to Address All Your Standards with National Geographic
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NewPath Learning (Booth #409)

Friday, April 4	10:00–11:30 AM	153C, BCEC	Integrating Online Learning into the Science Classroom
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NOAA Office of Education (Booth #614)

Saturday, April 5	8:00–9:00 AM	156C, BCEC	Climate Series I: Global and National Efforts to Characterize Our Changing Climate
Saturday, April 5	9:00–11:00 AM	156C, BCEC	Climate Series II: Antarctic Team Showcases Ice Cores
Saturday, April 5	11:00 AM–12 Noon	156C, BCEC	Climate Series III: U.S. Forest Service Climate Change Education Resources
Saturday, April 5	12 Noon–1:00 PM	156C, BCEC	Climate Series IV: Lunch with Climate Scientists and Educators—Bring Your Own Lunch!
Saturday, April 5	1:00–2:00 PM	156C, BCEC	Climate Series V: ClimateChangeLIVE! Bringing Climate Change into Your Classroom!
Saturday, April 5	2:00–3:30 PM	156C, BCEC	Climate Series VI: NOAA Climate Stewards—Education, Collaboration, and Action!
Saturday, April 5	3:30–5:00 PM	156C, BCEC	Climate Series VII: NOAA Climate Stewards: What Works, What Doesn't, What's the Difference

Northrop Grumman

Saturday, April 5	8:00–9:30 AM	106, BCEC	Experiences from a Professional Development Opportunity in Costa Rica
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PASCO scientific (Booth #151)

Thursday, April 3	8:00–9:30 AM	104A, BCEC	Explore STEM Integration with PASCO Probeware—Free Sensor Set for Five Attendees!
Thursday, April 3	10:00–11:30 AM	104A, BCEC	Advancing NGSS Practices with Probeware—Free Sensor Set for Five Attendees!
Thursday, April 3	12 Noon–1:30 PM	104A, BCEC	SPARKscience: Sensor-based Science for K–8—Free Sensor Set for Five Attendees!
Thursday, April 3	2:00–3:30 PM	104A, BCEC	SPARKvue: Sensor-based Science with Data Sharing for Your iPad—Free Sensor Set for Five Attendees!
Thursday, April 3	4:00–5:30 PM	104A, BCEC	SPARKscience: Sensor-based Science for High School—Free Sensor Set for Five Attendees!
Friday, April 4	8:00–9:30 AM	104A, BCEC	Explore STEM Integration with PASCO Probeware—Free Sensor Set for Five Attendees!
Friday, April 4	10:00–11:30 AM	104A, BCEC	Advancing NGSS: Practices with Probeware—Free Sensor Set for Five Attendees!
Friday, April 4	12 Noon–1:30 PM	104A, BCEC	SPARKscience: Sensor-based Science for K–8—Free Sensor Set for Five Attendees!
Friday, April 4	2:00–3:30 PM	104A, BCEC	SPARKvue: Sensor-based Science for your iPad—Free Sensor Set for Five Attendees!

PASCO scientific, cont.

Friday, April 4	4:00–5:30 PM	104A, BCEC	SPARKscience: Sensor-based Science for High School Free Sensor Set for Five Attendees!
Friday, April 4	5:00–7:00 PM	210 A/B, BCEC	PASCO's 12th Annual Just Physics Evening Event

PBS LearningMedia (Booth #422)

Saturday, April 5	8:00–9:30 AM	108, BCEC	PBS LearningMedia: Science Resource Across the Grade Bands
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Pearson (Booth #445)

