

Exhibitors

NSTA National Conference on Science Education

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LOS ANGELES
March 30–April 2 2017

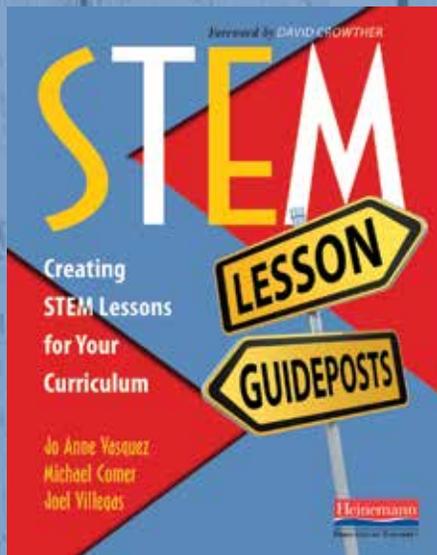
VOLUME 4



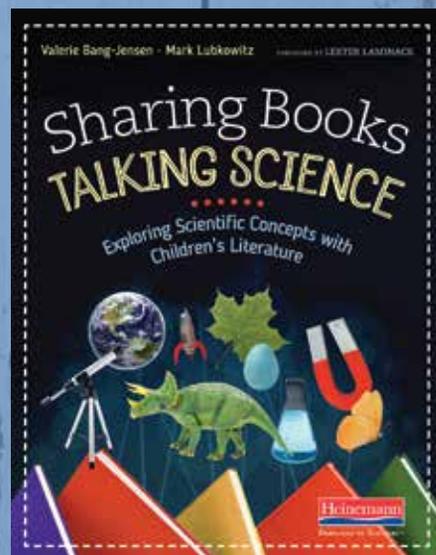
#NSTA17

NSTA National
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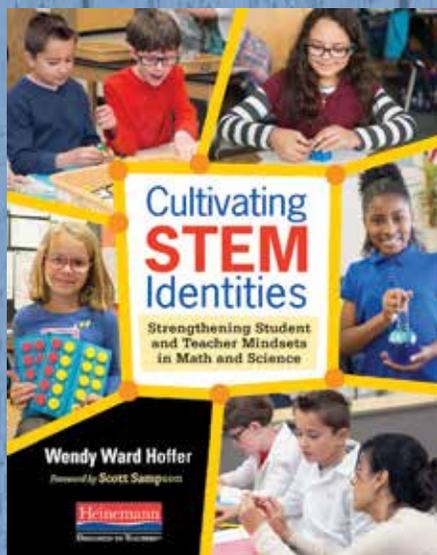
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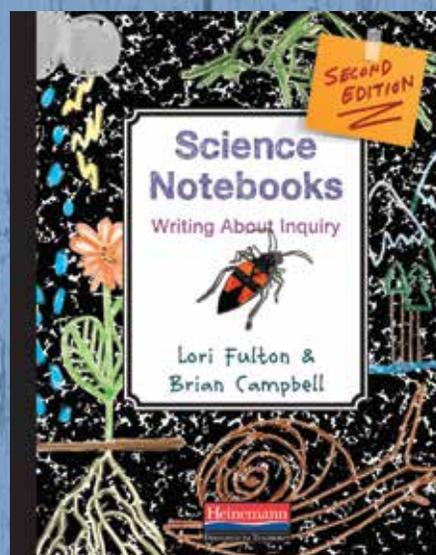
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NATIONAL CONFERENCE ON SCIENCE EDUCATION LOS ANGELES March 30–April 2 2017

NSTA 65th National Conference
on Science Education
Sun, Surf & Science
Los Angeles, California • March 30–April 2, 2017

Volume 4 Exhibitors

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The environment is important to science educators. These programs are recyclable and were printed on recycled paper.



The Air & Space Education Pavilion

NSTA 2017 National Conference on Science Education
introduces **The Air & Space Education Pavilion!**

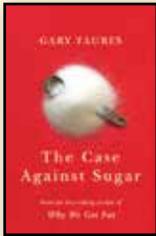
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- **Cosmosphere International SciEd Center & Space Museum**
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- **Elbit Systems of America**
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Booth #1364
- **National Coalition for Aviation & Space Education (NCASE)**
Booth #1361
- **Redbird Flight Simulations, Inc.**
Booth #1363
- **Team America Rocketry Challenge**
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- **Unmanned Safety Institute (USI)**
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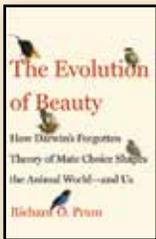


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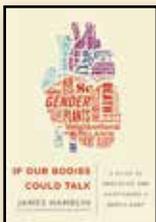


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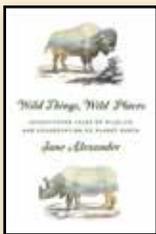
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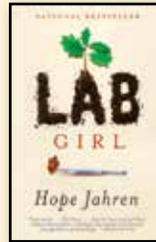


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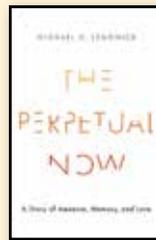


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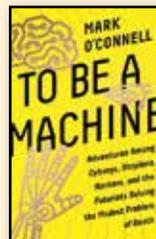


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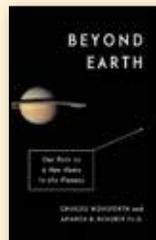
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—courtesy of Mike Weiss

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The AOPA High School Aviation Initiative is part of AOPA's You Can Fly program, which was created to bring more people of all ages into aviation. By educating high school students about aviation career opportunities, You Can Fly is helping young people get involved with aviation.

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G, PH, T
9-12
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#1251

PD
K-12

NSTA Teacher Awards Gala



Friday, March 31, 6:00–8:45 PM
Gold Ballroom Salon 2/3, JW Marriott at L.A. LIVE
Cost: \$80

Enjoy a fabulous evening celebrating with this year's teacher award recipients! ALL of the teacher awards will be presented in one grand evening. Join your colleagues in recognition of this year's winners.

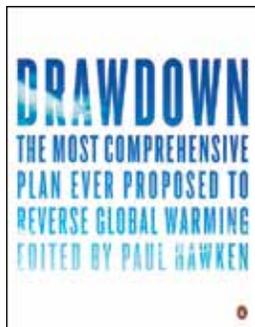
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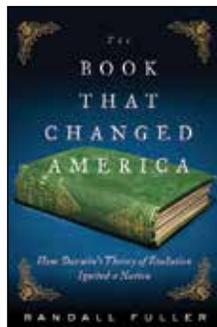
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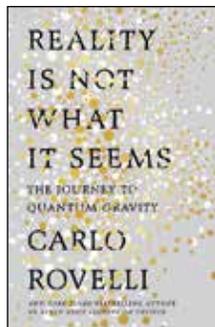
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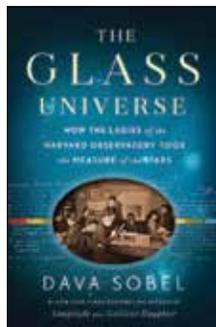
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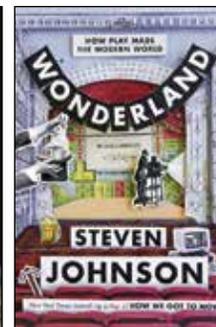
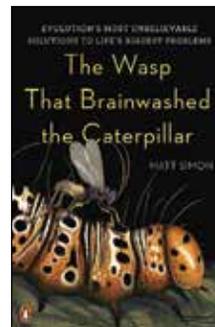


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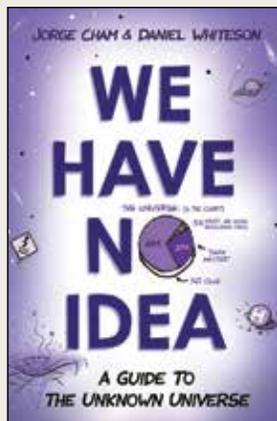
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600 Maryland Ave. SW PreK–12
Washington, DC 20024
Phone: 800-443-8456
E-mail: educationdirector@fb.org
Website: www.agfoundation.org

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 Alexandria, VA 22314
 Phone: 703-302-1841
 E-mail: pierson@amstat.org
 Websites: www.amstat.org; thisisstatistics.org

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ANDY WEIR

Author of *The Martian*

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Los Angeles Convention Center, West Hall B

Author signing to follow

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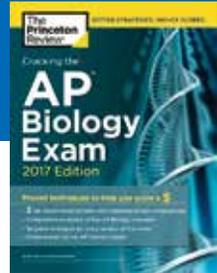
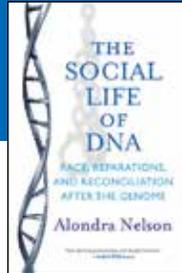
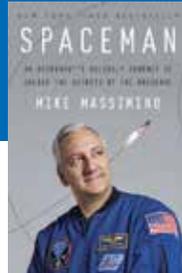
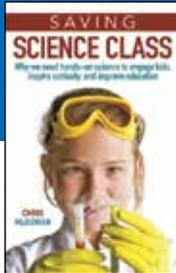
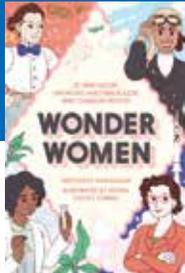
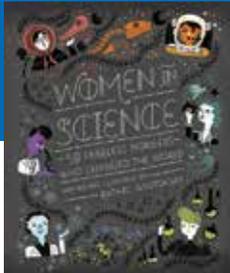
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—courtesy of Mike Weiss

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 Phone: +44 1403 782387
 E-mail: email@molymod.com
 Website: www.molymod.com

Spiring Enterprises Limited is the inventor and exclusive manufacturer of Molymod® Molecular Models—a quality dual scale system of molecular and atomic models—and the advanced miniDNA™—an abstract system for modeling DNA (replication), RNA (transcription/translation), and protein synthesis. Molymod® products range from sets, kits, and spare parts, suitable for chemistry, biology, and general science courses at school, college, or university.

