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NATIONAL CONFERENCE
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MARCH 12-15, 2015

#NSTA15

VOL. 4

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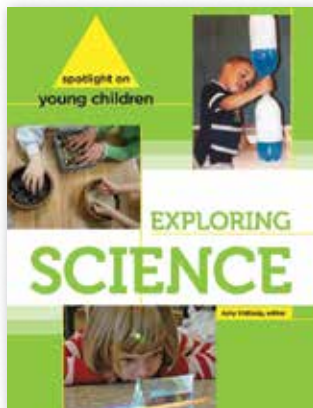
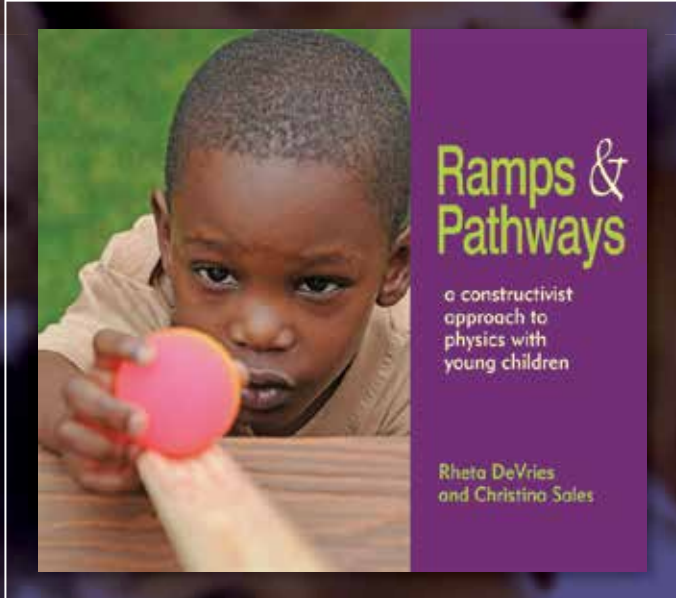
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NSTA 63rd National Conference on Science Education

Chicago: Great Lakes/Great Ideas

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National Science Teachers Association

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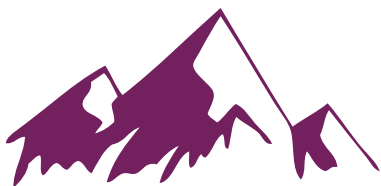
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Some exhibitors have classified their products by grade level and subject area. Subject areas are abbreviated here as follows:

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Environmental Science	EN
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Physics/Physical Science	PH
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 Website: www.sciencenetlinks.com

Science NetLinks is produced by the American Association for the Advancement of Science (AAAS). Science NetLinks provides a wealth of standards-supported science resources for K–12 educators and students, including lesson plans, interactives, podcasts, and news. All of Science NetLinks' resources are free, so be sure to come by the booth or check us out at www.sciencenetlinks.com.

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 Memphis, TN 38125-8538 5–12, College
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The American Association for Laboratory Animal Science (AALAS) Foundation is a non-profit organization dedicated to educational outreach on the role of responsible laboratory animal care and use in science to advance human and animal health. The AALAS Foundation provides free materials to assist educators in teaching students about biomedical research (including interactive online course curricula). We also offer free resources regarding career opportunities in the field of biomedical research.

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 Muncie, IN 47302
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 E-mail: jessys@modelaircraft.org
 Website: www.amaflightschool.org

The Academy of Model Aeronautics (AMA) founded in 1936 is the world's largest model aviation organization with over 160,000 members and 2,500 chartered clubs across the United States. The AMA is a nonprofit organization whose mission is to promote model aviation as an educational and fun, recreational activity for the whole family.

Accelerate Learning #1056
 5615 Kirby Dr., Suite 310 B, C, EA, EN,
 Houston, TX 77005 G, PH, PD
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 E-mail: david@acceleratelearning.com
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At Accelerate Learning, we help teachers adopt effective STEM instructional practices, improve student performance, and increase the engagement of students and parents through high-quality, customized, standards-focused, hands-on digital STEM curricula and resources.

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 Philadelphia, PA 19106-4404 9–12, College
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 E-mail: aacr@aacr.org
 Website: www.aacr.org

The American Association for Cancer Research (AACR) is the world's oldest and largest professional organization dedicated to advancing cancer research, with a mission to prevent and cure cancer through research, education, communication, and collaboration. Committed to the education and training of the next generation of cancer researchers, the AACR supports cancer educators and seeks to provide teachers with membership, classroom resources, and teaching tools.

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

American Chemical Society
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 Website: www.americangeosciences.org

The American Geosciences Institute, organizer of Earth Science Week, provides educational materials, resources and activities that bring excitement and insight to Earth science learning. The adventure starts here.

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 Washington, DC 20005
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American Nuclear Society #645
 C, EA, EN, PH, PD, T
 555 N. Kensington Ave. La Grange Park, IL 60526 5–12
 Phone: 708-579-8209
 E-mail: tcoble@ans.org
 Website: www.nuclearconnect.org

The American Nuclear Society (ANS) Center for Nuclear Science and Technology Information was created to foster interest in and increase understanding about nuclear science and technology. We conduct various educational events such as workshops for teachers and seminars for congressional staff.