Thursday, April 3	8:00–9:30 AM	105, BCEC	Ecology and Evolution of Infectious Disease: How Dangerous Pathogens Emerge, Spread, and Evade Our Defenses
Thursday, April 3	10:00–11:30 AM	105, BCEC	The Next Generation of Science Virtual Labs That Support STEM and NGSS
Thursday, April 3	12 Noon–1:30 PM	105, BCEC	<i>Conceptual Physics</i> and <i>Conceptual Physical Science</i>
Thursday, April 3	2:00–3:30 PM	105, BCEC	Economical, Efficient, and Effective STEM Inquiry in Chemistry
Thursday, April 3	4:00–5:30 PM	105, BCEC	Teaching Evolution in a Climate of Controversy—Even with NGSS, the Battles Continue
Friday, April 4	8:00–9:30 AM	105, BCEC	College Readiness in Science: What's Ideal—and What's Real?
Friday, April 4	10:00–11:30 AM	105, BCEC	The <i>Next Generation Science Standards</i> : What They Mean for Earth and Space Science
Friday, April 4	12 Noon–1:30 PM	105, BCEC	The Best Test Prep Book Ever for AP Chemistry
Friday, April 4	2:00–3:30 PM	105, BCEC	New Tools, New Insight, and New Ways of Understanding Science with Miller and Levine <i>Biology</i>
Friday, April 4	4:00–5:30 PM	105, BCEC	Using Problem-Based Learning to Up Your NGSS Game

Perimeter Institute (Booth #358)

Thursday, April 3	12 Noon–1:30 PM	109B, BCEC	Perimeter Institute: Classroom Activities for Dark Matter
Thursday, April 3	2:00–3:30 PM	109B, BCEC	Perimeter Institute: Hands-On Wave-Particle Duality
Friday, April 4	10:00–11:30 AM	109B, BCEC	Perimeter Institute: Beyond the Atom: Remodeling Particle Physics
Friday, April 4	12 Noon–1:30 PM	109B, BCEC	Perimeter Institute: Curved Spacetime in the Classroom and GPS
Saturday, April 5	10:00–11:30 AM	109B, BCEC	Perimeter Institute: BrainSTEM Career Moves
Saturday, April 5	12 Noon–1:30 PM	109B, BCEC	Perimeter Institute Physics Teacher Network

Project Lead The Way (Booth #1122)

Friday, April 4	8:00–9:30 AM	104B, BCEC	Transform Your Classroom and Integrate Engineering Concepts with PLTW's K–12 STEM Programs
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Robotis, Inc. (Booth #1342)

Saturday, April 5	12 Noon–1:30 PM	105, BCEC	STEM Education Using Robotics ROBOTIS Kits: Project-based Building and Curriculum
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Royal Society of Chemistry (Booth #1232)

Saturday, April 5	10:00–11:30 AM	107B, BCEC	Learn Chemistry: Assessment and Teaching Tools from the Royal Society of Chemistry
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SAE International (Booth #609)

Saturday, April 5	10:00–11:30 AM	104A, BCEC	A World In Motion Primary Literacy-based STEM Workshop
Saturday, April 5	12 Noon–1:30 PM	104A, BCEC	A World In Motion Elementary STEM Workshop
Saturday, April 5	2:00–3:30 PM	104A, BCEC	A World In Motion Middle School STEM Workshop

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Sangari Active Science (Booth #351)

Thursday, April 3	2:00–3:30 PM	107C, BCEC	Do Your Students Like to Argue? Meet the NGSS and CCSS Using Argumentation
Friday, April 4	8:00–9:30 AM	107C, BCEC	Applying <i>Common Core State Standards, ELA</i> Through Active Science Instruction

Scholastic, Inc. (Booth #305)

Saturday, April 5	10:00–11:30 AM	108, BCEC	Connecting the <i>Next Generation Science Standards</i> with the <i>Common Core State Standards</i>
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Science First®/STARLAB® (Booths #1456/#1457)

Friday, April 4	2:00–2:30 PM	Booth #1457, Exhibit Hall	A Change of Seasons
Saturday, April 5	1:00–1:30 PM	Booth #1457, Exhibit Hall	Shaping Earth

Scientific Minds, LLC (Booth #1443)

Friday, April 4	8:00–9:30 AM	153C, BCEC	Inspire Scientific Minds with Technology and Manipulatives
Friday, April 4	2:00–3:30 PM	153C, BCEC	Inspire Scientific Minds with Technology and Manipulatives

The Shape of Life (Booth #827)

Friday, April 4	4:00–5:30 PM	153C, BCEC	The Evolution of the Animal Kingdom on Planet Earth
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Siemens We Can Change the World Challenge (Booth #922)

Thursday, April 3	2:00–3:30 PM	154, BCEC	Top FREE STEM Resources for Your Classroom
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Simulation Curriculum Corp. (Booth #1451)

