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NASHVILLE

MARCH 31–April 3, 2016

#NSTA16



VOL.4

NSTA National
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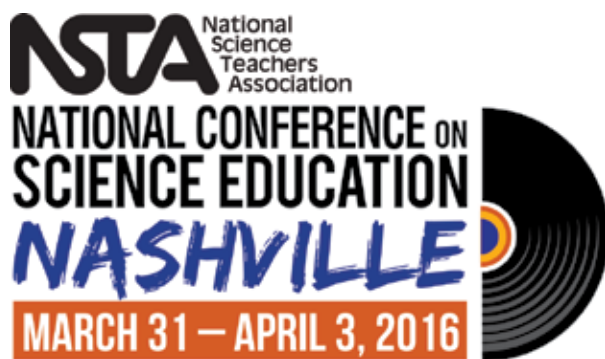
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Volume 4 Exhibitors

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Courtesy of Sean Pavone, Nashville, Tenn.
*People enjoy the Music City Walk of Fame Park in front of the
Country Music Hall of Fame in Nashville.*



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Science Inspires

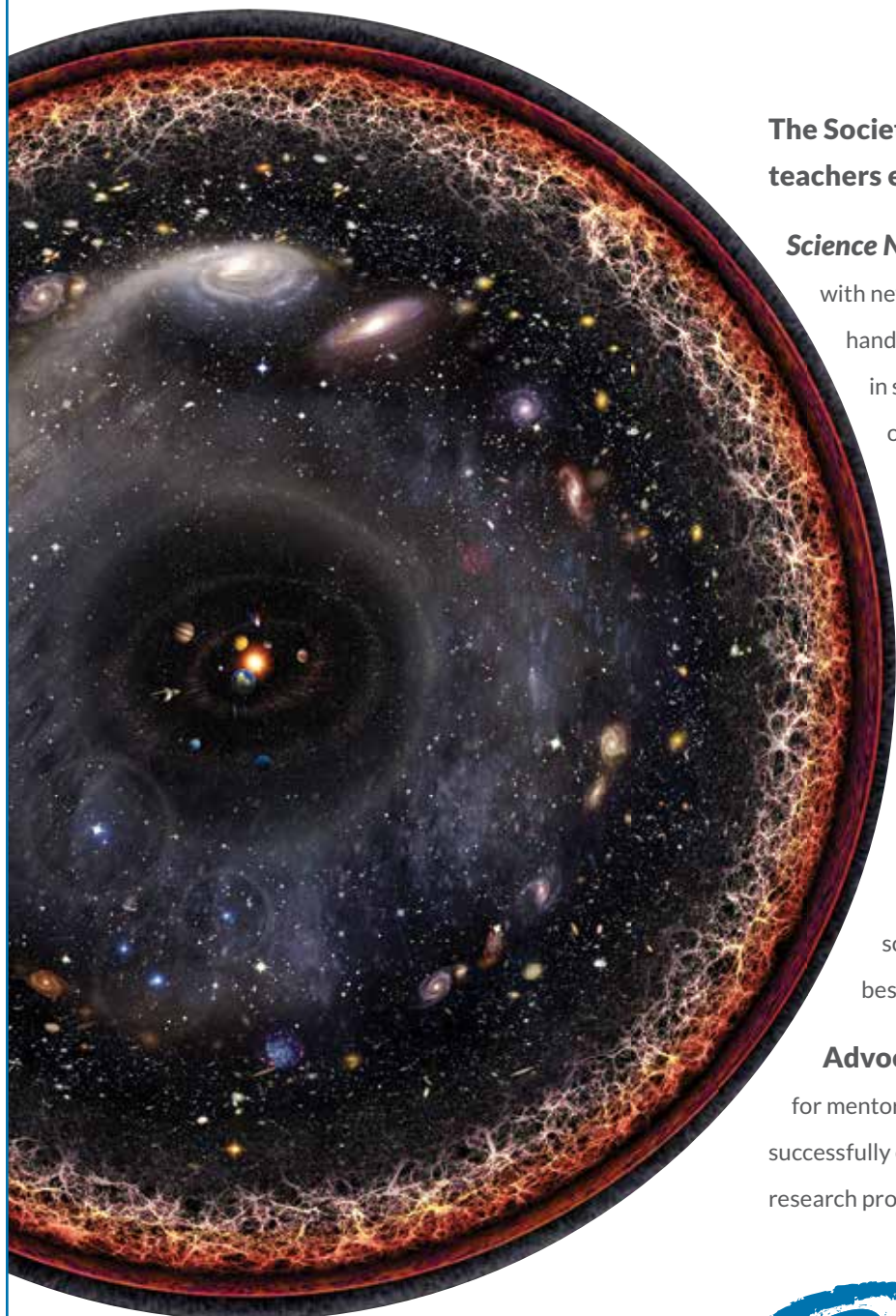
The Society for Science & the Public helps teachers educate and inspire students.

Science News for Students—our free website with news stories, features and ideas for hands-on activities that connect the latest in scientific research to in- and out-of-classroom learning.

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UNIVERSAL MAP This diagram, made up of stitched together NASA imagery, is essentially a map of the observable universe. The solar system is at center. The scale changes as you move outward so that the distances depicted toward the edge of the circle are enormous.
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Environmental Science	EN
Integrated/General Science	G
Physics/Physical Science	PH
Professional Development	PD
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 E-mail: support@5etek.com
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 E-mail: ebrady@aplusstemlabs.com
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5177 Richmond Ave., Suite 1025 PreK–12
Houston, TX 77056
Phone: 480-529-9449
E-mail: javier@acceleratelearning.com
Website: www.acceleratelearning.com

Built on a digital platform, enhanced by print, and brought to life in hands-on kits, STEMscopes PreK–12 is an all-in-one STEM solution for NGSS and non-NGSS states. Developed in the lab by teachers for teachers, STEMscopes is rooted in unique instructional models that emphasize hands-on, inquiry-based exploration of STEM topics alongside videos, games, PBLs, and literacy development activities.

Achievement First #259
335 Adams St. B, C, EA, G, PH, PD
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Phone: 866-462-9237
E-mails: missioncontrol@ecybermission.com;
aeopgems@nsta.org
Website: www.usaeop.com

Come learn about eCYBERMISSION, a STEM competition free to grades 6–9 students; as well as GEMS and Camp Invention Initiative (CII), summer STEM enrichment programs that partner Army Research Laboratories with local educators and students. CII serves grades K–5, and GEMS grades 6–12.

Albert Einstein Distinguished #1535
Educator Fellowship Program G, PD
PO Box 117 K–12
Oak Ridge, TN 37831
Phone: 865-574-1447
E-mail: patti.obenour@orau.org
Website: orise.orau.gov

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 Website: www.aalasfoundation.org

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 College Park, MD 20740
 Phone: 301-209-3626
 E-mail: awills@aapt.org
 Website: www.aapt.org

AAPT is the premier global professional society dedicated to improving the understanding and appreciation of physics through teaching. AAPT offers numerous physics-based resources to develop, improve, and promote best practices for high school science teachers. We're dedicated to helping physics teachers inspire their students and reach success in their classrooms.

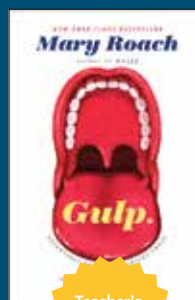
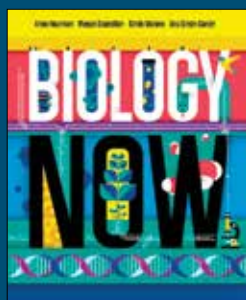
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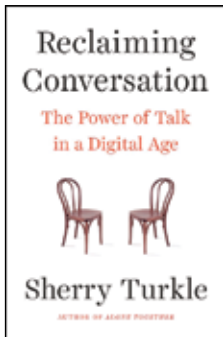
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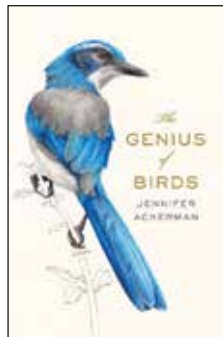
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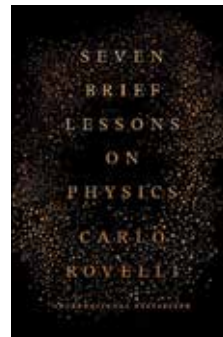
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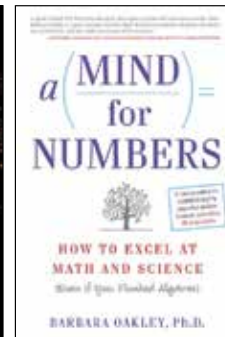
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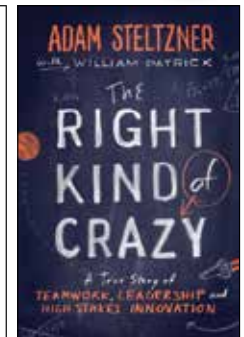
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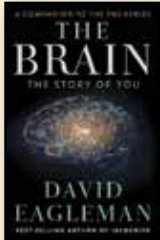
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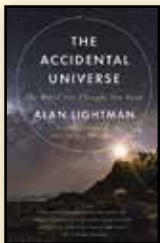
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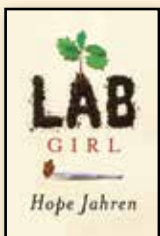
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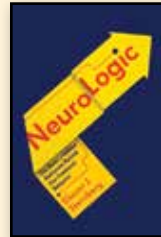


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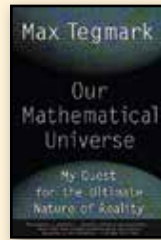
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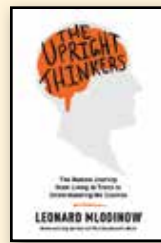
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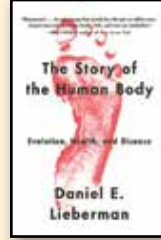
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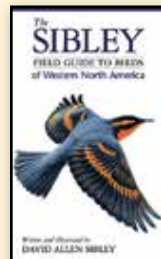
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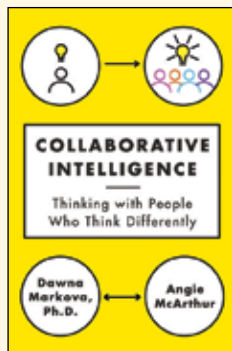
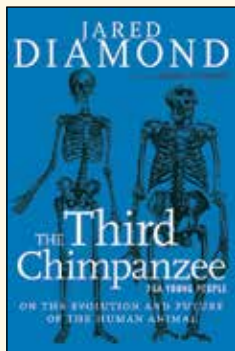
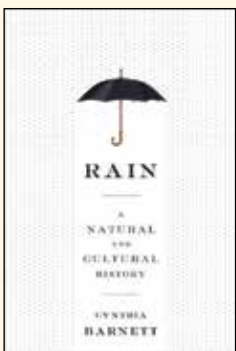
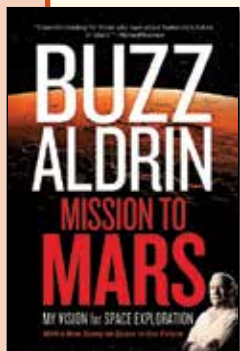
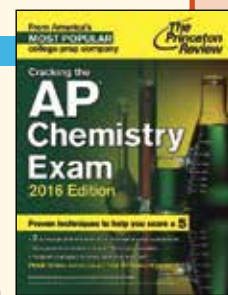
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Visit our booth and learn about our K–12 aerospace/STEM products and programs sponsored by the Air Force Auxilliary and Air Force Association. Free STEM kits, curriculum resources, and flights—along with cyber security, space exploration, and cadet programs will enrich any formal or informal education setting, inspiring students toward an interest in STEM subjects and careers.