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 PH
 1 Physics Ellipse College Park, MD 20740 1–12
 Phone: 301-209-3204
 E-mail: thompson@aps.org
 Website: www.physicscentral.com

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 PD
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The American Society of Plant Biologists presents hands-on, inquiry-based plant biology activities ready for use in K–12 and college classrooms. Meet plant biology researchers and educators to discover and discuss fun, thoughtful lab and classroom activities using plants to teach important principles of biology. For questions, contact katie@aspb.org.

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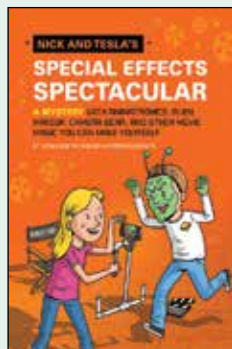
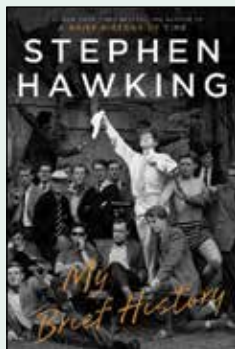
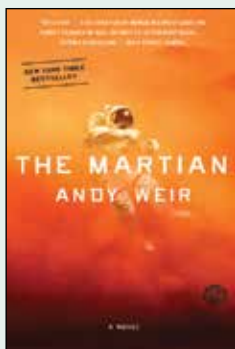
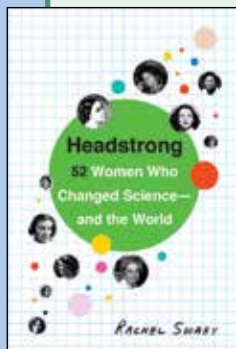
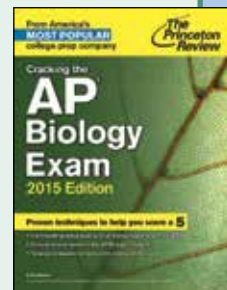
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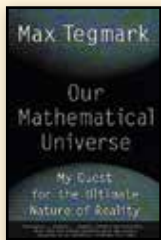
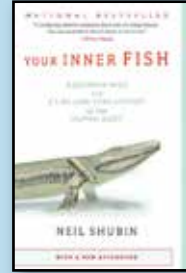


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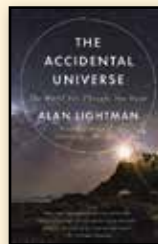
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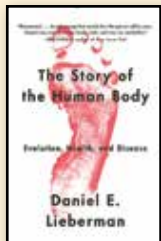


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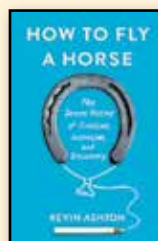


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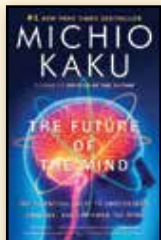


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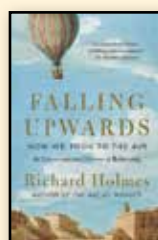
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All NESTA sessions are in the Hyatt Regency McCormick Place, Skyline W375e unless otherwise indicated

Friday, March 13

- 8:00 – 9:00 am **Earth Science Rocks! Using Earth Science Activities to Engage Students as Scientists**
- 9:30 – 10:30 am **NESTA Geology Share-a-Thon**
- 11:00 am – noon **NESTA Climate, Ocean and Atmosphere Share-a-Thon**
- 12:30 – 1:30 pm **NESTA Earth System Science Share-a-Thon**
- 2:00 – 3:00 pm **Harnessing the Power of Earth System Science for Developing Science Practices and Crosscutting Concepts**
- 2:00 – 3:00 pm **American Geophysical Union Lecture, “Abrupt Climate Change: Past, Present and Future” by Dr. Jim White, University of Colorado, McCormick Place, Skyline W375b**
- 6:30 – 8:00 pm **Friends of Earth Science Reception (see www.nestanet.org for more info)**

Saturday, March 14

- 8:00 – 9:00 am **Multimedia Tools and Classroom Resources for Teaching Earth System Science**
- 9:30 – 10:30 am **Using Data in the Earth and Space Science Classroom to Engage Students as Real Scientists**
- 12:30 – 1:30 pm **NESTA Space Science Share-a-Thon**
- 2:00 – 3:00 pm **How Weird Can it Get? Developing Weather and Climate Literacy**
- 3:30 – 4:30 pm **NESTA Rock and Mineral Raffle**
- 5:00 – 6:00 pm **NESTA Annual Membership Meeting**

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The United States is part of an international collaboration to construct and operate ITER, a large-scale research project that aims to demonstrate the feasibility of fusion as a commercial energy source. ITER will be assembled in southern France, using components fabricated in the United States and in the other partner nations—China, members of the European Union, India, Japan, South Korea, and Russia.

Vernier Software & Technology #1244
 13979 SW Millikan Way B, C, EA, EN,
 Beaverton, OR 97005 G, PH, T
 Phone: 888-837-6437 3-12, College
 E-mail: info@vernier.com
 Website: www.vernier.com

Vernier Software & Technology is a leading innovator of scientific data-collection technology. Focused on STEM, Vernier is dedicated to developing creative ways to teach and learn using hands-on science. Vernier creates easy-to-use and affordable science interfaces, sensors, and graphing/analysis software. Vernier's technology-based solutions enhance STEM education, increase learning, and build students' critical-thinking skills.