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 Website: www.scienceteacher.org

The National Teachers Enhancement Network (NTEN) is a program of Montana State University. We deliver online graduate courses designed to help teachers improve their understanding of science content and enhance their teaching skills. You can take courses as part of a graduate certificate, work toward a master's degree, or simply explore classes for professional development.

MSOE Center for BioMolecular Modeling #1037

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 Website: www.nasa.gov

The National Aeronautics and Space Administration’s (NASA) goal at NSTA is to enhance educator awareness and understanding of NASA’s missions and education programs. Please visit NASA Booth #1658 to participate in several STEM activities, demonstrations, and pick up free teaching materials for educators and students of all grade levels. www.nasa.gov

NASA STEM Educator Professional Development Collaborative #1765 PD
 1555 University Blvd. K–12, College
 Round Rock, TX 78665
 Phone: 512-716-4532
 E-mail: kf19@txstate.edu
 Website: www.txstate-epdc.net

The NASA STEM Educator Professional Development Collaborative is a project led in collaboration with Texas State University. We build upon the best of the existing NASA professional development offerings and to work closely with NASA to pilot and subsequently implement other innovative, high-impact approaches for formal and informal educators.

Nasco #1759
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Friday, March 31, 2017

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- Hands-on activities
- Preview science trade books
- Learn about award and grant programs
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Organizations participating in the Elementary Extravaganza include the Association of Presidential Awardees in Science Teaching, the Council for Elementary Science International, the NSTA Committee on Preschool–Elementary Science Teaching, *Science & Children* authors and reviewers, and the Society of Elementary Presidential Awardees.



Exhibitors

The National Academies of Engineering and Medicine #630
All
500 5th St. NW
Washington, DC 20001
Phone: 202-334-2000
E-mail: worldwidewebfeedback@nas.edu
Website: www.nationalacademies.org

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National and California Foundation for Agriculture in the Classroom #2063
G
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Phone: 916-561-5625
E-mail: judy@learnaboutag.org
Website: www.learnaboutag.org

Agriculture in the Classroom programs seek to improve agricultural literacy by applying authentic, agricultural-based content as the context to teach core curriculum concepts in all subject areas. Free curriculum includes lesson plans, fact sheets, and other easy-to-use STEM resources for grades K–12.

National Assessment of Educational Progress #2331
B, C, EA, G
1030 15th St. NW, Suite 600E
Washington, DC 20005
Phone: 202-842-3600
E-mail: dmaiah@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 in various subject areas.

National Center for Science Education #1027
B, EA, EN, PD
1904 Franklin St., Suite 600
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Phone: 510-601-7203
E-mail: luhn@ncse.com
Website: www.ncse.com

The National Center for Science Education (NCSE) defends the teaching of evolution and climate science in the public schools. NCSE provides information, resources, and advice to schools, teachers, parents, scientists, concerned citizens, and the press at local, state, and national levels.

National Coalition for Aviation & Space Education #1361
EA, EN, G, PH, PD, T
5702 Gulfstream Rd.
Richmond, VA 23250-2422
Phone: 773-456-7851
E-mail: captjudy@captainjudy.com
Website: www.aviationeducation.org

The National Coalition for Aviation and Space Education (NCASE) is here for you! We offer the *NCASE GUIDE*, the most comprehensive resource from over 50 members inspiring your students in all STEAM subjects and related careers. NCASE, a membership organization, was formed by national aerospace associations and agencies, including FAA and NASA. Free educator memberships: www.aviationeducation.org.

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Phone: 281-833-4512
E-mail: javier@acceleratelearning.com

The National Institute for STEM Education (NISE) certifies teachers, campuses, and districts in STEM teaching using a competency-based, academic coach-led online learning platform in which educators produce a portfolio of work that demonstrates proficiency across 15 STEM teacher actions.

National Institute of Neurological Disorders and Stroke #1951
B
PO Box 5801
Bethesda, MD 20824
Phone: 800-352-9424 or 301-496-5751
E-mail: braininfo@ninds.nih.gov
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 the brain and neurological disorders. Members of the NINDS staff will be available to assist you. Printed material is available.



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National Nanotechnology Initiative #1460
B, C, EN, G, PH, T
c/o National Nano Coordination Office 6-12
4201 Wilson Blvd., Stafford II College
Room 405
Arlington, VA 22230
Phone: 703-292-8626
E-mail: mnewman@nnco.nano.gov
Website: www.nano.gov

The NNI is a U.S. government research and development (R&D) initiative involving the nanotechnology-related activities of 20 departments and independent agencies. With the support of the NNI, nanotechnology R&D is taking place in academic, government, and industry laboratories across the United States.

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Website: www.newpathlearning.com

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EA, EN, PD
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Room 1W514
Silver Spring, MD 20910
Phone: 301-713-1208
E-mail: education@noaa.gov
Website: www.noaa.gov/education

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—courtesy of Jacob Slaton

Noah Help Co.
 8212 Soft Winds Dr.
 Corona, CA 92883
 Phone: 786-620-6395
 E-mail: mary@noahhelp.org
 Website: noahhelp.org

The Texas State NASA STEM Educator Professional Development Collaborative is a national educator professional development system made up of and designed to serve STEM educators at all levels, including university preservice educators, preservice teachers, K-12 teachers, and informal educators.

#2151 North American Association for Environmental Education EN, EN, G, PD
 6-12 PreK-12, College
 2000 P St. NW
 Washington, DC 20036
 Phone: 310-279-7370
 E-mail: christiane@naaee.org
 Website: www.naaee.org

The North American Association for Environmental Education (NAAEE) believes in a sustainable future for all where environmental and social responsibility drive individual and institutional choices. We bring the brightest minds together to accelerate environmental literacy and civic engagement through the power of education. Learn more about how you can get involved and apply for over \$250,000 in funding for E-STEM.

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Website: www.nsta.org/milwaukee
- Stop by and find out about the exciting program for the NSTA 2017 Milwaukee Area Conference—November 9–11, 2017.
- NSTA 2017 New Orleans Area Conference** #953
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Website: www.nsta.org/neworleans
- Stop by and find out about the exciting program for the NSTA 2017 New Orleans Area Conference—November 30–December 2, 2017.
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Website: www.nsta.org/conferences
- Stop by and find out about the exciting program for the NSTA 2018 Atlanta National Conference—March 15–18, 2018.
- NSTA Teacher Awards** #853
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Website: www.nsta.org/awards
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www.shell.us/sustainability/supporting-education.html

Toshiba/NSTA ExploraVision

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Washington, DC 20024 K-12
Phone: 202-515-2714
E-mail: jmcquire@nutrientsforlife.org
Website: www.nutrientsforlife.org

Nutrients for Life Foundation provides free soil science curriculum and education resources to teachers. The Foundation educates about the importance of responsible fertilizer use in growing healthy crops, increasing food production, and feeding a growing population.

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Dana Point, CA 92629 PreK-12, College
Phone: 949-496-2274
E-mail: jwitt@ocean-institute.org
Website: www.ocean-institute.org

The Ocean Institute, founded in 1977 as the Orange County Marine Institute, is a community-based 501(c)(3) organization that educates students, teachers, and public visitors annually through over 50 science and history programs. Located on 2.4 acres in the Dana Point Harbor, at the edge of the Pacific Ocean and the end of a watershed, the site is ideal for hands-on learning about the ocean and nearby ecosystems.

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Exhibitors

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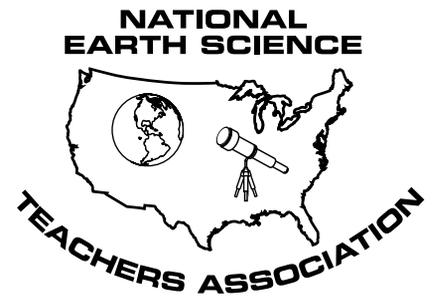
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Friday, March 31

2:00 – 3:00 p.m. **American Geophysical Union (AGU) Lecture: The Fault Lies Not in Our Stars. Speaker: Dr. Lucy Jones**



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Website: www.fws.gov

The U.S. Fish & Wildlife Service (FWS) works with others to accomplish our conservation mission. From online Conservation Connect career videos to school yard habitat guidelines to citizen science opportunities at some of our 700 field stations, we offer resources to connect your students to real-world challenges through authentic hands-on learning.

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Website: www.usgs.gov

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9:30 AM–10:30 AM

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Joseph Krajcik, Christopher Harris

11:00 AM–12 PM

How Do You Know If an Assessment Is Measuring Three-Dimensional Reasoning?