CK-12 Foundation

3430 W. Bayshore Rd.
Palo Alto, CA 94303
Phone: 650-494-1302, x106
E-mail: juli@ck12.org
Website: www.ck12.org

The CK-12 Foundation is a California-based nonprofit organization whose mission is to reduce the cost of, and increase access to, K–12 educational resources worldwide. CK-12 provides free and fully customizable K–12 open educational resources targeting state and national curriculum standards and tailored to meet student and teacher needs.

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Biological Sciences
132 Long Hall
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E-mail: tjarret@clemson.edu
Website: www.clemson.edu/cafls/departments/biosci

The Department of Biological Sciences is proud to offer an online non-thesis Master of Biological Sciences designed specifically for K–12 teachers. The curriculum consists 30 credit hours of relevant, rigorous, and challenging graduate courses that are specifically designed to improve science content knowledge. This program is fully in a distance-learning format.

Cogent Education

470 E. Paces Ferry Rd.
Suite 390
Atlanta, GA 30305
Phone: 877-654-1001
E-mail: tyler@cogenteducation.com
Website: www.cogenteducation.com

Cogent Education offers Interactive Case Study software that allows students to explore a career in science, interact with the molecular world, and solve real-world problems. The Interactive Cases are designed by scientists and proven to help students learn difficult biological concepts through inquiry and problem-solving, as well as funded by NIH and NSF, in partnership with teachers.

The Consumer Aerosol

Products Council
1667 K St. NW, Suite 300
Washington, DC 20007
Phone: 202-670-6501
E-mail: info@aerosolproducts.org
Website: www.aerosolproducts.org

The Consumer Aerosol Products Council (CAPCO) is a nonprofit that has developed resources for teachers to help educate their

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students about the environment by teaching about the history of CFCs, the Earth's upper ozone layer, the atmosphere, and also aerosol product technology to teach about gases under pressure, phase changes, gas laws, and physics. They offer a free teacher's kit for grades 4–9, and information on recycling empty aerosol cans.

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Cook Museum of Natural Science

1740 4th Ave. SE, Suite E
Decatur, AL 35601
Phone: 256-351-4505
E-mail: schelly.corry@cookmuseum.org
Website: www.cookmuseum.org

The new Cook Museum of Natural Science will be a state-of-the-art, scientifically accurate, educational destination and cultural venue located in downtown Decatur, Alabama. Opening summer 2017, the museum will be dedicated to the exploration of our physical and natural world. Visitors will be encouraged to think critically and creatively while experiencing how “Life is Amazing”!

The Cornell Lab of Ornithology,

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Creative Discovery Museum (Chattanooga, Tennessee) is working with the BioEnergy Science Center (BESC) in Oak Ridge, Tennessee, on a biofuels/alternative energies project called Farming For Fuels. Come by our booth to pick up free STEM materials, including curriculum, hands-on activities, “Road Trip Challenge” iPad app, website (www.learnbiofuels.org), and distance learning lesson information.



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The Cyber Innovation Center provides hands-on professional development, curricula, programs, and competitions to engage students in cyber and STEM fundamentals. Project-driven curricula creates a contest for the content at every level of learning. Professional development programs for K-12 teachers enable them to motivate and spark creativity and innovation in students through problem-solving, critical thinking, and communication.

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Delta Education is your leading educational partner in providing hands-on, inquiry-based K-8 curriculum and instructional resources. With programs like FOSS® and DSM®, informational texts (*Delta Science Content Readers*), and STEM resources, we help you develop students who set a world-class standard for college and workforce readiness.

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ROOM	THURSDAY	FRIDAY
8:00–9:30		
CPO SCIENCE Room #201A	CPO's Chemistry Models Link Learning Module: Fun with Atom Building and the Periodic Table	CPO's Optics with Light and Color: Use Light to Learn About Light with our Link Learning Module
FOSS Room #201B	Ten Minutes to Improving Science Achievement	What Does Argumentation Look Like in an Elementary Classroom?
DSM Room #202A	Engineering Design: Will It Sink or Float?	No sessions
10:00–11:30		
FREY SCIENTIFIC Room #201A	Frey Scientific – Inquiry Investigations™ into Environmental Issues	Solving the Mystery of STEM using Forensic Science
FOSS Room #201B	What Does Argumentation Look Like in an Elementary Classroom?	What to Look for in Physical Science Learning Progressions – Experience FOSS K–5
DSM Room #202A	PEASE in Our Time – Memory Lanes of the Brain	No sessions
12:00–1:30		
CPO SCIENCE Room #201A	Building and Electric Motor the STEM Way with CPO's Link Learning Module	Genetics: Crazy Traits and CPO's Link Learning Module
FOSS Room #201B	Floods, Heat Waves, and Hurricanes: Analyzing Evidence for a Changing Climate Using FOSS	Modeling Energy Flow in Ecosystems: Developing Models in Middle School Life Science
DSM Room #202A	Crosscutting Concepts and Argumentation Using Magnets and Electromagnetism	No sessions
2:00–3:30		
CPO SCIENCE Room #201A	CPO's Wind Turbine Link Learning Module: A STEM Approach to Engineering and Design	CPO Science's new Physics AP1 Link Module: Rotational Motion using the CPO Rollercoaster
FOSS Room #201B	Engage Them Early: Engineering Experiences with FOSS	Designing with FOSS: Engineering in Elementary Science
DSM Room #202A	What's Going on in There? NGSS & STEM for Administrators, Teacher Trainers, and University Faculty	No sessions
4:00–5:30		
CPO SCIENCE Room #201A	Genetics: Crazy Traits and CPO's Link Learning Module	CPO's Wind Turbine Link Learning Module: A STEM Approach to Engineering and Design
FOSS Room #201B	What Does Conceptual Modeling Look Like in Grades 5–7 Classrooms?	Archaea and the Three Domains: Classification of Life for Middle School
DSM Room #202A	High Flying Connections with Science and Literacy	No sessions

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- Donate Life Tennessee will provide information on the importance of registering as an organ and tissue donor along with providing information on how Tennessee teachers can bring our education program to their classroom.
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- DroneCurriculum.net** #1210
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E-mail: support@dronecurriculum.net
Website: dronecurriculum.net
- We offer a curriculum that focuses on the elements of STEM education. Besides addressing essential design concepts of drone technology, each unit includes problem-solving activities that are aimed at enhancing student understanding, teacher lesson plans, slide presentations, dedicated handouts, vocabulary definitions, quizzes, and actual drone kits that the students build!
- The DuPont Challenge** #1043
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Phone: 703-312-9378
E-mail: tchinick@nsta.org
Website: thechallenge.dupont.com
- The DuPont Challenge Science Essay Competition is the premier science competition in the United States and Canada, inspiring students to excel and achieve in scientific writing. Students from grades K-12 are eligible. When students win, teachers win, too! For more information, visit The DuPont Challenge website at www.thechallenge.dupont.com.
- Dynalon Labware** #533
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Rochester, NY 14610 K-12, College
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- Earth Science Week** #1416
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Phone: 703-379-2480, x249
E-mail: info@earthsciweek.org
Website: www.earthsciweek.org
- Earth Science Week is an annual international celebration of the geoscience hosted by the American Geoscience Institute. This public awareness campaign provides free teaching materials, information, and other resources to promote understanding of Earth science.
- East Carolina University** #1239
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Website: www.ecu.edu/cs-educ/msite/science/index.cfm
- East Carolina University offers undergraduate and graduate degrees in science education including elementary and middle grade concentrations. Our secondary science program offers opportunities for a dual science specific BS. Our fully online master's program was recently ranked 14th out of the 252 online master education programs across the nation by *U.S. News Week*. Come by our booth to talk about your possibilities and the possibilities of your students. We will engage you in a game and will have fun prizes to give away.
- EcoRise Youth Innovations** #1117
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Austin, TX 78702 K-12
Phone: 512-651-3563
E-mail: info@ecorise.org
Website: www.ecorise.org
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 96 Morton St., 7th Floor T
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 Phone: 212-807-4200
 E-mail: playingwithdata@edc.org
 Website: cct.edc.org

Playing with Data is a National Science Foundation-funded research project to study how middle school science teachers use data from video game play to make decisions about instruction and student learning. The project is recruiting teachers to participate in the study beginning in fall 2016.

Educational Innovations #1026 /#1126
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Exhibitors