Thursday, April 3	8:00–9:30 AM	106, BCEC	Comets: Visitors from the Past
Thursday, April 3	10:00–11:30 AM	106, BCEC	Stellar Evolution Made Easy
Thursday, April 3	12 Noon–1:30 PM	106, BCEC	Plate Tectonics: Continents on the Move
Friday, April 4	8:00–9:30 AM	106, BCEC	Plate Tectonics: Continents on the Move
Friday, April 4	10:00–11:30 AM	106, BCEC	Hurricanes and Typhoons: Nature on the Rampage
Saturday, April 5	10:00–11:30 AM	106, BCEC	Hurricanes and Typhoons: Nature on the Rampage

Society for Neuroscience (Booth #1229)

Friday, April 4	8:00–9:30 AM	107B, BCEC	Neuroscience as a STEM Subject
Friday, April 4	2:00–3:30 PM	109B, BCEC	New Technologies: What They can Teach Us About Childhood Brain Disorders

Solar One (Booth #803)

Thursday, April 3	4:00–5:30 PM	104B, BCEC	Solar One CleanTech
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SparkFun Electronics (Booth #1029)

Thursday, April 3	2:00–3:30 PM	106, BCEC	MakerScience and Arduino
Thursday, April 3	4:00–5:30 PM	106, BCEC	MakerScience and Arduino
Friday, April 4	8:00–9:30 AM	151A, BCEC	SparkFun: “Scratch”ing the Surface of Programming
Friday, April 4	12 Noon–1:30 PM	106, BCEC	Simple Programming Tools to Enhance Student Engagement
Friday, April 4	2:00–3:30 PM	106, BCEC	Simple Programming Tools to Enhance Student Engagement
Friday, April 4	4:00–5:30 PM	106, BCEC	Data Collection with High-Altitude Balloons
Saturday, April 5	2:00–3:30 PM	151A, BCEC	SparkFun: Scratch–ing the Surface of Programming

STEM Certificate Program (Booth #1009)

Friday, April 4	12 Noon–1:30 PM	153C, BCEC	STEM Certificate Program
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Ten80 Foundation (Booth #836)

Saturday, April 5	10:00–11:30 AM	107A, BCEC	RhombosTEAM: Practice the Art of STEM in K–6 Classrooms
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Texas Christian University Idea Factory (Booth #504)

Saturday, April 5	10:00–11:30 AM	157B, BCEC	Plate Tectonics Made Fun
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Texas Instruments (Booth #221)

Friday, April 4	12 Noon–1:30 PM	104B, BCEC	STEM Behind Hollywood—Adventure, Drama, and Mystery in Your Classroom
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Tutor.com (Booth #302)

Saturday, April 5	8:00–9:30 AM	104B, BCEC	Teach Science in Your PJs! Earn Money Tutoring Online
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U.S. Dept. of Energy, Office of Nuclear Energy (Booth #1357)

Thursday, April 3	10:00–11:30 AM	108, BCEC	The Harnessed Atom—New Ideas, Tools, and Resources: Nuclear Science and Energy
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Vernier Software & Technology (Booth #129)