Jill Wertheim, Cathy Zozakiewicz

12:30 PM–1:30 PM

How Do We Grade Students in a Three-Dimensional Classroom?

James Clark, Samantha Johnson

2:00 PM–3:00 PM

Developing a Coherent Assessment System From the Classroom to the Year-End Exam

Stephen Pruitt

3:30 PM–4:30 PM

The Next Generation of Statewide Assessments

Michelle Center, Peter McLaren, Stephen Pruitt

SHARE-A-THON

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3D Molecular Designs (Booth #1035)

Thursday, Mar 30	8:00–9:30 AM	153B, Conv. Center	Life Is Complicated: Flow of Genetic Information to Genomic Engineering
Thursday, Mar 30	10:00–11:30 AM	153B, Conv. Center	The Ins and Outs of Crossing Cell Membranes
Thursday, Mar 30	12 Noon–1:30 PM	153B, Conv. Center	DNA with a Data Twist: Modeling DNA Structure/Replication and Bioinformatics
Friday, Mar 31	2:00–3:30 PM	153B, Conv. Center	Break It Down, Build It Up! Modeling Enzymes in Action

Activate Learning (Booth #916)

Friday, Mar 31	8:00–9:30 AM	150C, Conv. Center	Discourse Strategies for Three-Dimensional Learning in the K–2 Classroom
Friday, Mar 31	10:00–11:30 AM	150C, Conv. Center	Integrated Science Strategies that Make Three-Dimensional Learning Meaningful
Friday, Mar 31	12 Noon–1:30 PM	150C, Conv. Center	Structuring Discussion to Be Equitable and Rigorous
Friday, Mar 31	2:00–3:30 PM	150C, Conv. Center	Making Three-Dimensional Learning Meaningful for Students Using Science Storylines
Friday, Mar 31	4:00–5:30 PM	150C, Conv. Center	Gauging Students' Three-Dimensional Thinking Using ONPAR Formative Assessment Tools

AEOP (Booth #850)

Friday, Mar 31	8:00–9:00 AM	150 AB, Conv. Center	Gains in the Education of Mathematics and Science: What Can GEMS Do for You?
Friday, Mar 31	9:30–11:00 AM	150 AB, Conv. Center	AEOP RESET: Learning Through the Legacy Cycle

AEOP eCYBERMISSION (Booth #850)

Friday, Mar 31	11:30 AM–1:00 PM	150 AB, Conv. Center	Group Work: Using Student Collaboration in the Middle School Science Classroom
Friday, Mar 31	1:30–3:00 PM	150 AB, Conv. Center	What's the Problem? Integrating Engineering into the Science Classroom Without Bridges and Rockets

Albert Einstein Distinguished Educator Fellowship (Booth #1251)

Thursday, Mar 30	4:00–5:30 PM	305, Conv. Center	STEM Leaders in Action: Learn About the Einstein Fellowship (AEF) Program
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Amplify (Booth #1225)

Thursday, Mar 30	8:00–9:30 AM	409 AB, Conv. Center	Integrate Instruction and Assessment in Three Dimensions Using Learning Progressions
Thursday, Mar 30	10:00–11:30 AM	409 AB, Conv. Center	Floating Trains: Phenomena, 3D Instruction, and Amplify Science for Grades 2–5
Thursday, Mar 30	12 Noon–1:30 PM	409 AB, Conv. Center	Space Docking Failure: Phenomena, 3D Instruction, and Amplify Science for Grades 6–8
Friday, Mar 31	8:00–9:30 AM	409 AB, Conv. Center	The Power of Modeling in K–8 Classrooms
Friday, Mar 31	10:00–11:30 AM	409 AB, Conv. Center	Disappearing Jaguars and Sloths: Phenomena, 3D Instruction, and Amplify Science for Grades 2–5
Friday, Mar 31	12 Noon–1:30 PM	409 AB, Conv. Center	The Mystery of Poisonous Newts: Phenomena, 3D Instruction, and Amplify Science for Grades 6–8
Friday, Mar 31	2:00–3:30 PM	409 AB, Conv. Center	Puppet Theater Engineering: Phenomena, 3D Instruction, and Amplify Science for Grades K–1

ANATOMY IN CLAY® Learning System (Booth #2329)

Friday, Mar 31	2:00–3:30 PM	153C, Conv. Center	Hands-On Anatomy: Building Body Systems in Clay
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Animalearn (Booth #924)

Friday, Mar 31	10:00–11:30 AM	153C, Conv. Center	Leap Forward into a Frog-Friendly Science Class
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Arbor Scientific (Booth #1548)

Thursday, Mar 30	4:00–5:30 PM	408B, Conv. Center	Cool Tools for Light and Color
Friday, Mar 31	8:00–9:30 AM	408B, Conv. Center	Cool Tools for Electricity and Magnetism
Friday, Mar 31	10:00–11:30 AM	408B, Conv. Center	Cool Tools for Sound and Waves

Bedford, Freeman, & Worth High School Publishers (Booth #1850)

Thursday, Mar 30	4:00–5:30 PM	153B, Conv. Center	Living by Chemistry: Create a Table
Friday, Mar 31	10:00–11:30 AM	153B, Conv. Center	Living by Chemistry: What Shape Is that Smell?

Bio-Rad Laboratories, Inc. (Booth #1540)

Thursday, Mar 30	8:00–9:30 AM	406 AB, Conv. Center	Build a Box: Engineering Food Dye Electrophoresis for NGSS
Thursday, Mar 30	8:00–9:30 AM	404 AB, Conv. Center	Identify Patient Zero of a Zombie Apocalypse!
Thursday, Mar 30	10:00–11:30 AM	404 AB, Conv. Center	Investigate Photosynthesis and Cellular Respiration with Algae Beads
Thursday, Mar 30	10:00–11:30 AM	406 AB, Conv. Center	Enzymes: Technology Inspired by Nature
Thursday, Mar 30	2:00–3:30 PM	406 AB, Conv. Center	How to Use Pop Culture in Your Life Science Class
Thursday, Mar 30	2:00–3:30 PM	404 AB, Conv. Center	Effortlessly Integrate Inquiry with Glowing Bacteria
Thursday, Mar 30	4:00–5:30 PM	404 AB, Conv. Center	Take pGLO™ to the Next Level!
Thursday, Mar 30	4:00–5:30 PM	406 AB, Conv. Center	Become a GMO Investigator
Friday, Mar 31	8:00–9:30 AM	406 AB, Conv. Center	DNA Detectives: Who Killed Jose? (AP Big Ideas 3, 4)
Friday, Mar 31	8:00–9:30 AM	404 AB, Conv. Center	Conserving Panda Population: One Hormone Test Design at a Time!
Friday, Mar 31	10:00–11:30 AM	404 AB, Conv. Center	Upgrade Your Chemotaxis Lab! (Aligns with AP Biology Big Ideas 1–4)
Friday, Mar 31	10:00–11:30 AM	406 AB, Conv. Center	Communicating Science Through Lab Notebooking
Friday, Mar 31	2:00–3:30 PM	406 AB, Conv. Center	Lab Skills: The Escape Room!
Friday, Mar 31	2:00–3:30 PM	404 AB, Conv. Center	Project-Based Learning for High School: Sequencing Plant Species
Friday, Mar 31	4:00–5:30 PM	404 AB, Conv. Center	Get That Grant Money!
Friday, Mar 31	4:00–5:30 PM	406 AB, Conv. Center	Lab Skills: The Escape Room!
Saturday, Apr 1	8:00–9:30 AM	404 AB, Conv. Center	Contagion! Track the Spread of Dangerous Disease
Saturday, Apr 1	10:00–11:30 AM	404 AB, Conv. Center	Investigate Photosynthesis and Cellular Respiration with Algae Beads

BIOZONE International, Ltd. (Booth #1239)

Thursday, Mar 30	10:00–11:30 AM	408A, Conv. Center	Biology for NGSS: A New Approach for a New Program (Grades 9–12)
Friday, Mar 31	10:00–11:30 AM	503, Conv. Center	BIOZONE's AP Biology: New Editions of This Popular Resource
Saturday, Apr 1	10:00–11:30 AM	503, Conv. Center	BIOZONE's NGSS Series for High School

Carolina Biological Supply Co. (Booth #1325)

Thursday, Mar 30	8:00–9:30 AM	306 AB, Conv. Center	Hands-On Science with Classroom Critters
Thursday, Mar 30	8:00–9:30 AM	308 AB, Conv. Center	Keep Calm and Chemistry On: Successful Lab Activities for the New Chemistry Teacher
Thursday, Mar 30	8:00–9:30 AM	309, Conv. Center	Dissecting the NGSS
Thursday, Mar 30	10:00–11:30 AM	309, Conv. Center	Science + Engineering = New Elementary Program from the Smithsonian
Thursday, Mar 30	10:00–11:30 AM	306 AB, Conv. Center	Physiology in Action: Explore Feedback Mechanisms and Homeostasis
Thursday, Mar 30	10:00–11:30 AM	308 AB, Conv. Center	Engineer Physical Science Excitement with a Carolina STEM Challenge®
Thursday, Mar 30	12 Noon–1:30 PM	306 AB, Conv. Center	Carolina's Young Scientist™ Dissections with Carolina's Perfect Solution® Specimen

Carolina Biological Supply Co., cont.