Engineering is Elementary® (EiE) #513

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Washington, DC 20024
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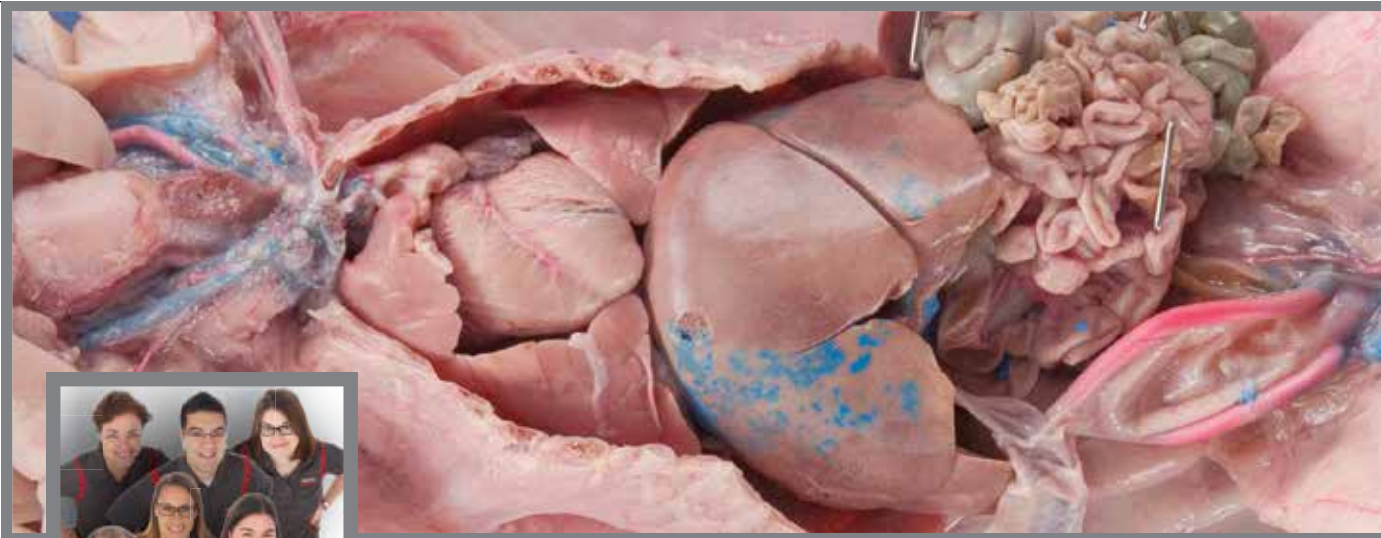
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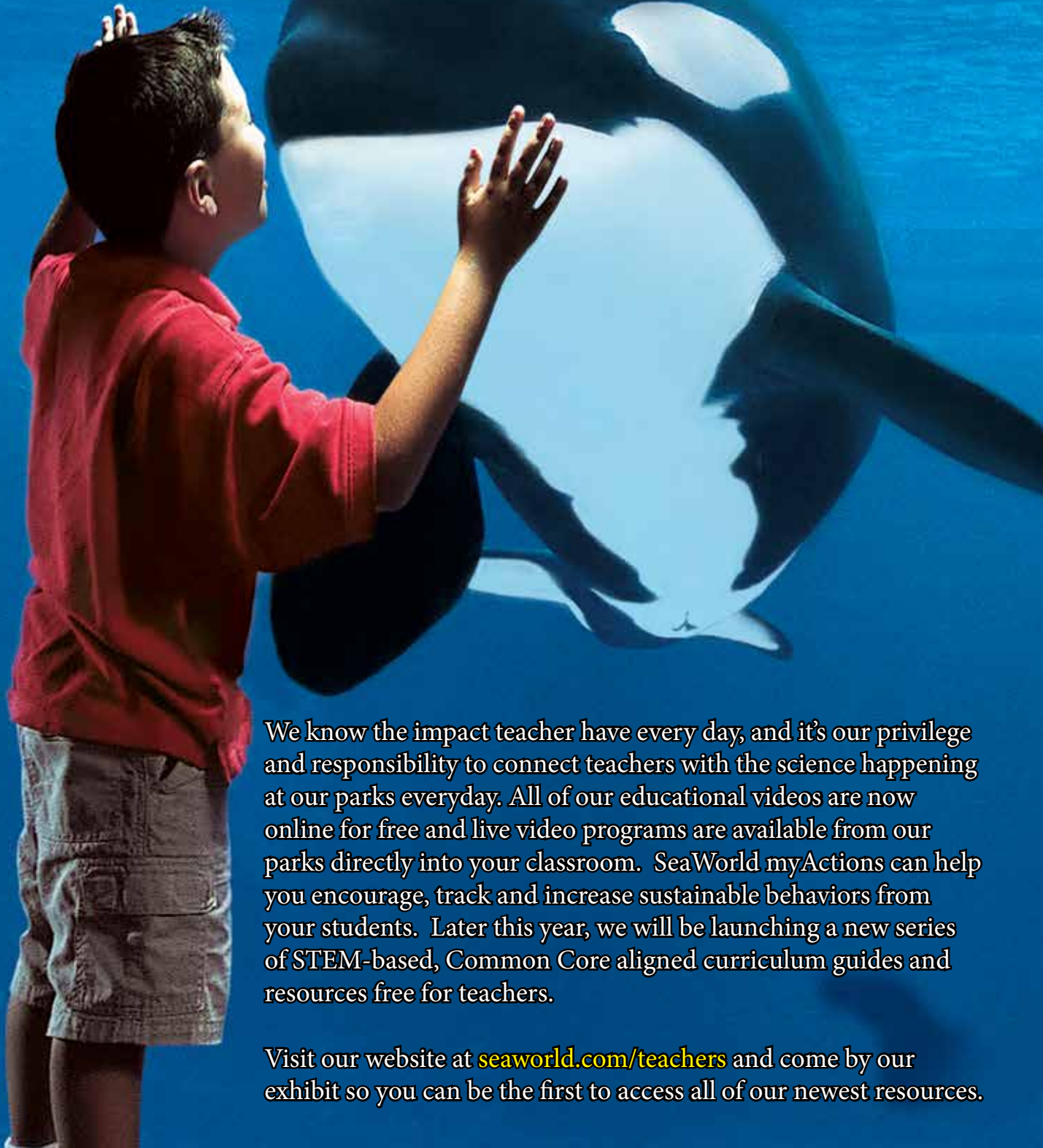
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 Website: www.distance.msstate.edu/geosciences

Mississippi State University offers MS degrees in geosciences through distance learning in two 36-hour non-thesis programs, the Applied Meteorology Program (AMP) and the Teachers in Geosciences (TIG) Program. AMP was designed for individuals in weather-related fields while TIG was designed for educators. New programs are also under development.

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 Troy, NY 12180 1-12
 E-mail: educators@molecularium.com
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Mountain Press publishes nonfiction books on geology, natural history, and western U.S. history. We are best known for the *Roadside Geology*, *Geology Underfoot*, and *Nature's Yucky!* series.

National Earth Science Teachers Association Events at 2016 Nashville NSTA Conference



All NESTA sessions are in *Music City Center, Davidson B*, unless otherwise indicated

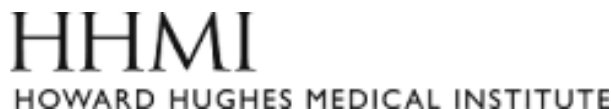
Friday, April 1

- 9:30 – 10:30 am Earth System Science Share-a-Thon
- 11:00 am – noon NESTA and HHMI Share: Multimedia Tools and Resources for Teaching Earth Science
- 12:30 – 1:30 pm NESTA and TERC Share: EarthScope Chronicles: The Newberry Volcano
- 2:00 – 3:00 pm Geology Share-a-Thon
- 3:30 – 4:30 pm Rock, Mineral, and Fossil Raffle
- 6:30 – 8:00 pm NESTA Friends of Earth Science Reception, *Hilton Garden Inn, Skyline Junior Ballroom*

Saturday, April 2

- 9:30 – 10:30 am Astronomy Science Share-a-Thon
- 11:00 am – noon American Geophysical Union Lecture, Dr. Linda Kah, Kenneth Walker Professor at UT-Knoxville, *Music City Center, Grand Ballroom C2*
- 12:30 – 1:30 pm NESTA and CIESIN Share: Exploring a Compendium of Online Resources for Teaching Earth Science
- 2:00 – 3:00 pm Atmosphere and Ocean Share-a-Thon
- 3:30 – 4:30 pm Innovative Ways to Teach about Weather Observation and Weather Hazards
- 5:00 – 6:00 pm NESTA Annual Membership Meeting

NESTA gratefully acknowledges the following organizations as sponsors:



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Website: www.murderatoldfields.com

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Phone: 651-423-8328
E-mails: deb.newberry@dtc.edu; billie.copley@dtc.edu
Website: www.nano-link.org

Nano-Link is dedicated to promoting nanotechnology education at multiple grade levels by providing comprehensive resources for educators. These resources are supported by hands-on educator workshops and online content and activity kits.

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National Agriculture in the Classroom #1113

2300 Old Main B, EN
Logan, UT 84322 K–12
Phone: 435-213-5562
E-mail: debra.spielmaker@usu.edu
Website: aqclassroom.org

National Agriculture in the Classroom is an organization of state programs that seek to improve agricultural literacy through science, social studies, nutrition education, and Common Core State Standards, by providing classroom resources for preK–12 teachers and their students. Agricultural science career resources and a strategy for teaching agricultural issues will be distributed.

National Assessment of Educational Progress
 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 students in the United States know and can do in various subjects. NAEP is a congressionally mandated project administered by the National Center for Education Statistics (NCES), located within the U.S. Department of Education's Institute of Education Sciences.

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 G
 4-12
 1904 Franklin St., Suite 600
 Oakland, CA 94612
 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. The NCSE provides information, resources, and advice to schools, teachers, parents, scientists, concerned citizens, and the press at local, state, and national levels.

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 E-mail: cchesson@need.org
 Website: www.need.org

The mission of The NEED Project is to promote an energy conscious and educated society by creating effective networks of students, educators, business, and government and community leaders to design and deliver objective, multi-sided energy education programs. NEED works with energy companies, agencies, and organizations to bring balanced energy programs to the nation's schools.

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 Bethesda, MD 20892
 Phone: 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 offers 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.

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The National Library of Medicine provides K–12 teachers and students with free, reliable science and health information resources and programs to help introduce, reinforce, and supplement education programs. Resources include biology, careers, chemistry, environmental health science, forensics, general health, genetics, and HIV/AIDS. For more information, visit sis.nlm.nih.gov/outreach/k12.html.

National Math + Science Initiative (NMSI) #162
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 Dallas, TX 75206
 Phone: 214-346-1213
 E-mail: ndouglas@nms.org

NMSI is transforming education across the nation by building college readiness through exceptional teaching. We are a nonprofit focused on delivering educational programs to states and schools by providing training and resources.

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 New York, NY 10016
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 E-mail: ltietjen@newknowledge.org
 Website: www.newknowledge.org

New Knowledge is a nonprofit think tank that partners with teachers in formal and informal learning environments to help advance positive engagement in solving the grand challenges that face society. The exhibit will share results of recent research and invite attendees to consider becoming part of our national research projects.

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#1034 nology-related activities of 20 departments and independent agencies. The NNI supports the development of robust educational resources, a skilled workforce, and supporting infrastructure and tools.

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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.

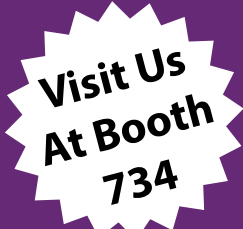
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 1305 East-West Hwy. EA, EN
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The National Nanotechnology Initiative (NNI) is a U.S. federal government research and development initiative involving the nanotech-


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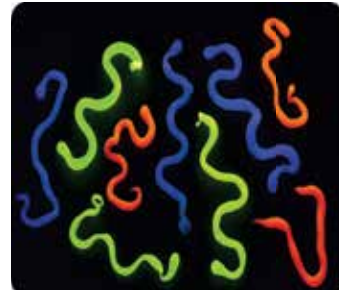
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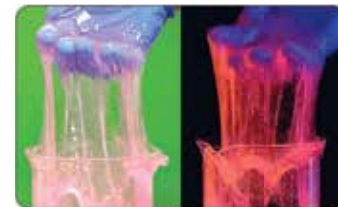
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Website: www.naaee.org

The North American Association for Environmental Education (NAAEE) has served as the professional association, champion, and backbone organization for the field of environmental education. We work with a diverse group of educators in the U.S., Canada, and Mexico to advance environmental education and engagement to help create a more environmentally informed, committed, and active citizenry.

Northeastern Integrated Pest Management Center #759
G
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Exhibitors

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NSTA Professional Learning Opportunities #1036

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The NSTA Professional Learning team supports science educators in school districts and institutions of higher education through a variety of face-to-face, online, and blended experiences tailored to their specific needs. The Learning Center, NSTA's online learning portal, is designed to enhance the content and pedagogical knowledge of teachers of science. Visit our booth to learn more about the professional learning opportunities available through NSTA.

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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 education resources about soil science and crop nutrients.