VEX Robotics, Inc. #1739
 1519 Interstate 30 W. T
 Greenville, TX 75402 1-12, College
 Phone: 903-453-0802
 E-mail: amanda@vex.com
 Website: www.vexrobotics.com

VEX Robotics offers students exciting platforms for learning about areas rich with career opportunities spanning science, technology, engineering, and math (STEM). Beyond science and engineering principles, a VEX Robotics project encourages teamwork, leadership, and problem solving. It also allows educators to easily customize projects to the level of students' abilities.

Virginia Tech College of Science #1843
 B, C, EA, EN, G, PH, T
 300 Turner St. NW, Suite 4300 9-12, College
 Blacksburg, VA 24061
 Phone: 540-231-2551
 E-mail: aisadvising@vt.edu
 Website: www.science.vt.edu

Virginia Tech's College of Science is leading the way in undergraduate science education with three new interdisciplinary degrees: computational modeling and data analytics, nanoscience, and neuroscience. Residing at the scientific frontier, these programs lead to rewarding careers for students wishing to study new areas of science having significant societal impact.

Ward's Science #830
 5100 W. Henrietta Rd. All
 Rochester, NY 14586 K-12, College
 Phone: 800-962-2660
 E-mail: wardscs@vwr.com
 Website: www.wardsci.com

Ward's Science provides innovative science supplies and services for teachers in all science disciplines across grades K-14. With unique products that are developed by in-house scientists and former educators, standards-based activities, digital science resources, and personalized technical support, Ward's provides teachers with tools to turn science lessons into science connections.

Wavefunction, Inc. #476
 18401 Von Karman Ave., Suite 370 C
 Irvine, CA 92612 6-12, College
 Phone: 949-955-2120
 E-mail: michelle@wavefun.com
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 Germantown, MD 20876 K-12, College
 Phone: 301-250-4063
 E-mail: sacton@earthnetworks.com
 Website: www.weatherbug.com

WeatherBug combines weather stations, lighting sensors, and HD cameras at K-12 schools to help keep students safe from lightning and severe weather and bolsters STEM-based initiatives. Schools share their weather with the community via mobile devices, computers, and with TV via over 80 broadcast partners across the country.

Exhibitors

WeatherHawk® #884
 815 West 1800 North EA, EN
 Logan, UT 84321 K-12, College
 Phone: 435-227-9802
 E-mail: info@weatherhawk.com
 Website: www.weatherhawk.com

WeatherHawk produces a broad range of personal wind and weather meters used by schools, government agencies, agriculture, industry, homeowners, resorts, and consumers in a wide variety of applications.

Wellden International, Inc. #477
 142 Rollinghill Rd. B
 Richmond Hill, ON 10-12, College
 Canada
 Phone: 647-621-5688
 E-mail: ceciliachan@hotmail.com
 Website: www.wellden.ca

Wellden International Inc. specializes in medical educational products such as anatomical skull models, skeletal models, spine models, and organ illustrations.

WestEd #641
 730 Harrison St. EA, PH, PD
 San Francisco, CA 94107 K-12, College
 Phone: 415-565-3000
 E-mail: info@wested.org
 Website: www.wested.org

WestEd offers professional development, evaluation, research, coaching, and assessment development in science. Much of our work provides support for the *Common Core* and *Next Generation Science Standards*. We prepare teachers to navigate challenging concepts in life, Earth, and physical science, and support their students reading, writing, and discourse in science.



Western Governors University #790
 4001 South 700 East, Suite 700 B, C, EA,
 Salt Lake City, UT 84107 EN, G, PH
 Phone: 801-274-3280 K-12
 E-mail: jenny.pink@wgu.edu
 Website: www.wgu.edu

The Teachers College at Western Governors University offers regionally, nationally, and NCATE-accredited, online competency-based master's degrees in science education with specializations in chemistry, physics, biology, and geosciences. As a student, you'll enjoy modest tuition rates, unbelievable flexibility, and unmatched student support. Scholarships and financial aid are available.

W.H. Freeman #752
 300 American Metro Blvd., Suite 140
 Hamilton, NJ 08619
 Phone: 866-843-3715
 E-mail: Jacqueline.Seltzer@macmillan.com
 Website: www.bfwpub.com/highschool

W.H. Freeman of Bedford, Freeman, & Worth (BFW) Publishers is the prestigious publisher of groundbreaking AP® textbooks and NGSS-focused resources.

WhiteBox Learning #753
 14600 Woodbluff Trace EA, EN, G,
 Louisville, KY 40245 PH, PD, T
 Phone: 502-396-7259 5-12, College
 E-mail: graham@whiteboxlearning.com
 Website: www.whiteboxlearning.com

WhiteBox Learning is a standards-based, web-based "3D STEM ENGINEERING" learning system that allows students to ENGINEER and simulate their designs virtually, before building... Students can compete virtually, from any browser, 24/7, all around the world... how cool is that?! Gliders2.0, Prosthetics2.0, Dragster2.0, Structures2.0, GreenCar2.0, Rockets2.0, MousetrapCar2.0, Rover2.0, and Shelter2.0.