Thursday, Mar 30	12 Noon–1:30 PM	308 AB, Conv. Center	They Come in Pairs: Addressing Student Misconceptions About Chromosomes
Thursday, Mar 30	12 Noon–1:30 PM	309, Conv. Center	NGSS: How Do We Know It When We See It?
Thursday, Mar 30	2:00–3:30 PM	309, Conv. Center	Bring Visual Science into K–5 Classrooms: It’s a Game Changer!
Thursday, Mar 30	2:00–3:30 PM	308 AB, Conv. Center	Strawberry Milkshakes: DNA and Lactose Intolerance
Thursday, Mar 30	2:00–3:30 PM	306 AB, Conv. Center	Introduction to Wisconsin Fast Plants®
Thursday, Mar 30	4:00–5:30 PM	308 AB, Conv. Center	Clean Up Your Mess! Air and Water Pollution Remediation
Thursday, Mar 30	4:00–5:30 PM	306 AB, Conv. Center	Autopsy: Forensic Dissection Featuring Carolina’s Perfect Solution® Pigs
Thursday, Mar 30	4:00–5:30 PM	309, Conv. Center	Shifting to the 5 Innovations: How Do We Transform Instruction?
Friday, Mar 31	8:00–9:30 AM	309, Conv. Center	NGSS: How Do We Know It When We See It?
Friday, Mar 31	8:00–9:30 AM	306 AB, Conv. Center	Shark Dissection: A Jawsome Experience!
Friday, Mar 31	8:00–9:30 AM	308 AB, Conv. Center	Arriving on the Scene: Collect and Analyze Evidence Like the Pros
Friday, Mar 31	10:00–11:30 AM	306 AB, Conv. Center	Introduction to Wisconsin Fast Plants®
Friday, Mar 31	10:00–11:30 AM	308 AB, Conv. Center	Genetics Brought to Life: Gene-ius Model Organisms
Friday, Mar 31	10:00–11:30 AM	309, Conv. Center	Shifting to the 5 Innovations: How Do We Transform Instruction?
Friday, Mar 31	12 Noon–1:30 PM	309, Conv. Center	Bring Visual Science into K–5 Classrooms: It’s a Game Changer!
Friday, Mar 31	12 Noon–1:30 PM	306 AB, Conv. Center	Comparative Vertebrate Anatomy with Carolina’s Perfect Solution® Specimens
Friday, Mar 31	12 Noon–1:30 PM	308 AB, Conv. Center	Keep Calm and Chemistry On: Successful Lab Activities for the New Chemistry Teacher
Friday, Mar 31	2:00–3:30 PM	308 AB, Conv. Center	Protein Necklace: Harnessing the Glow of Jellyfish
Friday, Mar 31	2:00–3:30 PM	306 AB, Conv. Center	Hands-On Science with Classroom Critters
Friday, Mar 31	2:00–3:30 PM	309, Conv. Center	Science + Engineering = New Elementary Program from the Smithsonian
Friday, Mar 31	4:00–5:30 PM	309, Conv. Center	Dissecting the NGSS
Friday, Mar 31	4:00–5:30 PM	306 AB, Conv. Center	Comparative Mammalian Organ Dissection with Carolina’s Perfect Solution® Specimens
Friday, Mar 31	4:00–5:30 PM	308 AB, Conv. Center	Hands-On Activities to Model Sampling, Habitat Degradation, and Animal Choice

Celestron (Booth #1950)

Friday, Mar 31	2:00–3:30 PM	410, Conv. Center	Different Isn’t Bad: Using Arthropods to Teach about Science, Society, and Being a Teen
Saturday, Apr 1	8:00–9:30 AM	410, Conv. Center	BUGDORK! Using Insects to Engage Students and Inspire Learning

The Cornell Lab of Ornithology (Booth #1855)

Friday, Mar 31	12 Noon–1:30 PM	410, Conv. Center	Beauty and the Beak: How STEM/3D Printing Rescued a Bald Eagle
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CPO Science/School Specialty Science (Booth #1925)

Thursday, Mar 30	8:00–9:30 AM	304 AB, Conv. Center	Engineering Design and NGSS: Learning About Friction Forces
Thursday, Mar 30	10:00–11:30 AM	304 AB, Conv. Center	CPO Science’s Link™ Learning Module: Cell Reproduction Using Crazy Chromosomes
Thursday, Mar 30	2:00–3:30 PM	304 AB, Conv. Center	CPO Science’s Link™ Learning Module: Chemistry and the Periodic Table
Thursday, Mar 30	4:00–5:30 PM	304 AB, Conv. Center	Wind Turbine: An NGSS Approach to Understanding Renewable Energy
Friday, Mar 31	8:00–9:30 AM	304 AB, Conv. Center	NGSS and the Energy Car: Collisions and Restraints

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CPO Science/School Specialty Science, cont.

Friday, Mar 31	10:00–11:30 AM	304 AB, Conv. Center	CPO Science's Link™ Learning Module Crazy Traits: Pedigrees and Sex-Linked Traits
Friday, Mar 31	12 Noon–1:30 PM	304 AB, Conv. Center	Wind Turbine: An NGSS Approach to Understanding Renewable Energy
Friday, Mar 31	2:00–3:30 PM	304 AB, Conv. Center	CPO Science's Link™ Learning Module: Chemistry and the Periodic Table

Delta Education/School Specialty Science (Booth #1925)

Thursday, Mar 30	8:00–9:30 AM	301 AB, Conv. Center	Make Sure Your Makerspace Has Options for All Students!
Thursday, Mar 30	10:00–11:30 AM	301 AB, Conv. Center	How to Argue in Science Class
Thursday, Mar 30	12 Noon–1:30 PM	301 AB, Conv. Center	PEASE in Our Time: Memory Lanes of the Brain and NGSS
Thursday, Mar 30	2:00–3:30 PM	301 AB, Conv. Center	Science and Engineering Practices Made Easy
Thursday, Mar 30	4:00–5:30 PM	301 AB, Conv. Center	Build Skills to Boost the Makerspace Experience for Young Scientists!

Delta Education/School Specialty Science–FOSS (Booth #1925)

Thursday, Mar 30	8:00–9:30 AM	303 AB, Conv. Center	Engage Students in FOSS Next Generation K–8
Thursday, Mar 30	10:00–11:30 AM	303 AB, Conv. Center	Ten Minutes to Improving Science Achievement
Thursday, Mar 30	12 Noon–1:30 PM	303 AB, Conv. Center	Model Elementary Science Implementation
Thursday, Mar 30	2:00–3:30 PM	303 AB, Conv. Center	Wave Properties and Information Transfer
Thursday, Mar 30	4:00–5:30 PM	303 AB, Conv. Center	Evolutionary Evidence in the Fossil Record
Friday, Mar 31	8:00–9:30 AM	303 AB, Conv. Center	What to Look For: Physical Science Learning Progressions
Friday, Mar 31	10:00–11:30 AM	303 AB, Conv. Center	What Does Argumentation Look Like in an Elementary Classroom?
Friday, Mar 31	12 Noon–1:30 PM	303 AB, Conv. Center	What Does Conceptual Modeling Look Like in Grades K–5 Classrooms?
Friday, Mar 31	2:00–3:30 PM	303 AB, Conv. Center	Developing Models for Sensory Receptors
Friday, Mar 31	4:00–5:30 PM	303 AB, Conv. Center	Identifying Energy Transfers in Motors and Generators

Dinah.com (Booth #2340)

Thursday, Mar 30	2:00–3:30 PM	408B, Conv. Center	FOLD-tastic Science Notebooks via Dinah Zike's Notebook Foldables
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Discovery Agents (Booth #2115)

Thursday, Mar 30	4:00–5:30 PM	408A, Conv. Center	Using Mobile Technology to Engage Students with STEM
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EarthEcho International (Booth #753)

Thursday, Mar 30	12 Noon–1:30 PM	512, Conv. Center	STEMExplore and EarthEcho Expeditions: Adventures in STEM Education
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Educational Innovations, Inc. (Booth #1118)

Friday, Mar 31	8:00–9:30 AM	408A, Conv. Center	What The Heck Happened?!
Friday, Mar 31	10:00–11:30 AM	408A, Conv. Center	Cool! Can We Do That Again?!
Friday, Mar 31	12 Noon–1:30 PM	408A, Conv. Center	Fantastical Chemistry Demos for All Classrooms
Friday, Mar 31	2:00–3:30 PM	408A, Conv. Center	Elementary Teacher Survival Kit
Friday, Mar 31	4:00–5:30 PM	408A, Conv. Center	Magnify Your Mind!...Science, Writing, Art, and The Private Eye®
Saturday, Apr 1	10:00–11:30 AM	408A, Conv. Center	3-2-1 Blast Off!