Ocean Optics, Inc. #944

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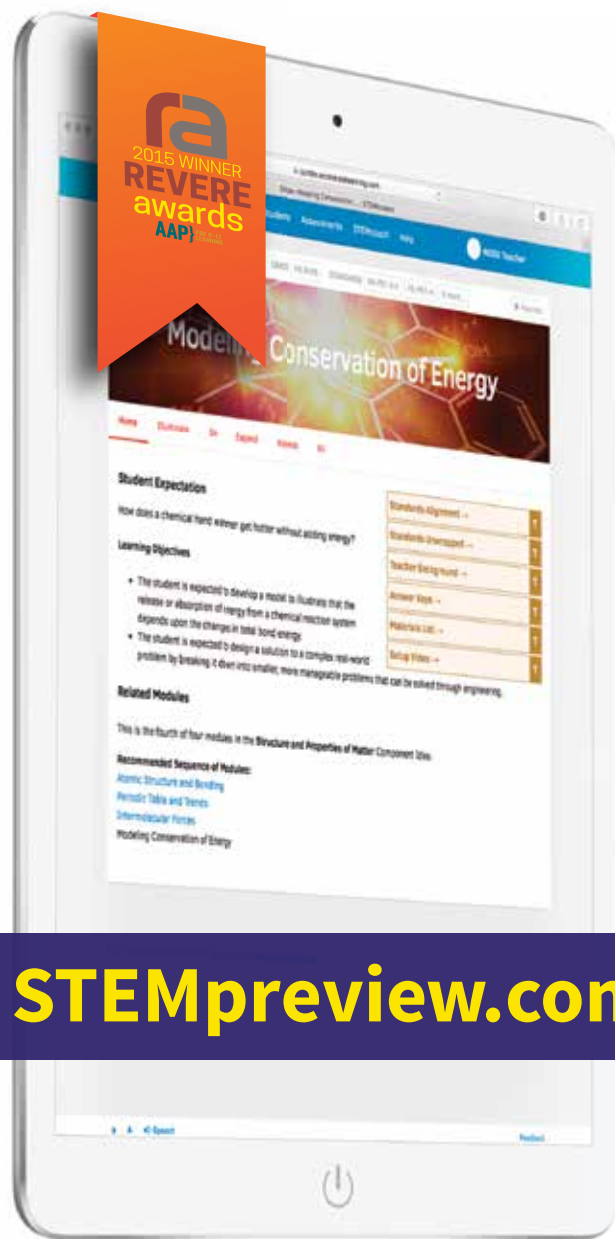
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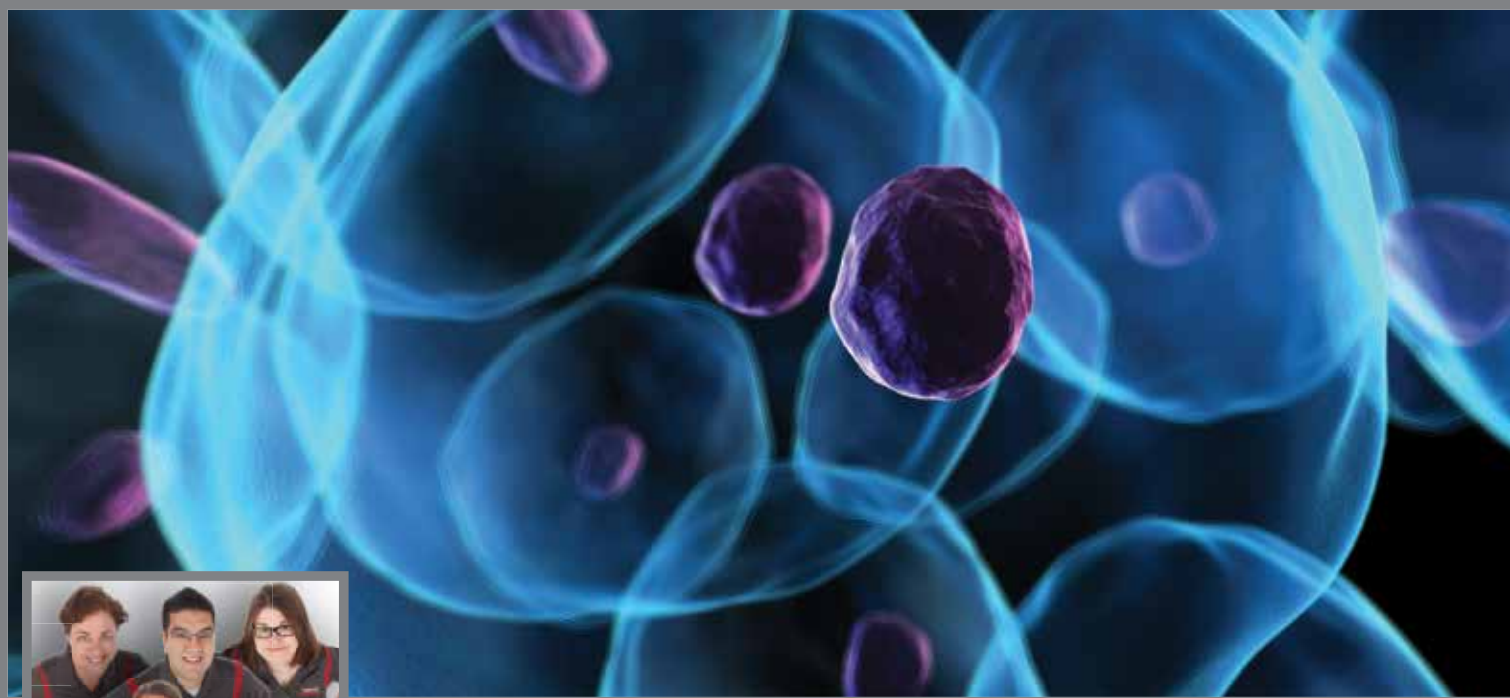
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Friday, April 1

- 8:00 – 9:30 a.m. Outbreaking Bad!!
- 10:00 – 11:30 a.m. Apply the Science of Energy, Motion, and Friction
- 12:00 – 1:30 p.m. Fracking the CASE
- 2:00 – 3:30 p.m. Grant Writing: Designing for Dollars
- 4:00 – 5:30 p.m. Chemistry of Wine

Saturday, April 2

- 8:00 – 9:30 a.m. Vampire Chronicles: Sink Your Teeth into Genetics and Blood Typing
- 10:00 – 11:30 a.m. Grant Writing: Pipelines, Partnerships, and Finding Funding
- 12:00 – 1:30 p.m. Let physics show how cars may really drive themselves in the future with the ERGOBOT!
- 2:00 – 3:30 p.m. Elementary Science Activity Jamboree
- 4:00 – 5:30 p.m. Physics of Music

Stop by Booth #142 to see our latest products and enter to win science prizes!

**ward's
science+**

*MCC stands for Music City Center

3D Molecular Designs (Booth #516)

Thursday, Mar 31	4:00–5:30 PM	214, MCC	Of All the Nerve!
Friday, Apr 1	2:00–3:30 PM	214, MCC	The Many Jobs of Proteins: Enzymes in the Spotlight
Saturday, Apr 2	12 Noon–1:30 PM	214, MCC	Constructing and Crossing Cell Membranes

Accelerate Learning—STEMscopes (Booth #520)

Thursday, Mar 31	8:00–9:30 AM	109, MCC	Assessment Writers Workshop
Thursday, Mar 31	10:00–11:30 AM	109, MCC	Successful Use of Argumentation in the STEM Classroom
Thursday, Mar 31	12 Noon–1:30 PM	109, MCC	Engineering Solutions in the STEM Classroom
Thursday, Mar 31	2:00–3:30 PM	109, MCC	The Secret to Project-Based Learning Success
Thursday, Mar 31	4:00–5:30 PM	109, MCC	The Failed EdTech Revolution

Activate Learning (Booth #1204)

Thursday, Mar 31	10:00–11:30 AM	214, MCC	Integrating Literacy and Science—The Wow Factor
Thursday, Mar 31	12 Noon–1:30 PM	214, MCC	Discourse Tools for Equitable and Rigorous Talk
Friday, Apr 1	10:00–11:30 AM	214, MCC	Making Critical Thinking More Than Just a Cliché Using Three-Dimensional Learning
Saturday, Apr 2	8:00–9:30 AM	214, MCC	Discourse Tools for Equitable and Rigorous Talk

Advancement Courses (Booth #1351)

Saturday, Apr 2	10:00–11:30 AM	207B, MCC	Using Fables to Scaffold Inquiry-Based STEM Instruction and the Engineering Design Process
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AEOP eCYBERMISSION (Booth #1046)

Thursday, Mar 31	10:00–11:30 AM	107B, MCC	Engineering Design in the Middle School Classroom
Friday, Apr 1	4:00–5:30 PM	107B, MCC	“Hard” Doesn’t Mean “Bad”

Albert Einstein Distinguished Educator Fellowship (Booth #1535)

Saturday, Apr 2	8:00–9:30 AM	107B, MCC	Albert Einstein Distinguished Educator Fellowship Program: Exciting Opportunities for K–12 STEM Educators to Influence Federal Programs and Policy in Washington, D.C.
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Amplify (Booth #308)

Thursday, Mar 31	8:00–9:30 AM	107B, MCC	Navigating the Shifts of the NGSS with Leaders from The Lawrence Hall of Science
Thursday, Mar 31	12 Noon–1:30 PM	107B, MCC	What Is Amplify Science? Learn About the Newest K–8 Curriculum from The Lawrence Hall of Science
Friday, Apr 1	8:00–9:30 AM	107B, MCC	Amplify Science for Grades K–5: Experience Three-Dimensional Teaching and Learning with the Newest Curriculum from The Lawrence Hall of Science
Friday, Apr 1	10:00–11:30 AM	107B, MCC	Amplify Science for Grades 6–8: Experience Three-Dimensional Teaching and Learning with the Newest Curriculum from The Lawrence Hall of Science

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ANATOMY IN CLAY® Learning System (Booth #926)

Thursday, Mar 31	10:00–11:30 AM	212, MCC	Understanding Muscle Concepts of Human Anatomy: Building It in Clay
Friday, Apr 1	8:00–9:30 AM	212, MCC	Human Anatomy Lab: Building from the Inside Out

Animalearn (Booth #924)

Friday, Apr 1	4:00–5:30 PM	212, MCC	Leap into the Future with Hands-On Science Teaching
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AquaPhoenix Education (Booth #1153)

Saturday, Apr 2	8:00–9:30 AM	209C, MCC	Implementing Three-Dimensional Learning
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Arbor Scientific (Booth #743)

Thursday, Mar 31	2:00–3:30 PM	202C, MCC	Cool Tools for Force and Motion
Friday, Apr 1	8:00–9:30 AM	202C, MCC	Cool Tools for Light and Color
Friday, Apr 1	2:00–3:30 PM	202C, MCC	Cool Tools for Sound and Waves

Backyard Brains, Inc. (Booth #156)

Thursday, Mar 31	10:00–11:30 AM	202C, MCC	Bringing Real Neuroscience and Neural Engineering into Your Classroom
Friday, Apr 1	12 Noon–1:30 PM	202C, MCC	Bringing Real Neuroscience and Neural Engineering into Your Classroom

Battle Creek Area Mathematics and Science Center (Booth #1143)

Saturday, Apr 2	8:00–9:30 AM	110B, MCC	Cereal City Science: Going Great Lengths Toward the NGSS
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Bedford, Freeman, & Worth Publishers (Booth #744)

Friday, Apr 1	8:00–9:30 AM	214, MCC	<i>Living By Chemistry</i> : What Shape Is That Smell?
Saturday, Apr 2	8:00–9:30 AM	210, MCC	<i>Living By Chemistry</i> : Pass the Proton—Acids and Bases

Bio-Rad Laboratories, Inc. (Booth #152)

Thursday, Mar 31	8:00–9:30 AM	208A, MCC	Contagion! Track the Progress of Dangerous Viruses That Are Spreading Throughout the Country
Thursday, Mar 31	8:00–9:30 AM	208B, MCC	Investigate Photosynthesis and Cellular Respiration with Algae Beads
Thursday, Mar 31	10:00–11:30 AM	208A, MCC	Improve Student Engagement Using Pop Culture in Your Life Science Class
Thursday, Mar 31	10:00–11:30 AM	208B, MCC	Enzymes: Technology Inspired by Nature
Thursday, Mar 31	2:00–3:30 PM	208B, MCC	ThINQ!™ About It: Bacterial Transformation, GMO Probiotics, and the Runs Make a Great Case Study for AP Biology
Thursday, Mar 31	2:00–3:30 PM	208A, MCC	Fast Electrophoresis
Thursday, Mar 31	4:00–5:30 PM	208B, MCC	Communicating Science Through Lab Notebooking
Thursday, Mar 31	4:00–5:30 PM	208A, MCC	Starting a Biotech Program: One Piece of Equipment at a Time
Friday, Apr 1	8:00–9:30 AM	208A, MCC	How to Use Pop Culture in Your Life Science Class
Friday, Apr 1	8:00–9:30 AM	208B, MCC	Preparing Tomorrow's Scientists: Issues in Inquiry-Based Life Science Education