Wildlife Conservation Society #643
 2300 Southern Blvd. B, EN, G, PD, T
 Bronx, NY 10460 PreK-12, College
 Phone: 718-220-5136
 E-mail: teacherinfo@wcs.org
 Website: www.wcs.org

The Wildlife Conservation Society is the largest conservation organization in the world. We connect people to wild nature both at our parks and through our education materials available online and at our booth. Come see how to enhance your classroom with wildlife and create stewards for a better future.

Wiley #1072
 111 River St.
 Hoboken, NJ 07030
 E-mail: info@wiley.com
 Website: www.wiley.com

Wiley is a global provider of content and content-enabled workflow solutions in areas of scientific, technical, medical, and scholarly research; professional development; and education.

Wisconsin Fast Plants® Program #570
 University of Wisconsin B, EN, G
 1630 Linden Dr. PreK–12, College
 Madison, WI 53706
 Phone: 608-263-2634
 E-mail: hfbaxter@wisc.edu
 Website: www.fastplants.org

The Wisconsin Fast Plants Program freely shares innovative resources for teaching science at all levels with rapid-growing Fast Plants. We bring to NSTA and share online NGSS-focused resources for elementary, middle school, high school, and AP biology. From life cycle to genetics, evolution, and environmental sciences, Fast Plants bring science alive.

WorldStrides #952
 218 W. Water St. All
 Charlottesville, VA 22902 6–12,
 Phone: 855-868-5490 College
 E-mail: requestinfo@worldstrides.org
 Website: www.worldstridesdiscovernow.org

WorldStrides, the largest student travel organization in the U.S., offers a wide range of educational travel programs for students and teachers. Our programs include exciting history, science, and career-focused travel opportunities designed uniquely for students from grade school through high school.

zSpace, Inc. #1723
 490 DeGuigne Dr., Suite 200 B, C, EA, PH
 Sunnyvale, CA 94085 3–12
 Phone: 408-498-4050
 E-mail: edu@zspace.com
 Website: www.edu.zspace.com

A leading-edge technology provider, zSpace delivers a new way of learning. Focused on the learning market, specifically STEM education, medical instruction, corporate training, and research, zSpace inspires and accelerates understanding through immersive exploration. The zSpace STEM package combines a virtual, interactive experience with learning applications built around the NGSS.

Zula International #479
 767 5th Ave., 12th Floor B, C, EA, EN,
 New York, NY 10153 G, PH, PD
 Phone: 800-848-4198 PreK–5
 E-mail: sales@zula.com
 Website: www.zula.com

Zula is a leading provider of STEM educational products, as well as professional development for elementary school students. Zula's cross-curricular, inquiry-based program provides a critical foundation in understanding core science concepts and promotes the development of critical thinking skills.



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3D Molecular Designs (Booth #1833)

Thursday, March 12	2:00–3:30 PM	W193a, McCormick Place	Dive in with Magnetic Water Molecules
Friday, March 13	2:00–3:30 PM	W193a, McCormick Place	Telling Molecular Stories with David Goodsell's Cellular Landscapes
Saturday, March 14	10:00–11:30 AM	W193b, McCormick Place	New Modeling Kits: Flow of Genetic Information and Phospholipid and Membrane Transport Kits

A+ Mobile Solutions (Booth #1750)

Saturday, March 14	12 Noon–1:30 PM	W179b, McCormick Place	Monitor, Guide, and Control Student Activity While Delivering STEM/STEAM Applications with the Intelligent Laptop Cart
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Accelerate Learning (Booth #1056)

Thursday, March 12	2:00–3:30 PM	W470a, McCormick Place	Building the Skills of Argumentation and Collaboration in STEM
Thursday, March 12	4:00–5:30 PM	W470a, McCormick Place	STEM Strategies and Actions for Student Achievement Gains
Friday, March 13	12 Noon–1:30 PM	W470a, McCormick Place	The Value of Inquiry and Scientific Explanations
Friday, March 13	2:00–3:30 PM	W470a, McCormick Place	The Secrets to PBL Success for STEM
Saturday, March 14	8:00–9:30 AM	W470a, McCormick Place	Woodles! Vocabulary Development for Scientific Literacy!

Activate Learning (Booth #1353)

Friday, March 13	4:00–5:30 PM	W476, McCormick Place	Blending the CCSS and NGSS in Your K–5 Science Classroom
Saturday, March 14	8:00–9:30 AM	W476, McCormick Place	Implementing the NGSS Eight Practices with Research-based Curriculum

American Nuclear Society (Booth #645)

Friday, March 13	8:00–9:30 AM	W194a, McCormick Place	Detecting Radiation in Our Radioactive World
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Amplify (Booth #1140)