Edvotek, Inc. (Booth #931)

Thursday, Mar 30	8:00–9:00 AM	410, Conv. Center	Martian Genetics: An Electrophoresis Exploration
Thursday, Mar 30	9:30–10:30 AM	410, Conv. Center	Left at the Scene of the Crime: Introduction to Forensic Science

Edvotek, Inc., continued

Thursday, Mar 30	11:00 AM–12 Noon	410, Conv. Center	Exploring the Genetics of Taste: SNP Analysis of the PTC Gene Using PCR
Thursday, Mar 30	12:30–1:30 PM	410, Conv. Center	Outbreak! Zika Testing using the Enzyme Linked Immunosorbent Assay (ELISA)
Thursday, Mar 30	2:00–3:00 PM	410, Conv. Center	A Bright Idea: Using GFP to Teach STEM
Thursday, Mar 30	3:30–4:30 PM	410, Conv. Center	Environmental Toxicology Using Edvotek’s New EZ-elegans

FIRST® (Booth #2143)

Thursday, Mar 30	10:00–11:30 AM	305, Conv. Center	FIRST® Tech Challenge Proves You CAN Program a Robot
Friday, Mar 31	2:00–3:30 PM	305, Conv. Center	More than Robots...FIRST® Tech Challenge “Drives” STEM Learning Beyond the Classroom

Fisher Science Education (Booth #1041)

Friday, Mar 31	8:00–9:30 AM	501 AB, Conv. Center	The STEM Design Challenge
Friday, Mar 31	10:00–11:30 AM	501 AB, Conv. Center	Use Cheese-Making to Bring STEM into Your Classroom
Friday, Mar 31	2:00–3:30 PM	501 AB, Conv. Center	Guide to Piloting Your Own STEM Lab
Friday, Mar 31	4:00–5:30 PM	501 AB, Conv. Center	A Complete Guide to the 2017 Total Solar Eclipse

Flinn Scientific, Inc. (Booth #1825)

Thursday, Mar 30	8:00–9:30 AM	403A, Conv. Center	Flinn Scientific’s <i>Exploring Chemistry</i> ™: Connecting Content Through Experiments
Thursday, Mar 30	10:00–11:30 AM	403A, Conv. Center	Flinn Favorite Biology Lab Activities and Games
Thursday, Mar 30	12 Noon–1:30 PM	403A, Conv. Center	Year-Round Solutions for Success in AP Chemistry from Flinn Scientific
Thursday, Mar 30	2:00–3:30 PM	403A, Conv. Center	Teaching Forensics with Real Crime Scene Investigation Techniques from Flinn Scientific
Thursday, Mar 30	4:00–5:30 PM	403A, Conv. Center	Building or Renovating a Laboratory? Get Your Questions Answered
Friday, Mar 31	8:00–9:30 AM	403A, Conv. Center	Fantastic Physical Science Demonstrations from Flinn Scientific
Friday, Mar 31	10:00–11:30 AM	403A, Conv. Center	Flipping AP Biology with FlinnPREP™
Friday, Mar 31	10:00–11:30 AM	Petree C, Conv. Center	Morning of Chemistry: An Epic Adventure in Science
Friday, Mar 31	12 Noon–1:30 PM	403A, Conv. Center	New Inquiry Investigations for AP Physics 1 and 2 from Flinn Scientific
Friday, Mar 31	2:00–3:30 PM	403A, Conv. Center	Green Chemistry Experiments for General and AP Chemistry
Friday, Mar 31	4:00–5:30 PM	403A, Conv. Center	Enhance Your Science Course with POGIL™ Activities
Saturday, Apr 1	10:00–11:30 AM	403A, Conv. Center	Flinn Scientific’s STEM <i>Design Challenge</i> ™ Activities
Saturday, Apr 1	12 Noon–1:30 PM	403A, Conv. Center	Hands-On Integrated Science Activities for Middle School from Flinn Scientific

Flipgrid (Booth #2434)

Friday, Mar 31	8:00–9:30 AM	153A, Conv. Center	Empower Student Voice with Flipgrid
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Frey Scientific/School Specialty Science (Booth #1925)

Thursday, Mar 30	12 Noon–1:30 PM	304 AB, Conv. Center	Solving the Mystery of STEM Using Forensic Science
Friday, Mar 31	4:00–5:30 PM	304 AB, Conv. Center	Solving the Mystery of STEM Using Forensic Science

HHMI BioInteractive (Booth #1125)

Thursday, Mar 30	8:00–9:30 AM	403B, Conv. Center	Connecting Ecology Concepts from a Global Perspective
Thursday, Mar 30	10:00–11:30 AM	403B, Conv. Center	HHMI Is Phenomenal! Using BioInteractive to Create Phenomena-Based Lessons
Thursday, Mar 30	12 Noon–1:30 PM	403B, Conv. Center	HHMI BioInteractive Resources Exploring Human Skin Color and Polygenic Inheritance

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HHMI BioInteractive, cont.

Thursday, Mar 30	2:00–3:30 PM	403B, Conv. Center	Using BioInteractive Resources to Bring Math into the Biology Lesson
Thursday, Mar 30	4:00–5:30 PM	403B, Conv. Center	Ecological Restoration: From a Case Study Investigation to Local Action
Thursday, Mar 30	4:00–5:30 PM	409 AB, Conv. Center	Integrating Earth Systems Investigations and Action into Curriculum
Friday, Mar 31	8:00–9:30 AM	403B, Conv. Center	Measuring Species Diversity Using Wildlife Data from Africa’s Rift Valley
Friday, Mar 31	10:00–11:30 AM	403B, Conv. Center	New from BioInteractive: Explore Infectious Diseases and Viruses
Friday, Mar 31	12 Noon–1:30 PM	403B, Conv. Center	Telling Stories and Using Statistics to Understand Selection
Friday, Mar 31	2:00–3:30 PM	403B, Conv. Center	Extinctions: Understanding the Past, Informing the Present, Guiding the Future
Friday, Mar 31	4:00–5:30 PM	403B, Conv. Center	Saving Elephants: Using Molecular Tools to Solve Ecological Problems

Houghton Mifflin Harcourt (Booth #2124)

Thursday, Mar 30	8:00–9:30 AM	408B, Conv. Center	Next Generation Science Using Video-Based Projects
Thursday, Mar 30	10:00–11:30 AM	408B, Conv. Center	Awesome Activities for an NGSS Classroom
Thursday, Mar 30	12 Noon–1:30 PM	408B, Conv. Center	Common Misconceptions about Engineering in the NGSS
Friday, Mar 31	12 Noon–1:30 PM	408B, Conv. Center	Engineering for the NGSS Middle School Science Classroom
Friday, Mar 31	4:00–5:30 PM	408B, Conv. Center	Why Seasons Are Tough to Teach and What to Do About It
Saturday, Apr 1	8:00–9:30 AM	408B, Conv. Center	Engineering for the NGSS Upper Elementary Science Classroom
Saturday, Apr 1	10:00–11:30 AM	408B, Conv. Center	Modeling Structure and Function with Help from Our Feathered Friends
Saturday, Apr 1	12 Noon–1:30 PM	408B, Conv. Center	Awesome Activities for an NGSS Classroom (Bio and Earth Space)

Inq-ITS (Booth #2216)

Friday, Mar 31	12 Noon–1:30 PM	511C, Conv. Center	Engaging Next-Generation Labs You Can Conduct and Grade in Under an Hour
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Iridescent (Booth #2342)

Thursday, Mar 30	4:00–5:30 PM	153A, Conv. Center	How to Incorporate STEM Project-Based Learning in Your Classroom—Start Building!
Friday, Mar 31	10:00–11:30 AM	153A, Conv. Center	Technovation: App Inventor and Engaging Girls in Computer Science

It’s About Time (Booth #2235)

Thursday, Mar 30	8:00–9:00 AM	501 AB, Conv. Center	Active Chemistry and Active Physics: Project-Based Inquiry Science That Engages Students
Thursday, Mar 30	9:30–10:30 AM	501 AB, Conv. Center	Light Up STEM: Design a 50-Cent Microlight
Thursday, Mar 30	11:00 AM–12 Noon	501 AB, Conv. Center	Project-Based Learning + NGSS = Active Chemistry
Thursday, Mar 30	12:30–1:30 PM	501 AB, Conv. Center	Project-Based Inquiry Science: Blending Engineering Practices, Core Ideas, and Crosscutting Concepts in Middle School Classrooms
Thursday, Mar 30	2:00–3:00 PM	501 AB, Conv. Center	Project-Based Learning + NGSS = Active Physics

K’NEX Education (Booth #618)

Thursday, Mar 30	8:00–9:00 AM	510, Conv. Center	Machine Technology and Engineering with K’NEX Machines: Using STEM to Make Work Easier
Thursday, Mar 30	9:30–10:30 AM	510, Conv. Center	Bridges! Bridges! Bridges Structural Engineering at Its Best with K’NEX STEM Bridge Sets
Thursday, Mar 30	11:00 AM–12 Noon	510, Conv. Center	K’NEX DNA Structure, Replication, and Transcription: An Expertly Engineered Molecule in Living Things

K’NEX Education, cont.