Bio-Rad Laboratories, Inc. , continued

Friday, Apr 1	10:00–11:30 AM	208A, MCC	Project-Based Learning for High School: Sequencing a Plant Species
Friday, Apr 1	10:00–11:30 AM	208B, MCC	Investigate Photosynthesis and Cellular Respiration with Algae Beads
Friday, Apr 1	2:00–3:30 PM	208B, MCC	Upgrade Your Chemotaxis Lab! (Focuses on AP Biology Big Ideas 1–4)
Friday, Apr 1	2:00–3:30 PM	208A, MCC	Identify Patient Zero of a Zombie Apocalypse!
Friday, Apr 1	4:00–5:30 PM	208A, MCC	Science, Style, and Fun! Genes in a Bottle™ Kit
Friday, Apr 1	4:00–5:30 PM	208B, MCC	The GMO Debate Rages On!
Saturday, Apr 2	8:00–9:30 AM	208A, MCC	Get that Grant Money!
Saturday, Apr 2	10:00–11:30 AM	208A, MCC	NGSS in the High School Biology Classroom

BIOZONE International Ltd. (Booth #840)

Thursday, Mar 31	10:00–11:30 AM	202B, MCC	Engaging Students Effectively: The BIOZONE Solution for Grades 9–12
Friday, Apr 1	10:00–11:30 AM	202B, MCC	Biology for NGSS: A New Approach for a New Program (Grades 9–12)
Saturday, Apr 2	10:00–11:30 AM	202B, MCC	Earth and Space Sciences for NGSS: A New Program (Grades 9–12)

Bone Clones Inc. (Booth #1021)

Thursday, Mar 31	8:00–9:30 AM	214, MCC	Hominid Evolution Activity
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Bright Schools Competition (Booth #1045)

Friday, Apr 1	4:00–5:30 PM	202B, MCC	Engage Grades 6–8 Students in a Free STEM Competition Associated with Light and Sleep
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Carolina Biological Supply Co. (Booth #118)

Thursday, Mar 31	8:00–9:30 AM	204, MCC	Autopsy: Forensic Dissection Featuring Carolina's Perfect Solution® Pigs
Thursday, Mar 31	8:00–9:30 AM	205B, MCC	Keep Calm and Chemistry On: Successful Lab Activities for the New Chemistry Teacher
Thursday, Mar 31	8:00–9:30 AM	205A, MCC	Bring Visual Science into K–5 Classrooms—It's a Game Changer!
Thursday, Mar 31	10:00–11:30 AM	204, MCC	Introduction to Wisconsin Fast Plants®
Thursday, Mar 31	10:00–11:30 AM	205A, MCC	Modeling Beyond a Flashlight and Beach Ball
Thursday, Mar 31	10:00–11:30 AM	205B, MCC	They Come in Pairs: Using Socks to Identify and Address Student Misconceptions About Chromosomes
Thursday, Mar 31	12 Noon–1:30 PM	204, MCC	Genetics Brought to Life: Gene-ius Model Organisms
Thursday, Mar 31	12 Noon–1:30 PM	205A, MCC	EQuIP Your District for NGSS
Thursday, Mar 31	12 Noon–1:30 PM	205B, MCC	Strawberry Milkshakes: DNA and Lactose Intolerance
Thursday, Mar 31	2:00–3:30 PM	204, MCC	Hands-On Science with Classroom Critters
Thursday, Mar 31	2:00–3:30 PM	205A, MCC	Pushing and Pulling Your Teachers to NGSS
Thursday, Mar 31	2:00–3:30 PM	205B, MCC	Engineer Excitement in Your Classroom with a Carolina STEM Challenge®
Thursday, Mar 31	4:00–5:30 PM	204, MCC	Shark Dissection: A Jawsome Experience!
Thursday, Mar 31	4:00–5:30 PM	205B, MCC	Hands-On Activities to Model Habitat Preference and Population Sampling
Thursday, Mar 31	4:00–5:30 PM	205A, MCC	Argumentation—Claims, Evidence, and Reasoning Made Easy
Friday, Apr 1	8:00–9:30 AM	205A, MCC	Pushing and Pulling Your Teachers to NGSS

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Carolina Biological Supply Co., continued

Friday, Apr 1	8:00–9:30 AM	205B, MCC	Partners in Crime: Forensic Fingerprinting with the Professionals
Friday, Apr 1	8:00–9:30 AM	204, MCC	Comparative Vertebrate Anatomy with Carolina's Perfect Solution® Specimens
Friday, Apr 1	9:00–10:30 AM	Grand Blrm. C2, MCC	Beyond The Flipped Classroom: A Pedagogical Pilgrimage
Friday, Apr 1	10:00–11:30 AM	204, MCC	Hands-On Activities to Model Habitat Preference and Population Sampling
Friday, Apr 1	10:00–11:30 AM	205B, MCC	Engineer Hands-On Chemistry Fun with a Carolina STEM Challenge®!
Friday, Apr 1	10:00–11:30 AM	205A, MCC	Early Elementary Engineering with Smithsonian: What's New with STC3?
Friday, Apr 1	12 Noon–1:30 PM	205A, MCC	Modeling Beyond a Flashlight and Beach Ball
Friday, Apr 1	12 Noon–1:30 PM	204, MCC	Introduction to Wisconsin Fast Plants®
Friday, Apr 1	12 Noon–1:30 PM	205B, MCC	Top 10 for 2016: Genetics and Biotechnology Discoveries for Your Classroom
Friday, Apr 1	2:00–3:30 PM	205B, MCC	Keep Calm and Chemistry On: Successful Lab Activities for the New Chemistry Teacher
Friday, Apr 1	2:00–3:30 PM	205A, MCC	EQuIP Your District for NGSS
Friday, Apr 1	2:00–3:30 PM	204, MCC	Hands-On Science with Classroom Critters
Friday, Apr 1	4:00–5:30 PM	205A, MCC	Bring Visual Science into K–5 Classrooms—It's a Game Changer!
Friday, Apr 1	4:00–5:30 PM	205B, MCC	Picking Apart the Owl Pellet
Friday, Apr 1	4:00–5:30 PM	204, MCC	Carolina's Young Scientist™ Dissections with Carolina's Perfect Solution® Specimen
Saturday, Apr 2	8:00–9:30 AM	205B, MCC	Interactive Case Studies: Supplemental Software to Improve Critical Thinking in the Biology Classroom

Celestron (Booth #1218)

Thursday, Mar 31	4:00–5:30 PM	110A, MCC	BUGDORK! Using Insects to Engage Students and Inspire Learning
Friday, Apr 1	2:00–3:30 PM	110A, MCC	Structure and (Fun)ction: Arthropod Body Parts and Evolution
Saturday, Apr 2	10:00–11:30 AM	108, MCC	Stretch Your Legs for Science!

Chibitronics (Booth #1344)

Saturday, Apr 2	8:00–9:30 AM	208B, MCC	Circuits as Crayons: Crafting Interactive Circuits with Circuit Stickers
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Cogent Education (Booth #922)

Friday, Apr 1	12 Noon–1:30 PM	212, MCC	Interactive Case Studies for the Biology Classroom
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CPO Science/School Specialty Science (Booth #420)

Thursday, Mar 31	8:00–9:30 AM	201A, MCC	CPO's Chemistry Models Link™ Learning Module: Fun with Atom Building Games
Thursday, Mar 31	12 Noon–1:30 PM	201A, MCC	Building an Electric Motor the STEM Way with CPO's Link™ Learning Module
Thursday, Mar 31	2:00–3:30 PM	201A, MCC	CPO's Link™ Wind Turbine Learning Module: A STEM Approach to Engineering and Design
Thursday, Mar 31	4:00–5:30 PM	201A, MCC	Genetics: Crazy Traits and CPO's New Link™ Learning Module

CPO Science/School Specialty Science, continued

Friday, Apr 1	8:00–9:30 AM	201A, MCC	CPO's Link™ Learning Module Optics with Light and Color: Use Light to Learn About Light
Friday, Apr 1	12 Noon–1:30 PM	201A, MCC	Genetics: Crazy Traits and CPO's New Link™ Learning Module
Friday, Apr 1	2:00–3:30 PM	201A, MCC	CPO Science's New Physics AP1 Link™ Module: Rotational Motion Using the CPO Rollercoaster
Friday, Apr 1	4:00–5:30 PM	201A, MCC	CPO's Link™ Wind Turbine Learning Module: A STEM Approach to Engineering and Design

Delta Education/School Specialty Science (Booth #322)

Thursday, Mar 31	8:00–9:30 AM	202A, MCC	Engineering Design—Will It Sink or Float?
Thursday, Mar 31	10:00–11:30 AM	202A, MCC	PEASE in Our Time: Memory Lanes of the Brain
Thursday, Mar 31	12 Noon–1:30 PM	202A, MCC	Crosscutting Concepts and Argumentation Using Magnets and Electromagnetism
Thursday, Mar 31	2:00–3:30 PM	202A, MCC	What's Going on in There? NGSS and STEM for Administrators, Teacher Trainers, and University Faculty
Thursday, Mar 31	4:00–5:30 PM	202A, MCC	High-Flying Connections with Science and Literacy

Delta Education/School Specialty Science—FOSS (Booth #322)

Thursday, Mar 31	8:00–9:30 AM	201B, MCC	Ten Minutes to Improving Science Achievement
Thursday, Mar 31	10:00–11:30 AM	201B, MCC	What Does Argumentation Look Like in an Elementary Classroom?
Thursday, Mar 31	12 Noon–1:30 PM	201B, MCC	Floods, Heat Waves, and Hurricanes: Analyzing Evidence for a Changing Climate Using FOSS
Thursday, Mar 31	2:00–3:30 PM	201B, MCC	Engage Them Early—K–2 Science and Engineering Experiences with FOSS
Thursday, Mar 31	4:00–5:30 PM	201B, MCC	What Does Conceptual Modeling Look Like in Grades 5–7 Classrooms?
Friday, Apr 1	8:00–9:30 AM	201B, MCC	What Does Argumentation Look Like in an Elementary Classroom?
Friday, Apr 1	10:00–11:30 AM	201B, MCC	What to Look for in Physical Science Learning Progressions—Experience FOSS K–5
Friday, Apr 1	12 Noon–1:30 PM	201B, MCC	Modeling Energy Flow in Ecosystems: Developing Models in Middle School Life Science
Friday, Apr 1	2:00–3:30 PM	201B, MCC	Designing with FOSS: Engineering in Elementary Science
Friday, Apr 1	4:00–5:30 PM	201B, MCC	Archaea and the Three Domains: Classification of Life for Middle School

Dinah.com (Booth #1246)

Friday, Apr 1	8:00–9:30 AM	202B, MCC	Observing and Inferring in the Science Classroom: New Tips, Tools, and a Twist from Dinah Zike's Notebooking Central
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Discovery Education (Booth #642)

Thursday, Mar 31	8:00–9:30 AM	401 A/B, MCC	Engaging Students in Authentic Science Experiences Using Digital Tools
Thursday, Mar 31	10:00–11:30 AM	401 A/B, MCC	Personalizing Your Science Instruction
Thursday, Mar 31	12 Noon–1:30 PM	401 A/B, MCC	Bringing NGSS to the Classroom with Discovery Education
Thursday, Mar 31	2:00–3:30 PM	401 A/B, MCC	What Works? Science Techbook and Effective Professional Development
Thursday, Mar 31	4:00–5:30 PM	401 A/B, MCC	10 Creative Ways to Read, Write, and Think Like a Scientist