Thursday, March 12	8:00–9:30 AM	W194a, McCormick Place	Jump-start Your Transition to NGSS and CCSS, ELA Through Integration—From The Lawrence Hall of Science
Thursday, March 12	10:30 AM–12 Noon	W194a, McCormick Place	Unpacking NGSS: Guiding Students to Become Evidence-based Thinkers, Speakers, Readers, and Writers
Thursday, March 12	12:30–2:00 PM	W194a, McCormick Place	Learn to Play—Play to Learn with Amplify's STEM Games—Grades 6–8
Thursday, March 12	3:00–4:30 PM	W194a, McCormick Place	Experience Amplify Science: Immerse Students into the World of Scientists and Engineers with the Newest Curriculum from The Lawrence Hall of Science
Friday, March 13	12 Noon–1:30 PM	W194a, McCormick Place	Experience Amplify Science: Immerse Students into the World of Scientists and Engineers with the Newest Curriculum from The Lawrence Hall of Science

ANATOMY IN CLAY® Learning System (Booth #653)

Thursday, March 12	2:00–3:30 PM	W193b, McCormick Place	Building Your Body in Clay: One System at a Time
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Animalearn (Booth #978)

Friday, March 13	4:00–5:30 PM	W471a, McCormick Place	Leap into the Future with Hands-On Science Teaching
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Arbor Scientific (Booth #1754)

Thursday, March 12	10:00–11:30 AM	W470a, McCormick Place	Cool Tools for Force and Motion
Thursday, March 12	12 Noon–1:30 PM	W470a, McCormick Place	Cool Tools for Light and Color
Friday, March 13	8:00–9:30 AM	W470a, McCormick Place	Cool Tools for Electricity and Magnetism

Backyard Brains (Booth #471)

Friday, March 13	4:00–5:30 PM	W470a, McCormick Place	Bringing Real Neuroscience (Spiking Neurons!) into Your Classroom
Saturday, March 14	10:00–11:30 AM	W470a, McCormick Place	Bringing Real Neuroscience (Spiking Neurons!) into Your Classroom

Battle Creek Area Mathematics and Science Center (Booth #877)

Saturday, March 14	12 Noon–1:30 PM	W475a, McCormick Place	Finding Your Way to Curriculum that Supports NGSS and CCSS
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Bedford, Freeman, & Worth Publishing Group (Booth #752)

Thursday, March 12	4:00–5:30 PM	W475a, McCormick Place	<i>Living by Chemistry</i> : Create a Table
Saturday, March 14	10:00–11:30 AM	W474b, McCormick Place	<i>Living by Chemistry</i> : What Shape Is That Smell?

Bio-Rad Laboratories (Booth #847)

Thursday, March 12	8:30–10:00 AM	W474b, McCormick Place	Struggling with How to Integrate Inquiry into Your AP Biology Course? (AP Big Idea 3)
Thursday, March 12	9:00–11:00 AM	W474a, McCormick Place	The GMO Debate Rages On!
Thursday, March 12	10:30 AM–12 Noon	W474b, McCormick Place	Contagion! Track the Progress of Dangerous Viruses that Are Spreading Throughout the Country
Thursday, March 12	1:00–2:30 PM	W474a, McCormick Place	DNA Detectives: Who Killed Jose?
Thursday, March 12	2:00–3:30 PM	W474b, McCormick Place	How to Use Pop-Culture Science in Your Classes
Thursday, March 12	3:30–5:00 PM	W474a, McCormick Place	Explore Molecular Evolution Using Protein Electrophoresis (AP Big Ideas 1, 3, 4)
Friday, March 13	8:00–9:30 AM	W474b, McCormick Place	Identify Patient Zero of a Zombie Apocalypse
Friday, March 13	8:00–9:30 AM	W474a, McCormick Place	Struggling with How to Integrate Inquiry into Your AP Biology Course? (AP Big Idea 3)
Friday, March 13	10:00–11:30 AM	W474b, McCormick Place	Are Worms Smarter Than Your Students? (AP Big Ideas 1, 2, 3, 4)
Friday, March 13	10:00–11:30 AM	W474a, McCormick Place	Communicating Science Through Lab Notebooking
Friday, March 13	1:00–2:30 PM	W474a, McCormick Place	How to Use Pop-Culture Science in Your Classes
Friday, March 13	1:00–4:00 PM	W474b, McCormick Place	Choose Your Own Adventure in the Explorer Room!
Saturday, March 14	8:00–9:30 AM	W474a, McCormick Place	Science, Fashion, and Fun! Genes in a Bottle™ Kit
Saturday, March 14	10:30 AM–12 Noon	W474a, McCormick Place	NGSS in the High School Biology Classroom

BIOZONE International (Booth #876)

Thursday, March 12	10:00–11:30 AM	W470b, McCormick Place	Engaging Students Effectively: The BIOZONE Solution (Grades 9–12)
Friday, March 13	8:00–9:30 AM	W470b, McCormick Place	Biology for NGSS: A New Approach for a New Program (Grades 9–12)
Saturday, March 14	10:00–11:30 AM	W470b, McCormick Place	Biology for NGSS: A New Approach for a New Program (Grades 9–12)

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Carolina Biological Supply (Booth #1131)