Thursday, Mar 30	2:00–3:00 PM	510, Conv. Center	Explore Solar Energy STEM Concepts with K’NEX Models: Engineering for a Sustainable Future
Thursday, Mar 30	3:30–4:30 PM	510, Conv. Center	Forces, Energy, Motion, and Engineering with K’NEX Machines: Using STEM to Make Work Easier
Friday, Mar 31	8:00–9:00 AM	510, Conv. Center	K’NEX DNA Structure, Replication, and Transcription: An Expertly Engineered Molecule in Living Things
Friday, Mar 31	9:30–10:30 AM	510, Conv. Center	Forces, Energy, Motion, and Engineering with K’NEX Machines: Using STEM to Make Work Easier
Friday, Mar 31	11:00 AM–12 Noon	510, Conv. Center	Explore Solar Energy STEM Concepts with K’NEX Models: Engineering for a Sustainable Future
Friday, Mar 31	2:00–3:00 PM	510, Conv. Center	Machine Technology and Engineering with K’NEX Machines: Using STEM to Make Work Easier
Friday, Mar 31	3:30–4:30 PM	510, Conv. Center	Beginning Explorations in Planned and Creative Building Activities with Kid K’NEX

The Knowledge Factory, Inc. (Booth #2415)

Thursday, Mar 30	5:30–7:30 PM	Theatre (411) Conv. Center	An Evening of Science and Hip-Hop Presented by Master Scientist—Grand Hank
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Lab-Aids, Inc. (Booth #1126)

Thursday, Mar 30	10:00–11:30 AM	518, Conv. Center	Waves: Make an Abstract Concept Become Visible!
Thursday, Mar 30	12 Noon–1:30 PM	518, Conv. Center	Introducing the Lab-Master®
Thursday, Mar 30	2:00–3:30 PM	518, Conv. Center	Chemical Formula and Amino Acids
Thursday, Mar 30	4:00–5:30 PM	518, Conv. Center	Calling All Carbons
Friday, Mar 31	10:00–11:30 AM	518, Conv. Center	Reading River Sediments
Friday, Mar 31	12 Noon–1:30 PM	518, Conv. Center	Cutting Canyons
Friday, Mar 31	2:00–3:30 PM	518, Conv. Center	Cell Differentiation and Gene Expression
Friday, Mar 31	4:00–5:30 PM	518, Conv. Center	Photosynthesis and Cellular Respiration
Saturday, Apr 1	10:00–11:30 AM	518, Conv. Center	Modeling the Introduction of a New Species: NGSS Ecology
Saturday, Apr 1	12 Noon–1:30 PM	518, Conv. Center	Convection Currents and Continental Drift
Saturday, Apr 1	2:00–3:30 PM	518, Conv. Center	Make a Wet-Cell Battery

LaMotte Co. (Booth #2142)

Friday, Mar 31	8:00–9:30 AM	511 AB, Conv. Center	Stream Ecology: Slimy Leaves for Healthy Streams
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Learning Bits (Booth #1059)

Saturday, Apr 1	8:00–9:30 AM	403B, Conv. Center	Science Bits: The 17-Time Digital Curriculum Award-Winner That Enhances Learning with Understanding
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LEGO® Education (Booth #1836)

Thursday, Mar 30	10:00–11:30 AM	304C, Conv. Center	Bring Robotics to Your Science Classroom with LEGO® MINDSTORMS® Education EV3
Thursday, Mar 30	12 Noon–1:30 PM	304C, Conv. Center	Make Science Come to Life Through Modeling with LEGO® Education
Thursday, Mar 30	4:00–5:30 PM	304C, Conv. Center	Learn to Code with LEGO® MINDSTORMS® Education EV3
Friday, Mar 31	10:00–11:30 AM	304C, Conv. Center	Bring Robotics to Your Science Classroom with LEGO® MINDSTORMS® Education EV3
Friday, Mar 31	2:00–3:30 PM	304C, Conv. Center	Make Science Come to Life Through Modeling with LEGO Education
Friday, Mar 31	4:00–5:30 PM	304C, Conv. Center	Tackle Renewable Energy with LEGO Education
Saturday, Apr 1	8:00–9:30 AM	304C, Conv. Center	Bring Robotics to your Science Classroom with LEGO® MINDSTORMS® Education EV3
Saturday, Apr 1	10:00–11:30 AM	304C, Conv. Center	Make Science Come to Life Through Modeling with LEGO Education

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LEGO® Education, cont.

Saturday, Apr 1	12 Noon–1:30 PM	304C, Conv. Center	Learn to Code with LEGO® MINDSTORMS® Education EV3
Saturday, Apr 1	2:00–3:30 PM	304C, Conv. Center	Tackle Renewable Energy with LEGO Education

LEGO® Education (Booth #1836) and FIRST® (Booth #2143)

Thursday, Mar 30	2:00–3:30 PM	304C, Conv. Center	It's Never Too Early to Discover STEM: <i>FIRST</i> ® LEGO® League Jr. Encourages the Curiosity that Leads to Discovery
Friday, Mar 31	12 Noon–1:30 PM	304C, Conv. Center	Imaginative Thinking, Teamwork, AND Robots: <i>FIRST</i> ® LEGO® League Builds More than Robots

McGraw-Hill Education (Booth #2343)

Friday, Mar 31	2:00–3:30 PM	408B, Conv. Center	Science Vocabulary Has Kinetic Energy When It's Moving
Saturday, Apr 1	10:00–11:30 AM	406 AB, Conv. Center	Three Steps to AP Exam Success

Measured Progress (Booth #1338)

Thursday, Mar 30	2:00–3:30 PM	409 AB, Conv. Center	Assess the NGSS: Formative Assessment Strategies for Grades K–8
Friday, Mar 31	4:00–5:30 PM	409 AB, Conv. Center	Assess the NGSS: Formative Assessment Strategies for Grades K–8
Saturday, Apr 1	10:00–11:30 AM	409 AB, Conv. Center	Assess the NGSS: Formative Assessment Strategies for Grades K–8

The MiniOne Systems (Booth #1135)

Thursday, Mar 30	8:00–9:30 AM	150C, Conv. Center	Inquiry-Based Introduction to Gel Electrophoresis
Thursday, Mar 30	10:00–11:30 AM	150C, Conv. Center	Who Is Baby Whale's Father? DNA Fingerprinting Solves the Mystery!
Thursday, Mar 30	12 Noon–1:30 PM	150C, Conv. Center	Quick and Easy PCR in 90 Minutes
Thursday, Mar 30	2:00–3:30 PM	150C, Conv. Center	Are You a PTC Taster? Let's Do PCR to Find Out!
Thursday, Mar 30	4:00–5:30 PM	150C, Conv. Center	Gel Electrophoresis in 90 Minutes to Deduce Genotype from Phenotype
Friday, Mar 31	10:00–11:30 AM	305, Conv. Center	Foodborne Outbreak Investigation Using Gel Electrophoresis

miniPCR (Booth #828)

Thursday, Mar 30	2:00–3:30 PM	305, Conv. Center	Genes in Space: Launch Your DNA Experiment into Space!
Friday, Mar 31	2:00–3:30 PM	512, Conv. Center	Studying Genetic Variation in the Classroom

Monsanto Co. (Booth #935)

Thursday, Mar 30	12 Noon–1:30 PM	408A, Conv. Center	GMOs: A Hot Topic in the Media and Classroom: Monsanto Panel Discussion and Presentation
Friday, Mar 31	10:00–11:30 AM	514, Conv. Center	Grow GMO Seeds in Your Classroom and Conduct Protein and DNA Analyses Using Lateral Flow Strips and PCR
Friday, Mar 31	2:00–3:30 PM	503, Conv. Center	Engineering Sustainable Tools: Environmental Science in AGtion

MSOE Center for BioMolecular Modeling (Booth #1037)

Friday, Mar 31	4:00–5:30 PM	153B, Conv. Center	Modeling a Protein Story: Hemoglobin from Structure to Function
Saturday, Apr 1	8:00–9:30 AM	153B, Conv. Center	Bird Flu, Swine Flu, Pandemic Flu—Oh My!
Saturday, Apr 1	10:00–11:30 AM	153B, Conv. Center	A Visual Journey through the Human Cell with Watercolor Landscapes
Saturday, Apr 1	12 Noon–1:30 PM	153B, Conv. Center	You've Got Some Nerve! Exploring Neuronal Communication

Nanolive SA (Booth #1155)

Thursday, Mar 30	4:00–5:30 PM	511C, Conv. Center	Bring Your Cell Biology Teaching to the Next Level with the 3D Cell Explorer!
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NaRiKa Corp. (Booth #1249)

Thursday, Mar 30	4:00–5:30 PM	153C, Conv. Center	Hands-On Approach to Teach Electricity in Japan
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National Coalition for Aviation & Space Education (Booth #1361)

Friday, Mar 31	8:00–9:30 AM	503, Conv. Center	STEAM Education: The National Coalition for Aviation and Space Education Is Here for You!
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National Geographic (Booths #2040 and #2043)

Saturday, Apr 1	8:00–9:30 AM	409 AB, Conv. Center	Become a Nat Geo–Certified Educator
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National Nanotechnology Initiative (Booth #1460)

Friday, Mar 31	2:00–3:30 PM	511C, Conv. Center	Incorporating Standards-Based Nanotechnology Lessons in the Secondary Science Classroom
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Pali Institute (Booth #1867)

Saturday, Apr 1	8:00–9:30 AM	301 AB, Conv. Center	Outdoor Education in Southern California
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PASCO scientific (Booth #1639)