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Discovery Education, continued

Friday, Apr 1	8:00–9:30 AM	401 A/B, MCC	10 Creative Ways to Read, Write, and Think Like a Scientist
Friday, Apr 1	10:00–11:30 AM	401 A/B, MCC	What Works? Science Techbook and Effective Professional Development
Friday, Apr 1	12 Noon–1:30 PM	401 A/B, MCC	Bringing NGSS to the Classroom with Discovery Education
Friday, Apr 1	2:00–3:30 PM	401 A/B, MCC	Personalizing Your Science Instruction
Friday, Apr 1	4:00–5:30 PM	401 A/B, MCC	Engaging Students in Authentic Science Experiences Using Digital Tools

Disney Youth Programs (Booth #844)

Thursday, Mar 31	4:00–5:30 PM	212, MCC	A Peek Behind the Curtain: Disney Parks Approach to Physics and Energy
Friday, Apr 1	2:00–3:30 PM	212, MCC	A Peek Behind the Curtain: Disney Parks Approach to Physics and Energy
Saturday, Apr 2	10:00–11:30 AM	212, MCC	A Peek Behind the Curtain: Disney Parks Approach to Physics and Energy

Educational Innovations, Inc. (Booths #1026/ #1126)

Friday, Apr 1	8:00–9:30 AM	202A, MCC	What the Heck Happened!?
Friday, Apr 1	10:00–11:30 AM	202A, MCC	Fantastical Chemistry Demos for All Classrooms
Friday, Apr 1	12 Noon–1:30 PM	202A, MCC	Cool! Can We Do That Again!?
Friday, Apr 1	2:00–3:30 PM	202A, MCC	Elementary Teacher Survival Kit
Friday, Apr 1	4:00–5:30 PM	202A, MCC	Magnify Your Mind!...with The Private Eye®
Saturday, Apr 2	10:00–11:30 AM	202A, MCC	3-2-1 Blast Off!

Edvotek Inc. (Booth #606)

Thursday, Mar 31	8:00–9:00 AM	210, MCC	Teaching STEM Using Agarose Gel Electrophoresis
Thursday, Mar 31	9:30–10:30 AM	210, MCC	Case of the Missing Records
Thursday, Mar 31	11:00 AM–12 Noon	210, MCC	Exploring the Genetics of Taste: SNP Analysis of the PTC Gene Using PCR
Thursday, Mar 31	12:30–1:30 PM	210, MCC	Using Biotechnology to Diagnose HIV/AIDS
Thursday, Mar 31	2:00–3:00 PM	210, MCC	Detecting the Silent Killer: Clinical Detection of Diabetes
Thursday, Mar 31	3:30–4:30 PM	210, MCC	The Drunken Worms: Exploring Gene Function with <i>C. elegans</i>

ETA hand2mind (Booth #408)

Saturday, Apr 2	12 Noon–1:30 PM	208B, MCC	From “Science Is for Others” to “Science Is for Me”—Hands-On Modules to Engage All Students
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FIRST (Booth #255)

Thursday, Mar 31	10:00–11:30 AM	110A, MCC	Use Robots to Engage Elementary/Middle School Students with Hands-On Project-Based Learning
Friday, Apr 1	4:00–5:30 PM	107A, MCC	Build a Robot Using an Android App: FIRST® Tech Challenge Extends STEM Learning Beyond the Middle School and High School Classroom

Fisher Science Education (Booth #544)

Friday, Apr 1	8:00–9:30 AM	210, MCC	Is Cancer in My DNA?
Friday, Apr 1	10:00–11:30 AM	210, MCC	The STEM Design Challenge
Friday, Apr 1	2:00–3:30 PM	210, MCC	A Better Approach to Chemistry
Friday, Apr 1	4:00–5:30 PM	210, MCC	Telescopes for Your Classroom

Flinn Scientific, Inc. (Booth #333)

Thursday, Mar 31	10:00–11:30 AM	209A, MCC	Flinn Favorite Biology Lab Activities and Games
Thursday, Mar 31	12 Noon–1:30 PM	209A, MCC	Year-Round Solutions for Success in AP Chemistry from Flinn Scientific
Thursday, Mar 31	2:00–3:30 PM	209A, MCC	Teaching Forensics with Real Crime Scene Investigation Techniques from Flinn Scientific
Thursday, Mar 31	4:00–5:30 PM	209A, MCC	Building or Renovating a Laboratory? Get Your Questions Answered!
Friday, Apr 1	8:00–9:30 AM	209A, MCC	Fantastic Physical Science Demonstrations from Flinn Scientific
Friday, Apr 1	10:00–11:30 AM	209A, MCC	Infusing Inquiry and Demonstrations into AP Biology
Friday, Apr 1	10:00–11:30 AM	Davidson C, MCC	Flinn Scientific's Morning of Chemistry: Taking Over the Music City with Science
Friday, Apr 1	12 Noon–1:30 PM	209A, MCC	Flinn Scientific's STEM Design Challenge™ "Build-It-Yourself" Lab Project
Friday, Apr 1	2:00–3:30 PM	209A, MCC	Flinn Scientific's Exploring Chemistry™: Connecting Content through Experiments
Friday, Apr 1	4:00–5:30 PM	209A, MCC	New Inquiry Investigations for AP Physics 1 from Flinn Scientific
Saturday, Apr 2	10:00–11:30 AM	209A, MCC	Enhance Your AP Chemistry Course with POGIL™ Activities
Saturday, Apr 2	12 Noon–1:30 PM	209A, MCC	Hands-On Integrated Science Activities for Middle School from Flinn Scientific

Frey Scientific/School Specialty Science (Booth #521)

Thursday, Mar 31	10:00–11:30 AM	201A, MCC	Inquiry Investigations into Environmental Issues
Friday, Apr 1	10:00–11:30 AM	201A, MCC	Solving the Mystery of STEM Using Forensic Science

G-Biosciences (Booth #1005)

Friday, Apr 1	2:00–3:30 PM	209C, MCC	Biotech Is STEM !
Saturday, Apr 2	8:00–9:30 AM	212, MCC	Proteins Are the Cash of Biotech

HHMI BioInteractive (Booth #822)

Thursday, Mar 31	8:00–9:30 AM	207B, MCC	HHMI BioInteractive's Evolution Resources in Your NGSS Classroom
Thursday, Mar 31	10:00–11:30 AM	207B, MCC	BioInteractive's Free Resources to Teach Math, Statistics, and Data Analysis
Thursday, Mar 31	12 Noon–1:30 PM	207B, MCC	Use Free BioInteractive Resources to Build Evolutionary Trees from DNA Sequence Data
Thursday, Mar 31	2:00–3:30 PM	207B, MCC	Using Biotechnology to Target Disease
Thursday, Mar 31	2:00–3:30 PM	212, MCC	Learning to MELP: An Innovative and Integrated Approach to Embedding Environmental Literacy into Curriculum
Friday, Apr 1	8:00–9:30 AM	207B, MCC	Welcome to the Anthropocene: Free Teaching Resources for a New Era
Friday, Apr 1	10:00–11:30 AM	207B, MCC	Patterns and Processes in Ecology
Friday, Apr 1	12 Noon–1:30 PM	207B, MCC	Inquiry-Based Ecology Using a Citizen Science Trail Camera Project
Friday, Apr 1	2:00–3:30 PM	207B, MCC	Using Primary Literature to Teach Data Literacy
Friday, Apr 1	4:00–5:30 PM	207B, MCC	Human Evolution in Living Color

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Houghton Mifflin Harcourt (Booth #1240)

Thursday, Mar 31	8:00–9:30 AM	202B, MCC	Awesome, Engaging, and Motivating STEM Activities
Thursday, Mar 31	12 Noon–1:30 PM	202B, MCC	Awesome, Engaging, and Motivating STEM Activities
Thursday, Mar 31	2:00–3:30 PM	202B, MCC	Awesome, Engaging, and Motivating STEM Activities
Friday, Apr 1	12 Noon–1:30 PM	202B, MCC	Sparking Interest with Chemistry
Saturday, Apr 2	8:00–9:30 AM	202B, MCC	Self-Propelled Vehicles! Constructing Engaging Engineering Experiences Using NGSS Performance Expectations
Saturday, Apr 2	12 Noon–1:30 PM	202B, MCC	Sparking Interest with Chemistry
Saturday, Apr 2	2:00–3:30 PM	202B, MCC	Wind Turbines and Fruit Batteries! Constructing Engaging Engineering Experiences Using NGSS Performance Expectations

Inq-ITS (Booth #1336)

Saturday, Apr 2	8:00–9:30 AM	202C, MCC	Tracking Student Growth in Science Practices
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It's About Time (Booth #1140)

Thursday, Mar 31	8:00–9:30 AM	209C, MCC	Active Chemistry: The Leading Project-Based High School Chemistry Program Capturing the Essence of the NGSS and STEM
Thursday, Mar 31	10:00–11:30 AM	209C, MCC	Active Physics: The Leading Project-Based High School Physics Program Capturing the Essence of the NGSS and STEM
Thursday, Mar 31	12 Noon–1:30 PM	209C, MCC	Engineering in the NGSS: New Curricula for New Standards
Thursday, Mar 31	2:00–3:30 PM	209C, MCC	Experience What It Means to Engage Learners in Three-Dimensional Learning Using Project-Based Learning
Thursday, Mar 31	4:00–5:00 PM	209C, MCC	Project-Based Earth Science: Engaging Students in Real-World Issues
Friday, Apr 1	8:00–9:30 AM	209C, MCC	Project-Based Inquiry Science™ (PBIS): Creating “Coherence and Science Storylines” for Middle School Science—Grades 6–8
Friday, Apr 1	10:00–11:30 AM	209C, MCC	Debunking the Myths of Project-Based Learning: Yes We CAN!