Thursday, March 12	8:00–9:30 AM	W181a, McCormick Place	Autopsy: Forensic Dissection Featuring Carolina's Perfect Solution® Pigs
Thursday, March 12	8:00–9:30 AM	W181c, McCormick Place	Keep Calm and Chemistry On: Successful Lab Activities for the New Chemistry Teacher
Thursday, March 12	10:00–11:30 AM	W181c, McCormick Place	Flipping Out Over Chemistry!
Thursday, March 12	10:00–11:30 AM	W181a, McCormick Place	Introduction to Wisconsin Fast Plants®
Thursday, March 12	10:00–11:30 AM	W181b, McCormick Place	Engineering for K? Yes!
Thursday, March 12	12 Noon–1:30 PM	W181b, McCormick Place	Creating a New Generation of Learners PreK–5
Thursday, March 12	12 Noon–1:30 PM	W181c, McCormick Place	Bring Visual Science into K–5 Classrooms—It's a Game Changer!
Thursday, March 12	12 Noon–1:30 PM	W181a, McCormick Place	Genetics Brought to Life: Gene-ius Model Organisms
Thursday, March 12	2:00–3:30 PM	W181b, McCormick Place	Science Notebooks to Address the NGSS and CCSS
Thursday, March 12	2:00–3:30 PM	W181c, McCormick Place	Engineer Excitement in Your Classroom with a Carolina STEM Challenge®
Thursday, March 12	2:00–3:30 PM	W181a, McCormick Place	Hands-On Science with Classroom Critters
Thursday, March 12	4:00–5:30 PM	W181b, McCormick Place	Making Waves in Middle School
Thursday, March 12	4:00–5:30 PM	W181c, McCormick Place	Using a Blended Learning Model in Leander ISD
Thursday, March 12	4:00–5:30 PM	W181a, McCormick Place	Comparative Vertebrate Anatomy with Carolina's Perfect Solution® Specimens
Friday, March 13	8:00–9:30 AM	W181a, McCormick Place	Comparative Vertebrate Anatomy with Carolina's Perfect Solution® Specimens
Friday, March 13	8:00–9:30 AM	W181c, McCormick Place	Flipping Out Over Chemistry!
Friday, March 13	8:00–9:30 AM	W181b, McCormick Place	Making Waves in Middle School
Friday, March 13	10:00–11:30 AM	W181a, McCormick Place	Hands-On Activities to Model Habitat Preference and Population Sampling
Friday, March 13	10:00–11:30 AM	W181c, McCormick Place	Building Inquiry in AP Chemistry Labs
Friday, March 13	10:00–11:30 AM	W181b, McCormick Place	Building Models to Explain the Changing Earth: Grades 4–5
Friday, March 13	12 Noon–1:30 PM	W181c, McCormick Place	They Come in Pairs: Using Socks to Identify and Address Student Misconceptions About Chromosomes
Friday, March 13	12 Noon–1:30 PM	W181b, McCormick Place	Science Notebooks to Address the NGSS and CCSS
Friday, March 13	12 Noon–1:30 PM	W181a, McCormick Place	Introduction to Wisconsin Fast Plants®
Friday, March 13	2:00–3:30 PM	W181c, McCormick Place	Evolving Enzymes: Bioinformatics, Enzymes, and Inquiry
Friday, March 13	2:00–3:30 PM	W181b, McCormick Place	A Progression of Learning Through the NGSS K–8
Friday, March 13	2:00–3:30 PM	W181a, McCormick Place	Autopsy: Forensic Dissection Featuring Carolina's Perfect Solution® Pigs
Friday, March 13	4:00–5:30 PM	W181a, McCormick Place	Hands-On Science with Classroom Critters
Friday, March 13	4:00–5:30 PM	W181c, McCormick Place	Engineer Excitement in Your Classroom with a Carolina STEM Challenge®
Saturday, March 14	10:00–11:30 AM	W181a, McCormick Place	Hands-On Activities to Model Habitat Preference and Population Sampling
Saturday, March 14	10:00–11:30 AM	W181c, McCormick Place	Keep Calm and Chemistry On: Successful Lab Activities for the New Chemistry Teacher
Saturday, March 14	12 Noon–1:30 PM	W181b, McCormick Place	Picking Apart the Owl Pellet
Saturday, March 14	12 Noon–1:30 PM	W181a, McCormick Place	Strawberry Milkshakes: DNA and Lactose
Saturday, March 14	12 Noon–1:30 PM	W181c, McCormick Place	Bring Visual Science into Grades 6–8 Classrooms—It's a Game Changer!

Celestron (Booth #1656)

Thursday, March 12	2:00–3:30 PM	W475a, McCormick Place	Digital Microscopes 101: Teachers Share Classroom Experiences
Saturday, March 14	2:00–3:30 PM	W475a, McCormick Place	Stretch Your Legs for Science!