Thursday, Mar 30	8:00–9:00 AM	405, Conv. Center	True Colors: Spectrometry to Investigate Lights and Colors
Thursday, Mar 30	8:00–9:00 AM	407, Conv. Center	STEM Activities: Easy-to-Teach Robotics
Thursday, Mar 30	9:30–10:30 AM	407, Conv. Center	From DNA to Protein—A Modeling Approach
Thursday, Mar 30	9:30–10:30 AM	405, Conv. Center	Exploring Misconceptions: What Is pH?
Thursday, Mar 30	11:00 AM–12 Noon	405, Conv. Center	Essential Chemistry: Stoichiometry and Limiting Reactants with Gas Laws
Thursday, Mar 30	11:00 AM–12 Noon	407, Conv. Center	STEM Activities: Crash Barrier Design and Engineering Challenge
Thursday, Mar 30	12:30–1:30 PM	407, Conv. Center	Shockingly Good Electrochemistry: Making and Using Batteries
Thursday, Mar 30	12:30–1:30 PM	405, Conv. Center	Understanding Photosynthesis: A Lab-Based Approach
Thursday, Mar 30	2:00–3:00 PM	405, Conv. Center	Chemical Formulas: Subscripts and Coefficients Made Easy!
Thursday, Mar 30	2:00–3:00 PM	407, Conv. Center	STEM Activities: Untangling Electric Circuits
Thursday, Mar 30	3:30–4:30 PM	407, Conv. Center	Exploring Misconceptions: Motion Graphs
Thursday, Mar 30	3:30–4:30 PM	405, Conv. Center	Exploring and Modeling Climate Change
Friday, Mar 31	8:00–9:00 AM	405, Conv. Center	Extraordinary Earth Science Activity: Modeling Watersheds and Human Impacts
Friday, Mar 31	8:00–9:00 AM	407, Conv. Center	From DNA to Protein—A Modeling Approach
Friday, Mar 31	9:30–10:30 AM	407, Conv. Center	STEM Activities: Easy-to-Teach Robotics
Friday, Mar 31	9:30–10:30 AM	405, Conv. Center	Exploring Misconceptions: Heat and Temperature
Friday, Mar 31	11:00 AM–12 Noon	405, Conv. Center	Essential Chemistry: Stoichiometry and Limiting Reactants with Gas Laws
Friday, Mar 31	11:00 AM–12 Noon	407, Conv. Center	Light and Optics
Friday, Mar 31	12:30–1:30 PM	407, Conv. Center	STEM Activities: The Science of Musical Sound
Friday, Mar 31	12:30–1:30 PM	405, Conv. Center	True Colors: Spectrometry to Investigate Lights and Colors
Friday, Mar 31	2:00–3:00 PM	405, Conv. Center	Essential Chemistry: Meaningful Titration of Everyday Antacids
Friday, Mar 31	2:00–3:00 PM	407, Conv. Center	Introducing Statistics in Biology to Improve Scientific Reasoning
Friday, Mar 31	3:30–4:30 PM	407, Conv. Center	STEM Activities: Fascinating Forces and Simple Machines
Friday, Mar 31	3:30–4:30 PM	405, Conv. Center	Understanding Photosynthesis: A Lab-Based Approach

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Pearson Education (Booth #1141)

Thursday, Mar 30	8:00–9:30 AM	514, Conv. Center	The Best Test Prep Book Ever for AP Chemistry
Thursday, Mar 30	10:00–11:30 AM	514, Conv. Center	Climate and Global Change...Too Hot to Handle? Teaching the Science with Rigor and Relevance
Thursday, Mar 30	12 Noon–1:30 PM	514, Conv. Center	Take Your Students On a Quest! A Real-World Problem-Based Learning Project that Incorporates All Three Dimensions of NGSS
Thursday, Mar 30	2:00–3:30 PM	514, Conv. Center	STEM and NGSS Inquiry in Chemistry: Effective, Efficient, Economical
Thursday, Mar 30	4:00–5:30 PM	514, Conv. Center	Cultivating a Culture of Argumentation in Your Classroom
Friday, Mar 31	8:00–9:30 AM	301 AB, Conv. Center	The Next Generation of Middle Grades Scope and Sequence
Friday, Mar 31	10:00–11:30 AM	301 AB, Conv. Center	Science Denial: Why Is It Increasing? What Can We Do About It?
Friday, Mar 31	12 Noon–1:30 PM	301 AB, Conv. Center	Using Problem-Based Learning to Up Your NGSS Game
Friday, Mar 31	2:00–3:30 PM	301 AB, Conv. Center	Teaching Geoscience in an NGSS-Focused Curriculum
Friday, Mar 31	4:00–5:30 PM	301 AB, Conv. Center	Civilization Exists by Geological Consent

Perimeter Institute for Theoretical Physics (Booth #1254)

Thursday, Mar 30	8:00–9:30 AM	512, Conv. Center	How Do Scientists Think?
Thursday, Mar 30	10:00–11:30 AM	512, Conv. Center	What's New in Physics?
Friday, Mar 31	8:00–9:30 AM	512, Conv. Center	Black Holes for High School
Friday, Mar 31	10:00–11:30 AM	512, Conv. Center	GPS and Relativity
Friday, Mar 31	12 Noon–1:30 PM	512, Conv. Center	Quantum in the Classroom: Wave-Particle Duality
Saturday, Apr 1	10:00–11:30 AM	501 AB, Conv. Center	Let Them Question! An Alternative Way of Understanding the Universe

PlayMada Games (Booth #2117)

Thursday, Mar 30	2:00–3:30 PM	153A, Conv. Center	Reconceptualizing Chemistry Through Play: Acids and Bases
Friday, Mar 31	12 Noon–1:30 PM	153C, Conv. Center	Reconceptualizing Chemistry Through Play: Ionic Bonding
Saturday, Apr 1	10:00–11:30 AM	153C, Conv. Center	The Power of Game-Based Learning in the Science Classroom

Project Lead The Way, Inc. (Booth #2328)

Saturday, Apr 1	10:00–11:30 AM	305, Conv. Center	Engaging Your Students in 3D Problem-Based Learning: Making It Happen
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Project WET Foundation (Booth #2251)

Thursday, Mar 30	4:00–5:30 PM	511 AB, Conv. Center	Creating Excitement About Science Through Water Education
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Publisher Spotlight (Booth #1134)

Saturday, Apr 1	10:00–11:30 AM	301 AB, Conv. Center	<i>Oh, Ick!</i> Science Experiments Guaranteed to Gross You Out
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SAE International (Booth #1451)

Thursday, Mar 30	2:00–3:30 PM	512, Conv. Center	Linking Literature and STEM in the Primary Classroom
Thursday, Mar 30	4:00–5:30 PM	512, Conv. Center	Hands-On STEM in the Upper Elementary Classroom

Scholastic Inc. (Booths #1324 and #1328)

Thursday, Mar 30	2:00–3:30 PM	153B, Conv. Center	Using Science Magazines to Incorporate the Three Dimensions of NGSS
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Science First, LLC (Booths #748 and #749)

Thursday, Mar 30	2:00–2:30 PM	Booth #748, Exhibit Hall	Earthquakes and Their Causes
Friday, Mar 31	1:00–1:30 PM	Booth #748, Exhibit Hall	Now You See It, Now You Don't

SE3D (Booth #1029)

Thursday, Mar 30	2:00–3:30 PM	153C, Conv. Center	Innovative Bioscience Classrooms with 3D Bioprinting
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Shape of Life (Booth #1452)

Thursday, Mar 30	10:00–11:30 AM	153C, Conv. Center	The Animal Kingdom Lessons with Shape of Life Resources
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Simulation Curriculum Corp. (Booth #728)

Thursday, Mar 30	10:00–11:30 AM	511 AB, Conv. Center	An All-American Total Eclipse of the Sun
Friday, Mar 31	10:00–11:30 AM	511 AB, Conv. Center	The Raging Earth and Sky
Saturday, Apr 1	10:00–11:30 AM	511 AB, Conv. Center	Amazing Astronomical Phenomena

Slooh—Space for Everyone! (Booth #1965)

Friday, Mar 31	8:00–9:30 AM	305, Conv. Center	See Space Live from Your Classroom with Slooh
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Society for Neuroscience (Booth #825)

Saturday, Apr 1	10:00–11:30 AM	403B, Conv. Center	How the Teen Brain Learns
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South Dakota State University Dept. of Chemistry (Booth #1250)

Saturday, Apr 1	8:00–9:30 AM	406 AB, Conv. Center	Using the Classic Demonstration to Engage Students in Science Talk
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Springbay Studio, Ltd. (Booth #636)

Friday, Mar 31	12 Noon–1:30 PM	503, Conv. Center	Teach Biodiversity By Building Interactive Virtual Bio Domes!
Saturday, Apr 1	8:00–9:30 AM	503, Conv. Center	Teach Biodiversity By Building Interactive Virtual Bio Domes!