Thursday, April 3	8:00–9:30 AM	153A, BCEC	Physics with Vernier
Thursday, April 3	8:00–9:30 AM	153B, BCEC	Inquiry-based Biology with Vernier
Thursday, April 3	10:00–11:30 AM	153B, BCEC	iPad and Wireless Sensors with Vernier
Thursday, April 3	10:00–11:30 AM	153A, BCEC	Chemistry with Vernier
Thursday, April 3	12 Noon–1:30 PM	153B, BCEC	Wireless Sensor Exploration with Vernier
Thursday, April 3	12 Noon–1:30 PM	153A, BCEC	Biology with Vernier
Thursday, April 3	2:00–3:30 PM	153B, BCEC	iPad and Wireless Sensors with Vernier
Thursday, April 3	2:00–3:30 PM	153A, BCEC	Investigating Renewable Energy with KidWind and Vernier
Friday, April 4	8:00–9:30 AM	153A, BCEC	K–8 Science with Vernier
Friday, April 4	8:00–9:30 AM	153B, BCEC	Water Quality with Vernier
Friday, April 4	10:00–11:30 AM	153B, BCEC	Environmental and Earth Science with Vernier
Friday, April 4	10:00–11:30 AM	153A, BCEC	Advanced Physics with Vernier
Friday, April 4	12 Noon–1:30 PM	153B, BCEC	Chromebook, Android, and BYOD with Vernier
Friday, April 4	12 Noon–1:30 PM	153A, BCEC	Biology with Vernier
Friday, April 4	2:00–3:30 PM	153B, BCEC	iPad and Wireless Sensors with Vernier
Friday, April 4	2:00–3:30 PM	153A, BCEC	Chemistry with Vernier
Saturday, April 5	8:00–9:30 AM	153A, BCEC	Chemistry with Vernier
Saturday, April 5	8:00–9:30 AM	153B, BCEC	iPad and Wireless Sensors with Vernier
Saturday, April 5	10:00–11:30 AM	153B, BCEC	Video Physics with Vernier
Saturday, April 5	10:00–11:30 AM	153A, BCEC	Physiology/PLTW with Vernier
Saturday, April 5	12 Noon–1:30 PM	153B, BCEC	Inquiry-based Chemistry with Vernier
Saturday, April 5	12 Noon–1:30 PM	153A, BCEC	Physics with Vernier
Saturday, April 5	2:00–3:30 PM	153B, BCEC	Wireless Sensor Exploration with Vernier
Saturday, April 5	2:00–3:30 PM	153A, BCEC	Engineering with Vernier Using LEGO, Arduino, and LabVIEW

Ward's Science (Booth #632)

Thursday, April 3	8:00–9:30 AM	156A, BCEC	Iron Teacher: NGSS Edition
Thursday, April 3	10:00–11:30 AM	156A, BCEC	Building Readiness in Earth Science and the NGSS
Thursday, April 3	12 Noon–1:30 PM	156A, BCEC	Grant Writing: Designing for Dollars
Thursday, April 3	2:00–3:30 PM	156A, BCEC	STEM Engineering for Middle School and High School with TeacherGeek Rubber Band Racer
Thursday, April 3	4:00–5:30 PM	156A, BCEC	Animal Study and the NGSS
Friday, April 4	8:00–9:30 AM	156A, BCEC	Fun with Ward's Forensics and the NGSS
Friday, April 4	10:00–11:30 AM	156A, BCEC	Building Readiness in Physical Science and the NGSS

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Ward's Science, cont.

Friday, April 4	12 Noon–1:30 PM	156A, BCEC	STEM Engineering for Middle School and High School with TeacherGeek Wind Lift
Friday, April 4	2:00–3:30 PM	156A, BCEC	Life Science and the NGSS
Friday, April 4	4:00–5:30 PM	156A, BCEC	Ward's Chemistry In-the-Bag Activities and the NGSS
Saturday, April 5	8:00–9:30 AM	156A, BCEC	Biology Success Stations
Saturday, April 5	10:00–11:30 AM	156A, BCEC	Biotechnology Basics
Saturday, April 5	12 Noon–1:30 PM	156A, BCEC	Coaching Science Olympiad with Confidence
Saturday, April 5	2:00–3:30 PM	156A, BCEC	Connecting AP Biology to New Science Practices
Saturday, April 5	4:00–5:30 PM	156A, BCEC	Connecting AP Chemistry to New Science Practices

Wavefunction, Inc. (Booth #1344)

Thursday, April 3	8:00–9:30 AM	109B, BCEC	Molecular-Level Visualization and Simulation: Getting Ready for the <i>Next Generation Science Standards</i>
Thursday, April 3	10:00–11:30 AM	109B, BCEC	Molecular Modeling and the Revised AP Chemistry Curriculum: Challenges and Opportunities
Friday, April 4	8:00–9:30 AM	109B, BCEC	Exploring the Molecular World: Scientifically Accurate Visualization and Simulation Tools

Wildlife Acoustics, Inc. (Booth #425)

Thursday, April 3	4:00–5:30 PM	108, BCEC	Bats, iPads, and Citizen Science in the Classroom
Friday, April 4	8:00–9:30 AM	108, BCEC	Bats, iPads, and Citizen Science in the Classroom

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