Conservation International (Booth #1092)

Saturday, March 14	2:00–3:30 PM	W474b, McCormick Place	ECO Classroom: Field-based Professional Development for STEM Teachers
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CPO Science/School Specialty Science (Booth #1030)

Thursday, March 12	8:00–9:30 AM	W184bc, McCormick Place	CPO's Link™ Wind Turbine Learning Module: A STEM Approach to Engineering and Design
Thursday, March 12	12 Noon–1:30 PM	W184bc, McCormick Place	CPO's Link™ Learning Chemistry Models Module: Fun with Atom Building Games and the Periodic Table
Thursday, March 12	2:00–3:30 PM	W184bc, McCormick Place	Genetics: Crazy Traits and CPO's Link™ Learning Module
Thursday, March 12	4:00–5:30 PM	W184bc, McCormick Place	Building an Electric Motor the STEM Way with CPO's Link™ Learning Module
Friday, March 13	8:00–9:30 AM	W184bc, McCormick Place	CPO Science's Link™ Learning Module: A STEM Approach to Optics, Light, and Color
Friday, March 13	12 Noon–1:30 PM	W184bc, McCormick Place	Genetics: Crazy Traits and CPO's Link™ Learning Module
Friday, March 13	2:00–3:30 PM	W184bc, McCormick Place	CPO's Link™ Learning Chemistry Models Module: Fun with Atom Building Games and the Periodic Table
Friday, March 13	4:00–5:30 PM	W184bc, McCormick Place	CPO's Link™ Wind Turbine Learning Module: A STEM Approach to Engineering and Design

Delta Education/School Specialty Science (Booth #1031)

Thursday, March 12	8:00–9:30 AM	W184a, McCormick Place	Science, the Literacy Connection, and the <i>CCSS ELA</i>
Thursday, March 12	10:00–11:30 AM	W184a, McCormick Place	PEASE in Our Time—Memory Lanes of the Brain
Thursday, March 12	12 Noon–1:30 PM	W184a, McCormick Place	Teaching Argumentation for Our Next Generation
Thursday, March 12	2:00–3:30 PM	W184a, McCormick Place	What's Going on in There? <i>NGSS</i> and STEM for Administrators, Teacher Trainers, and University Faculty
Thursday, March 12	4:00–5:30 PM	W184a, McCormick Place	STEM Projects, Science Fair, and Student Performances

Delta Education/School Specialty Science—FOSS (Booth #1031)

Thursday, March 12	8:00–9:30 AM	W184d, McCormick Place	Engineering Design in the FOSS Next Generation Program
Thursday, March 12	10:00–11:30 AM	W184d, McCormick Place	Scientific Practices: What Does Argumentation Look Like in a FOSS Elementary Classroom?
Thursday, March 12	12 Noon–1:30 PM	W184d, McCormick Place	Crosscutting Concepts: What Do They Look Like in a FOSS Elementary Classroom?
Thursday, March 12	2:00–3:30 PM	W184d, McCormick Place	Asteroid! Will Earth Be Hit Again? FOSS Planetary Science for Middle School
Thursday, March 12	4:00–5:30 PM	W184d, McCormick Place	Evidence for Plate Movement with FOSS Earth History for Middle School
Friday, March 13	8:00–9:30 AM	W184d, McCormick Place	Predicting Pollinators with FOSS Diversity of Life for Middle School
Friday, March 13	10:00–11:30 AM	W184d, McCormick Place	Floods, Heat Waves, and Hurricanes: Analyzing Evidence for a Changing Climate Using FOSS
Friday, March 13	12 Noon–1:30 PM	W184d, McCormick Place	Crosscutting Concepts: What Do They Look Like in a FOSS Elementary Classroom?
Friday, March 13	2:00–3:30 PM	W184d, McCormick Place	Assessment: The Bridge Between Teaching and Learning
Friday, March 13	4:00–5:30 PM	W184d, McCormick Place	Science Practices: What Does Argumentation Look Like in a FOSS Elementary Classroom?

Dinah-Might Adventures (Booth #1172)

Thursday, March 12	2:00–3:30 PM	W470b, McCormick Place	Building Science Vocabulary One Fold at a Time via Notebook Foldables®
Friday, March 13	4:00–5:30 PM	W470b, McCormick Place	Push the Envelope and Unfold the Possibilities with Foldables®

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Discovery Education (Booth #1845)

Thursday, March 12	8:00–9:30 AM	W471b, McCormick Place	STEM: Discover, Collaborate, Innovate
Thursday, March 12	10:00–11:30 AM	W471b, McCormick Place	Read, Write, and Think SCIENCE!
Thursday, March 12	12 Noon–1:30 PM	W471b, McCormick Place	Bringing the NGSS to the Classroom with Discovery Education
Thursday, March 12	2:00–3:30 PM	W471b, McCormick Place	Discovering the Science of Everyday Life
Thursday, March 12	4:00–5:30 PM	W471b, McCormick Place	20 Creative Ways to Using Discovery Education Streaming in the Science Classroom
Friday, March 13	8:00–9:30 AM	W471b, McCormick Place	Bringing the NGSS to the Classroom with Discovery Education
Friday, March 13	10:00–11:30 AM	W471b, McCormick Place	20 Creative Ways to Using Discovery Education Streaming in the Science Classroom
Friday, March 13	12 Noon–1:30 PM	W471b, McCormick Place	STEM: Discover, Collaborate, Innovate
Friday, March 13	2:00–3:30 PM	W471b, McCormick Place	Read, Write, and Think SCIENCE!
Friday, March 13	4:30–5:30 PM	W471b, McCormick Place	Discovery Education 3M Young Scientist Challenge Reception

eCYBERMISSION (Booth #1181)

Friday, March 13	4:00–5:30 PM	W475a, McCormick Place	Engineering Design in the Middle School Science Classroom
Saturday, March 14	10:00–11:30 AM	W475a, McCormick Place	Modeling and Engineering Design: From Ideas to Reality