STEMscopes™ from Accelerate Learning (Booth #834)

Thursday, Mar 30	8:00–9:00 AM	150 AB, Conv. Center	STEM Literacy: Strategies for Making Science Text Meaningful
Thursday, Mar 30	9:30–10:30 AM	150 AB, Conv. Center	Make Science Night Meaningful
Thursday, Mar 30	11:00 AM–12 Noon	150 AB, Conv. Center	Argumentation in the STEM Classroom
Thursday, Mar 30	12:30–1:30 PM	150 AB, Conv. Center	DIVE into Engineering
Thursday, Mar 30	2:00–3:00 PM	150 AB, Conv. Center	The Value of Writing Scientific Explanations in STEM with Claim-Evidence-Reasoning
Thursday, Mar 30	3:30–4:30 PM	150 AB, Conv. Center	Cooking Up Lessons with Three Dimensional Learning
Friday, Mar 31	8:00–9:30 AM	153B, Conv. Center	Phenomena and Storylines: What's the Big Deal?
Friday, Mar 31	12 Noon–1:30 PM	153B, Conv. Center	Supporting Excellence in STEM Programs and Teaching Through STEM Certification

Studio 111 (Booth #1162)

Thursday, Mar 30	2:00–3:30 PM	511C, Conv. Center	Catalyst Planner: Streamline Your NGSS Curriculum Development
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TCl (Booth #942)

Thursday, Mar 30	8:00–9:30 AM	153A, Conv. Center	Modeling the Earth, Sun, and Other Stars with Bring Science Alive!
Thursday, Mar 30	10:00–11:30 AM	153A, Conv. Center	Analyzing and Interpreting Data Using TCI's Bring Science Alive!
Thursday, Mar 30	12 Noon–1:30 PM	153A, Conv. Center	Riding the Wave with TCI
Friday, Mar 31	12 Noon–1:30 PM	153A, Conv. Center	Science and Engineering Practices in the NGSS
Friday, Mar 31	2:00–3:30 PM	153A, Conv. Center	3-Dimensional Learning in the Elementary Classroom
Friday, Mar 31	4:00–5:30 PM	153A, Conv. Center	Integrating Literacy Skills in Elementary Science Investigations
Saturday, Apr 1	8:00–9:30 AM	153A, Conv. Center	Engineering Design in the NGSS
Saturday, Apr 1	10:00–11:30 AM	153A, Conv. Center	Performance Assessments—Engaging and Fun!
Saturday, Apr 1	12 Noon–1:30 PM	153A, Conv. Center	Phenomena-Driven Lessons for the Middle School Classroom

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Texas Instruments (Booth #1633)

Thursday, Mar 30	8:00–9:30 AM	511 AB, Conv. Center	Zombie Apocalypse!
Thursday, Mar 30	12 Noon–1:30 PM	511 AB, Conv. Center	Smart Management of Water Resources Using TI Graphing Calculators and the TI-Innovator Hub
Thursday, Mar 30	2:00–3:30 PM	511 AB, Conv. Center	Five Amazing Things You Can Do with Calculators in Your Science Classroom!
Friday, Mar 31	12 Noon–1:30 PM	511 AB, Conv. Center	Zombie Apocalypse!
Friday, Mar 31	2:00–3:30 PM	511 AB, Conv. Center	Using Maggots, Flies, and Flesh to Solve a Mystery!
Friday, Mar 31	4:00–5:30 PM	511 AB, Conv. Center	Top Three Things You Can Do with Calculators in STEM!
Saturday, Apr 1	8:00–9:30 AM	511 AB, Conv. Center	Zombie Apocalypse!
Saturday, Apr 1	12 Noon–1:30 PM	511 AB, Conv. Center	Using Maggots, Flies, and Flesh to Solve a Mystery!
Saturday, Apr 1	2:00–3:30 PM	511 AB, Conv. Center	Smart Management of Water Resources Using TI Graphing Calculators and the TI-Innovator Hub

Tumblehome Learning (Booth #2231)

Friday, Mar 31	4:00–5:30 PM	410, Conv. Center	Visualizing Data and Teaching Climate Change at the Middle School
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TurfMutt (Booth #2153)

Thursday, Mar 30	12 Noon–1:30 PM	511C, Conv. Center	Environmental Science: Explore Living Landscapes
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U.S. Fish and Wildlife Service (Booth #2060)

Saturday, Apr 1	8:00–9:30 AM	303 AB, Conv. Center	The Secret Lives of Fish: Migration, Movement, and More
Saturday, Apr 1	10:00–11:30 AM	303 AB, Conv. Center	The Junior Duck Stamp Program: Integrating Science with Art
Saturday, Apr 1	12 Noon–1:30 PM	303 AB, Conv. Center	Educating on the Wild Side with the U.S. Fish and Wildlife Service

Vaccine Education Center (Booth #524)

Thursday, Mar 30	2:00–3:30 PM	408A, Conv. Center	Which Scientist's Work Saves 8 Million Lives a Year?
Friday, Mar 31	4:00–5:30 PM	503, Conv. Center	Viruses, Bacteria, and a Party: Teaching Elementary Students About Germs
Saturday, Apr 1	8:00–9:30 AM	408A, Conv. Center	How Do Diseases Circumvent the Immune System? Engaging HS Students

Van Andel Education Institute (Booth #716)

Friday, Mar 31	8:00–9:30 AM	410, Conv. Center	Stop Creating Lesson Plans: Start Creating Learning Experiences
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Vernier Software & Technology (Booth #1625)

Thursday, Mar 30	8:00–9:30 AM	402A, Conv. Center	Integrating Chromebook with Vernier Technology
Thursday, Mar 30	8:00–9:30 AM	402B, Conv. Center	Renewable Energy with KidWind and Vernier
Thursday, Mar 30	10:00–11:30 AM	402B, Conv. Center	Integrating iPad with Vernier Technology
Thursday, Mar 30	10:00–11:30 AM	402A, Conv. Center	Biology with Vernier
Thursday, Mar 30	12 Noon–1:30 PM	402A, Conv. Center	Chemistry with Vernier Using Chromebook
Thursday, Mar 30	12 Noon–1:30 PM	402B, Conv. Center	Physics with Vernier
Thursday, Mar 30	2:00–3:30 PM	402B, Conv. Center	Middle School Science with Vernier
Thursday, Mar 30	2:00–3:30 PM	402A, Conv. Center	Environmental Science with Vernier
Thursday, Mar 30	4:00–5:30 PM	402A, Conv. Center	Chemistry with Vernier
Thursday, Mar 30	4:00–5:30 PM	402B, Conv. Center	STEM/Engineering Activities Using Vernier Sensors with Arduino
Friday, Mar 31	8:00–9:30 AM	402B, Conv. Center	Advanced Physics with Vernier
Friday, Mar 31	8:00–9:30 AM	402A, Conv. Center	Water Quality with Vernier
Friday, Mar 31	10:00–11:30 AM	402A, Conv. Center	Chemistry with Vernier
Friday, Mar 31	10:00–11:30 AM	402B, Conv. Center	Explore Motion with Vernier Video Physics for iOS

Vernier Software & Technology, cont.

Friday, Mar 31	12 Noon–1:30 PM	402B, Conv. Center	Thermal Analysis
Friday, Mar 31	12 Noon–1:30 PM	402A, Conv. Center	Biology with Vernier Using Chromebook
Friday, Mar 31	2:00–3:30 PM	402A, Conv. Center	Integrating Chromebook with Vernier Technology
Friday, Mar 31	2:00–3:30 PM	402B, Conv. Center	Integrating iPad with Vernier Technology
Friday, Mar 31	4:00–5:30 PM	402A, Conv. Center	Biology with Vernier
Friday, Mar 31	4:00–5:30 PM	402B, Conv. Center	Renewable Energy with KidWind and Vernier
Saturday, Apr 1	8:00–9:30 AM	402B, Conv. Center	Wind and Solar Energy Basics with Vernier
Saturday, Apr 1	8:00–9:30 AM	402A, Conv. Center	Biology with Vernier
Saturday, Apr 1	10:00–11:30 AM	402A, Conv. Center	Integrating Chromebook with Vernier Technology
Saturday, Apr 1	10:00–11:30 AM	402B, Conv. Center	Elementary Science with Vernier
Saturday, Apr 1	12 Noon–1:30 PM	402B, Conv. Center	Physics with Vernier
Saturday, Apr 1	12 Noon–1:30 PM	402A, Conv. Center	Chemistry with Vernier
Saturday, Apr 1	2:00–3:30 PM	402A, Conv. Center	Human Physiology with Vernier
Saturday, Apr 1	2:00–3:30 PM	402B, Conv. Center	Introductory Engineering Design Projects with Vernier

Ward's Science (Booth #648)

Thursday, Mar 30	8:00–9:30 AM	503, Conv. Center	Enzymes Made Doggone Easy: A Virtual Interactive Case Study!
Thursday, Mar 30	10:00–11:30 AM	503, Conv. Center	Here Comes the Sun Power: Practical Applications and Protection
Thursday, Mar 30	12 Noon–1:30 PM	503, Conv. Center	Lights, Camera, Action Potentials!
Thursday, Mar 30	2:00–3:30 PM	503, Conv. Center	LA Confidential: Investigate the Murder of the Unknown Starlet
Thursday, Mar 30	4:00–5:30 PM	503, Conv. Center	The Voice LIVE: Physics Edition

Wavefunction, Inc. (Booth #1154)

Thursday, Mar 30	10:00–11:30 AM	511C, Conv. Center	Molecular Level Visualization: Engage Your Students and Fight Misconceptions!
Friday, Mar 31	10:00–11:30 AM	511C, Conv. Center	Molecular-Level Visualization: Engage Your Students and Fight Misconceptions!

WhiteBox Learning (Booth #1048)

Friday, Mar 31	10:00–11:30 AM	410, Conv. Center	Turn-Key STEM/Engineering Program by WhiteBox Learning
Saturday, Apr 1	10:00–11:30 AM	410, Conv. Center	Turn-Key STEM/Engineering Program by WhiteBox Learning

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