Kendall Hunt Publishing Co. (Booth #515)

Saturday, Apr 2	8:00–9:30 AM	206 A/B, MCC	Forensic Science for High School, 3rd Edition
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K'NEX Education® (Booth #607)

Thursday, Mar 31	8:30–9:30 AM	108, MCC	Build, Program, and Control with K'NEX Education's New Robotics Building System
Thursday, Mar 31	10:00–11:00 AM	108, MCC	Off to the Races with K'NEX Education's Forces, Energy, and Motion Set!
Thursday, Mar 31	11:30 AM–12:30 PM	108, MCC	Build, Program, and Control with K'NEX Education's New Robotics Building System
Thursday, Mar 31	1:30–2:30 PM	108, MCC	Forensic DNA Activities and More with K'NEX Education's DNA, Replication, and Transcription Set
Thursday, Mar 31	3:00–4:00 PM	108, MCC	Build, Program, and Control with K'NEX Education's New Robotics Building System
Friday, Apr 1	8:30–9:30 AM	108, MCC	Forensic DNA Activities and More with K'NEX Education's DNA, Replication, and Transcription Set
Friday, Apr 1	10:00–11:00 AM	108, MCC	Build, Program, and Control with K'NEX Education's New Robotics Building System
Friday, Apr 1	11:30 AM–12:30 PM	108, MCC	Build, Program, and Control with K'NEX Education's New Robotics Building System
Friday, Apr 1	1:30–2:30 PM	108, MCC	Off to the Races with K'NEX Education's Forces, Energy, and Motion Set!
Friday, Apr 1	3:00–4:00 PM	108, MCC	Build, Program, and Control with K'NEX Education's New Robotics Building System

LAB-AIDS®, Inc. (Booth #915)

Thursday, Mar 31	8:00–9:30 AM	205C, MCC	Calling All Carbons
Thursday, Mar 31	10:00–11:30 AM	205C, MCC	Prospecting for Mineral Ore
Thursday, Mar 31	12 Noon–1:30 PM	205C, MCC	Using Climate Proxies to Learn About Earth’s Climate History
Thursday, Mar 31	2:00–3:30 PM	205C, MCC	One in a Million
Thursday, Mar 31	4:00–5:30 PM	205C, MCC	Chemical Formula and Amino Acids
Friday, Apr 1	8:00–9:30 AM	205C, MCC	Photosynthesis and Respiration Shuffle
Friday, Apr 1	10:00–11:30 AM	205C, MCC	Gas Exchange
Friday, Apr 1	12 Noon–1:30 PM	205C, MCC	Gene Expression
Friday, Apr 1	2:00–3:30 PM	205C, MCC	What Is a Species?
Friday, Apr 1	4:00–5:30 PM	205C, MCC	Reclaiming the Metal
Saturday, Apr 2	8:00–9:30 AM	205C, MCC	Convection Currents and Plate Motion
Saturday, Apr 2	10:00–11:30 AM	205C, MCC	Waves

LaMotte Co. (Booth #1015)

Thursday, Mar 31	10:00–11:30 AM	107A, MCC	Stream Ecology: Slimy Leaves for Healthy Streams
Thursday, Mar 31	12 Noon–1:30 PM	107A, MCC	Stream Ecology: Slimy Leaves for Healthy Streams
Friday, Apr 1	10:00–11:30 AM	107A, MCC	AP Environmental: Using Your Stream to Teach STEM-Based Skills
Saturday, Apr 2	8:00–9:30 AM	107A, MCC	AP Environmental: Using Your Stream to Teach STEM-Based Skills

LEGO Education (Booths #341 / #358)

Thursday, Mar 31	10:00–11:30 AM	211, MCC	Make Science Come to Life
Thursday, Mar 31	12 Noon–1:30 PM	211, MCC	Make Science Come to Life
Thursday, Mar 31	2:00–3:30 PM	211, MCC	Make Science Come to Life
Thursday, Mar 31	4:00–5:30 PM	211, MCC	Make Science Come to Life
Friday, Apr 1	10:00–11:30 AM	211, MCC	Make Science Come to Life
Friday, Apr 1	12 Noon–1:30 PM	211, MCC	Make Science Come to Life
Friday, Apr 1	2:00–3:30 PM	211, MCC	Make Science Come to Life
Friday, Apr 1	4:00–5:30 PM	211, MCC	Make Science Come to Life
Saturday, Apr 2	10:00–11:30 AM	211, MCC	Make Science Come to Life
Saturday, Apr 2	12 Noon–1:30 PM	211, MCC	Make Science Come to Life
Saturday, Apr 2	2:00–3:30 PM	211, MCC	Make Science Come to Life

McDowell Farm School (Booth #948)

Saturday, Apr 2	10:00–11:30 AM	110B, MCC	McDowell Farm School: Integrating Best Practices in a Scientific Garden
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McGraw-Hill Education (Booth #1345)

Thursday, Mar 31	4:00–5:30 PM	202B, MCC	Accelerating Conceptual Understanding in K–5 Science Through Technology
Friday, Apr 1	8:00–9:30 AM	107A, MCC	Science Is NOT a Spectator Sport!
Friday, Apr 1	2:00–3:30 PM	202B, MCC	Science Vocabulary Has Kinetic Energy When It’s Moving
Saturday, Apr 2	8:00–9:30 AM	201B, MCC	Engagement Unlocked! Using Learning Games for STEM

Measured Progress (Booth #304)

Friday, Apr 1	8:00–9:30 AM	209B, MCC	Engage with NGSS Using STEM Gauge™
Saturday, Apr 2	8:00–9:30 AM	209B, MCC	Engage with NGSS Using STEM Gauge™

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Microsoft (Booth #1335)

Thursday, Mar 31	8:00–9:30 AM	202C, MCC	Development of a Science Maker Kit for Inquiry-Based Teaching: Ideation and Feedback
Thursday, Mar 31	4:00–5:30 PM	202C, MCC	Understanding the Community Impact of Environmental Hazards: Developing a Project-Based Learning Challenge from Start to Finish Using Microsoft Tools
Friday, Apr 1	12 Noon–1:30 PM	110A, MCC	The Differentiated Classroom in One Package: Teaching Science Inquiry to Modern Learners Using Microsoft Surface and Apps
Friday, Apr 1	4:00–5:30 PM	110A, MCC	Getting to Know Creative Coding Through Games and Apps
Saturday, Apr 2	8:00–9:30 AM	110A, MCC	Development of a Science Maker Kit for Inquiry-Based Teaching: Ideation and Feedback
Saturday, Apr 2	10:00–11:30 AM	110A, MCC	Understanding the Community Impact of Environmental Hazards: Developing a Project-Based Learning Challenge from Start to Finish Using Microsoft Tools
Saturday, Apr 2	1:00–2:30 PM	110A, MCC	Getting to Know the Creative Coding Through Games and Apps (CCGA) Course Content
Saturday, Apr 2	3:00–4:30 PM	110A, MCC	The Differentiated Classroom in One Package: Teaching Science Inquiry to Modern Learners Using Microsoft Surface and Apps

The MiniOne™ Electrophoresis (Booth #816)

Friday, Apr 1	2:00–3:30 PM	107A, MCC	MiniOne™ Electrophoresis: Revolutionizing Biotechnology in Real Time
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miniPCR (Booth #1333)

Friday, Apr 1	10:00–11:30 AM	202C, MCC	Genes in Space: Send Your DNA Experiment to the International Space Station (ISS)
Friday, Apr 1	4:00–5:30 PM	202C, MCC	DNA Crime Lab with miniPCR Technology

MSOE Center for BioMolecular Modeling (Booth #518)

Thursday, Mar 31	2:00–3:30 PM	214, MCC	Genes, Genomes, and Personalized Medicine
Friday, Apr 1	12 Noon–1:30 PM	214, MCC	Telling Molecular Stories with David Goodsell's Cellular Landscapes
Saturday, Apr 2	10:00–11:30 AM	214, MCC	Let's Get Helical

Nano-Link: Center for Nanotechnology Education (Booth #1354)

Saturday, Apr 2	12 Noon–1:30 PM	201B, MCC	Learning Through Hands-On Activities
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National Agriculture in the Classroom (Booth #1113)

Saturday, Apr 2	8:00–9:30 AM	108, MCC	Contextualizing Science Literacy with Agriculture
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National Geographic (Booth #749)

Saturday, Apr 2	10:00–11:30 AM	208B, MCC	National Geographic Educator Certification Program
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National Geographic Learning (Booth #750)

Thursday, Mar 31	12 Noon–1:30 PM	209B, MCC	CONNECTIONS: Three-Dimensional Learning by National Geographic Explorers
Thursday, Mar 31	4:00–5:30 PM	209B, MCC	National Geographic Explorers: Ideal Role Models of STEM

NOAA Ocean Service (Booth #1423)

Saturday, Apr 2	9:00–10:30 AM	201A, MCC	Climate Changes Series I: Polar Popsicles—Life in the Ice Climate Change Series II: Bringing Climate Change Closer to Home: U.S. Forest Service Climate Change Education Resources
Saturday, Apr 2	10:45–11:45 AM	201A, MCC	
Saturday, Apr 2	12:15–1:15 PM	201A, MCC	Climate Change Series III: ClimateChangeLIVE: Engage Your Students in Learning and Being Part of the Climate Solution!
Saturday, Apr 2	1:30–2:30 PM	201A, MCC	Climate Change Series IV: NOAA Climate Stewards
Saturday, Apr 2	2:45–3:45 PM	201A, MCC	Climate Change Series V: Use NGSS as a Pathway to Climate Literacy
Saturday, Apr 2	4:00–5:00 PM	201A, MCC	Climate Change Series VI: Climate Games and Simulations

Northrop Grumman Foundation (Booth #442)

Saturday, Apr 2	2:00–3:30 PM	208B, MCC	ECO Classroom: Free Experiential Learning in the Rainforests of Costa Rica
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Nutrients for Life Foundation (Booth #1226)

Friday, Apr 1	12 Noon–1:30 PM	209B, MCC	Feeding the World & Protecting the Environment
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PASCO scientific (Booth #622)

Thursday, Mar 31	8:00–9:00 AM	206 A/B, MCC	Engineering Bumpers and NGSS: Hands-On Physics with PASCO's New Wireless Smart Cart!
Thursday, Mar 31	9:30–10:30 AM	206 A/B, MCC	Wireless Spectrometry to Investigate Light Emission, Colored Solutions, Plant Pigments, Solution Concentration, and Reaction Kinetics!
Thursday, Mar 31	11:00 AM–12 Noon	206 A/B, MCC	Project-Based Activities with Wireless Sensors to Meet Gas Laws and Stoichiometry Chemistry Standards
Thursday, Mar 31	12:30–1:30 PM	206 A/B, MCC	Environmental Science Using Wireless Sensors
Thursday, Mar 31	2:00–3:00 PM	206 A/B, MCC	Using Wireless Sensors in Enzyme Activity and Cellular Respiration Labs
Thursday, Mar 31	3:30–4:30 PM	206 A/B, MCC	Sensor-Based Labs to Address NGSS Standards for Middle School Life, Earth, and Physical Science
Friday, Apr 1	8:00–9:00 AM	206 A/B, MCC	Engineering Bumpers and NGSS: Hands-On Physics with PASCO's New Wireless Smart Cart!
Friday, Apr 1	9:30–10:30 AM	206 A/B, MCC	Wireless Spectrometry to Investigate Light Emission, Colored Solutions, Plant Pigments, Solution Concentration, and Reaction Kinetics!
Friday, Apr 1	11:00 AM–12 Noon	206 A/B, MCC	Project-Based Activities with Wireless Sensors to Meet Gas Laws and Stoichiometry Chemistry Standards
Friday, Apr 1	12:30–1:30 PM	206 A/B, MCC	Environmental Science Using Wireless Sensors
Friday, Apr 1	2:00–3:00 PM	206 A/B, MCC	Using Wireless Sensors in Enzyme Activity and Cellular Respiration Labs
Friday, Apr 1	3:30–4:30 PM	206 A/B, MCC	Sensor-Based Labs to Address NGSS Standards for Middle School Life, Earth, and Physical Science

Pearson Education (Booth #612)

Thursday, Mar 31	8:00–9:30 AM	110B, MCC	Using Problem-Based Learning to Up Your NGSS Game
Thursday, Mar 31	10:00–11:30 AM	110B, MCC	Welcome to the Anthropocene: Using Global Change to Teach NGSS Crosscutting Concepts and Core Ideas in Biology and Earth Science
Thursday, Mar 31	12 Noon–1:30 PM	110B, MCC	Using the Pearson Virtual Laboratories to Implement the NGSS
Thursday, Mar 31	2:00–3:30 PM	110B, MCC	STEM and NGSS Inquiry in Chemistry: Effective, Efficient, Economical
Thursday, Mar 31	4:00–5:30 PM	110B, MCC	STEM Beyond the Classroom
Friday, Apr 1	8:00–9:30 AM	110B, MCC	Take Your Students On a Quest! A Real-World Problem-Based Learning Project That Incorporates All Three Dimensions of NGSS
Friday, Apr 1	10:00–11:30 AM	110B, MCC	New and Emerging Infectious Diseases: Host-Pathogen Relationships Highlight NGSS Core Concepts and the Value of Vaccination
Friday, Apr 1	12 Noon–1:30 PM	110B, MCC	The Best Test Prep Book Ever for AP Chemistry
Friday, Apr 1	2:00–3:30 PM	110B, MCC	New Tools, New Insights, and New Ways of Understanding Science with <i>Miller and Levine Biology</i>
Friday, Apr 1	4:00–5:30 PM	110B, MCC	Teaching Evolution in a Climate of Controversy—Even with NGSS, the Battles Continue

Perimeter Institute for Theoretical Physics (Booth #1219)

Thursday, Mar 31	2:00–3:30 PM	107B, MCC	How Do Scientists Think?
Thursday, Mar 31	4:00–5:30 PM	107B, MCC	What's New in Physics?
Friday, Apr 1	12 Noon–1:30 PM	107B, MCC	Black Holes for Everyone: How You Can Teach Black Holes in Grade 9 Science
Friday, Apr 1	2:00–3:30 PM	107B, MCC	Black Holes for High School Physics

Perimeter Institute for Theoretical Physics, continued

Saturday, Apr 2	10:00–11:30 AM	107B, MCC	The Expanding Universe
Saturday, Apr 2	12 Noon–1:30 PM	107B, MCC	Spicing Up Classical Physics Using Modern Examples

The Perry Initiative (Booth #1350)

Thursday, Mar 31	12 Noon–1:30 PM	212, MCC	Orthopaedics In Action
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Pitsco Education (Booth #352)

Thursday, Mar 31	4:00–5:30 PM	107A, MCC	Science of Speed: The Fusion of Competition, Creativity, and STEM Learning
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PlayMada Games (Booth #1434)

Saturday, Apr 2	10:00–11:30 AM	206 A/B, MCC	Collisions™: Reconceptualizing Chemistry Through Gameplay
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SAE International—A World In Motion Program (Booth #609)

Thursday, Mar 31	8:00–9:30 AM	107A, MCC	STEM and Literature
Friday, Apr 1	12 Noon–1:30 PM	209C, MCC	STEM Fun in the Elementary Classroom
Saturday, Apr 2	12 Noon–1:30 PM	209C, MCC	SAE Middle School Educational Offerings

Scholastic, Inc. (Booth #414)

Friday, Apr 1	10:00–11:30 AM	212, MCC	Using Science Magazines to Engage Your Students
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Science First®/STARLAB® (Booth #1114)

Thursday, Mar 31	12:30–1:00 PM	Booth #1114, Exhibit Hall, MCC	The Solid Earth
Friday, Apr 1	2:00–2:30 PM	Booth #1114, Exhibit Hall, MCC	The Change of Seasons

Shape of Life (Booth #1121)

Friday, Apr 1	4:00–5:30 PM	209B, MCC	The REAL Story of the Animal Kingdom on Planet Earth
Saturday, Apr 2	10:00–11:30 AM	209C, MCC	The REAL Story of the Animal Kingdom on Planet Earth

Simulation Curriculum Corp. (Booth #834)

Thursday, Mar 31	10:00–11:30 AM	209B, MCC	Plate Tectonics: Continents on the Move
Thursday, Mar 31	2:00–3:30 PM	209B, MCC	Plate Tectonics: The Good, the Bad, and the Ugly
Friday, Apr 1	10:00–11:30 AM	209B, MCC	Pluto: New Horizons and Beyond
Saturday, Apr 2	10:00–11:30 AM	209B, MCC	Life Cycle of Stars: From Birth to Catastrophic Death

Society for Neuroscience (Booth #301)

Saturday, Apr 2	10:00–11:30 AM	201B, MCC	The Truth Behind Brain-Based Learning
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StellarXplorers (Booth #1022)

Friday, Apr 1	4:00–5:30 PM	214, MCC	Let's Get into Orbit/Charting a Course to the Stars
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Stratasys (Booth #300)

Saturday, Apr 2	10:00–11:30 AM	204, MCC	Implementing 3D Printing Across the K–12 Curriculum
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Teachers Curriculum Institute (Booth #256)

Thursday, Mar 31	2:00–3:30 PM	107A, MCC	Inspire Students to Jump to the Inquiry Arc
Friday, Apr 1	12 Noon–1:30 PM	107A, MCC	Analyzing and Interpreting Data Using TCI's Bring Learning Alive!
Saturday, Apr 2	10:00–11:30 AM	107A, MCC	Modeling the Earth, Sun, and Other Stars with Bring Science Alive!

Texas Instruments (Booth #108)

Thursday, Mar 31	8:00–9:30 AM	110A, MCC	Zombie Apocalypse!
Thursday, Mar 31	12 Noon–1:30 PM	110A, MCC	Body of Evidence: A Forensic Science Mystery!
Thursday, Mar 31	2:00–3:30 PM	110A, MCC	Giant Squid and a Space Station!
Friday, Apr 1	8:00–9:30 AM	110A, MCC	One Small Step...to Mars!
Friday, Apr 1	10:00–11:30 AM	110A, MCC	Zombie Apocalypse!
Saturday, Apr 2	8:00–9:30 AM	207B, MCC	Zombie Apocalypse!

U.S. Department of Energy Office of Nuclear Energy (Booth #1253)

Friday, Apr 1	4:00–5:30 PM	209C, MCC	The Harnessed Atom: New Project Ideas, Tools, and Resources—Nuclear Science and Energy
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U.S. Fish and Wildlife Service (Booth #1316)

Saturday, Apr 2	10:00–11:30 AM	210, MCC	Engaging Your Students Through the U.S. Fish & Wildlife Service's Conservation Connect
Saturday, Apr 2	12 Noon–1:30 PM	210, MCC	Citizen Science—From Classroom to Field with the U.S. Fish and Wildlife Service

Van Andel Education Institute Science Academy (Booth #706)

Thursday, Mar 31	12 Noon–1:30 PM	202C, MCC	No Great Science Student (NGSS) Left Behind with NexGen Inquiry™
Saturday, Apr 2	10:00–11:30 AM	202C, MCC	No Great Science Student (NGSS) Left Behind with NexGen Inquiry™

Vernier Software & Technology (Booth #134)

Thursday, Mar 31	8:00–9:30 AM	207D, MCC	Middle School Science with Vernier
Thursday, Mar 31	8:00–9:30 AM	207C, MCC	Environmental Science with Vernier
Thursday, Mar 31	10:00–11:30 AM	207C, MCC	Chemistry with Vernier
Thursday, Mar 31	10:00–11:30 AM	207D, MCC	Integrating Chromebook with Vernier Technology
Thursday, Mar 31	12 Noon–1:30 PM	207D, MCC	iPad and Wireless Sensors with Vernier
Thursday, Mar 31	12 Noon–1:30 PM	207C, MCC	Biology with Vernier
Thursday, Mar 31	2:00–3:30 PM	207D, MCC	Explore Motion with Vernier Video Physics for iOS
Thursday, Mar 31	2:00–3:30 PM	207C, MCC	Wind and Solar Energy Basics with Vernier
Thursday, Mar 31	4:00–5:30 PM	207C, MCC	Renewable Energy with KidWind and Vernier
Thursday, Mar 31	4:00–5:30 PM	207D, MCC	Advanced Physics with Vernier
Friday, Apr 1	8:00–9:30 AM	207C, MCC	Renewable Energy with KidWind and Vernier
Friday, Apr 1	8:00–9:30 AM	207D, MCC	Advanced Physics with Vernier
Friday, Apr 1	10:00–11:30 AM	207D, MCC	Physics with Vernier

Vernier Software & Technology, continued

Friday, Apr 1	10:00–11:30 AM	207C, MCC	Biology with Vernier
Friday, Apr 1	12 Noon–1:30 PM	207D, MCC	Integrating Chromebook with Vernier Technology
Friday, Apr 1	12 Noon–1:30 PM	207C, MCC	Water Quality with Vernier
Friday, Apr 1	2:00–3:30 PM	207C, MCC	Inquiry-Based Biology with Vernier
Friday, Apr 1	2:00–3:30 PM	207D, MCC	iPad and Wireless Sensors with Vernier
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Friday, Apr 1	4:00–5:30 PM	207C, MCC	Chemistry with Vernier
Saturday, Apr 2	8:00–9:30 AM	207D, MCC	Integrating Chromebook with Vernier Technology
Saturday, Apr 2	8:00–9:30 AM	207C, MCC	Chemistry with Vernier
Saturday, Apr 2	10:00–11:30 AM	207C, MCC	Inquiry-Based Chemistry with Vernier
Saturday, Apr 2	10:00–11:30 AM	207D, MCC	Elementary Science with Vernier
Saturday, Apr 2	12 Noon–1:30 PM	207C, MCC	Biology with Vernier
Saturday, Apr 2	12 Noon–1:30 PM	207D, MCC	Physics with Vernier
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Saturday, Apr 2	2:00–3:30 PM	207D, MCC	Introductory Engineering Design Projects with Vernier

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Thursday, Mar 31	10:00–11:30 AM	207A, MCC	Forces, Interactions, and Energy, Oh My!
Thursday, Mar 31	12 Noon–1:30 PM	207A, MCC	Introduction to BioBuilder
Thursday, Mar 31	2:00–3:30 PM	207A, MCC	Lift Weight and Produce Electricity with the Power of Wind
Thursday, Mar 31	4:00–5:30 PM	207A, MCC	CTE: Real-Life Forensics Brought to the Classroom, Solving the Case
Friday, Apr 1	8:00–9:30 AM	207A, MCC	Outbreaking Bad!
Friday, Apr 1	10:00–11:30 AM	207A, MCC	Apply the Science of Energy, Motion, and Friction
Friday, Apr 1	12 Noon–1:30 PM	207A, MCC	Fracking the CASE
Friday, Apr 1	2:00–3:30 PM	207A, MCC	Grant Writing: Designing for Dollars
Friday, Apr 1	4:00–5:30 PM	207A, MCC	Chemistry of Wine
Saturday, Apr 2	8:00–9:30 AM	207A, MCC	Vampire Chronicles: Sink Your Teeth into Genetics and Blood Typing
Saturday, Apr 2	10:00–11:30 AM	207A, MCC	Grant Writing: Pipelines, Partnerships, and Finding Funding
Saturday, Apr 2	12 Noon–1:30 PM	207A, MCC	Let Motion Show How Cars May Really Drive Themselves in the Future with the ERGOBOT!
Saturday, Apr 2	2:00–3:30 PM	207A, MCC	Elementary Science Activity Jamboree
Saturday, Apr 2	4:00–5:30 PM	207A, MCC	Physics of Music

Wavefunction, Inc. (Booth #1443)

Thursday, Mar 31	8:00–9:30 AM	212, MCC	Teaching Chemistry Effectively with Visualization and Simulation at the Molecular Level
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WhiteBox Learning (Booth #458)

Thursday, Mar 31	8:00–9:30 AM	209B, MCC	Project-Based STEM/Engineering
Friday, Apr 1	2:00–3:30 PM	209B, MCC	Project-Based STEM/Engineering

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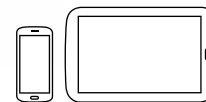
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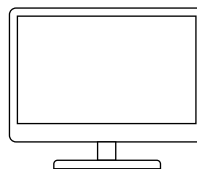
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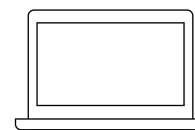
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