Educational Innovations, Inc. (Booths #1067/#1167)

Friday, March 13	8:00–9:30 AM	W178a, McCormick Place	What the Heck Happened?!
Friday, March 13	10:00–11:30 AM	W178a, McCormick Place	Fantastical Chemistry Demos for All Classrooms
Friday, March 13	12 Noon–1:30 PM	W178a, McCormick Place	Cool! Can We Do That Again?!
Friday, March 13	2:00–3:30 PM	W178a, McCormick Place	Magnify Your Mind!—with The Private Eye®
Friday, March 13	4:00–5:30 PM	W178a, McCormick Place	Elementary Teacher Survival Kit
Saturday, March 14	10:00–11:30 AM	W178a, McCormick Place	3-2-1 Blast Off!!

Edvotek, Inc. (Booth #683)

Thursday, March 12	8:00–9:30 AM	W186a, McCormick Place	Case of the Missing Records
Thursday, March 12	10:00–11:30 AM	W186a, McCormick Place	Detecting the Silent Killer: Clinical Detection of Diabete
Thursday, March 12	12 Noon–1:30 PM	W186a, McCormick Place	Using the Polymerase Chain Reaction to Identify GM Foods
Thursday, March 12	2:00–3:30 PM	W186a, McCormick Place	The Drunken Worms: Exploring Gene Function with <i>C. elegans</i>
Thursday, March 12	4:00–5:30 PM	W186a, McCormick Place	Teaching STEM Using Agarose Gel Electrophoresis
Friday, March 13	8:00–9:30 AM	W186a, McCormick Place	Transformation Tips and Tricks
Friday, March 13	10:00–11:30 AM	W186a, McCormick Place	Exploring the Genetics of Taste: SNP Analysis of the PTC Gene Using PCR
Friday, March 13	12 Noon–1:30 PM	W186a, McCormick Place	Diagnosing the Flu
Friday, March 13	2:00–3:30 PM	W186a, McCormick Place	Investigating the Genome with DNA Sequencing Technology
Friday, March 13	4:00–5:30 PM	W186a, McCormick Place	Biotechnology Basics

Energy Concepts Inc. (ECI) (Booth #577)

Friday, March 13	2:00–3:30 PM	W476, McCormick Place	Material Science: The Chemistry of Solids
Saturday, March 14	12 Noon–1:30 PM	W476, McCormick Place	Biotechnology...the New Field of Converged Science

Fisher Science Education (Booth #1258)

Friday, March 13	8:00–9:30 AM	W184a, McCormick Place	Teaching Astronomy During the Day and Beyond the Classroom
Friday, March 13	10:00–11:30 AM	W184a, McCormick Place	Environmental Technology: A Real-World Investigation
Friday, March 13	1:00–2:30 PM	W184a, McCormick Place	The STEM Design Challenge
Friday, March 13	3:00–4:30 PM	W184a, McCormick Place	STEM Careers in Chemistry

Flinn Scientific, Inc. (Booth #631)

Thursday, March 12	10:00–11:30 AM	W180, McCormick Place	Flinn Scientific Presents Exploring Chemistry™: Connecting Content Through Experiments
Thursday, March 12	12 Noon–1:30 PM	W180, McCormick Place	Flinn Scientific Presents Hands-On Integrated Science Activities for Middle School
Thursday, March 12	2:00–3:30 PM	W180, McCormick Place	Flinn Scientific Resources Prepare Students for AP Chemistry Success
Thursday, March 12	4:00–5:30 PM	W180, McCormick Place	Flinn Scientific Presents “How to Design a Safe and Efficient Science Laboratory”
Friday, March 13	8:00–9:30 AM	W180, McCormick Place	Fantastic Physical Science Demonstrations from Flinn Scientific
Friday, March 13	10:00–11:30 AM	Skyline W375a, McCormick Place	Flinn Scientific’s Morning of Chemistry: The Best of ChemWest
Friday, March 13	10:00–11:30 AM	W180, McCormick Place	Advanced Inquiry Labs for AP Biology from Flinn Scientific
Friday, March 13	12 Noon–1:30 PM	W180, McCormick Place	Flinn Favorite Biology Lab Activities and Games
Friday, March 13	2:00–3:30 PM	W180, McCormick Place	Advanced Inquiry Labs for AP Chemistry from Flinn Scientific
Friday, March 13	4:00–5:30 PM	W180, McCormick Place	New AP Physics 1 Advanced Inquiry Investigations from Flinn Scientific
Saturday, March 14	10:00–11:30 AM	W180, McCormick Place	Dynamic Demonstrations from Flinn Scientific
Saturday, March 14	12 Noon–1:30 PM	W180, McCormick Place	Flinn Activities to Integrate STEM Education

FOTODYNE Incorporated (Booth #1747)

Thursday, March 12	2:00–3:30 PM	W476, McCormick Place	Molecular Evolution: What Can Dogs Teach Us?
Friday, March 13	12 Noon–1:30 PM	W476, McCormick Place	Smoking and Lung Cancer Microarray

Frey Scientific/School Specialty Science (Booth #931)

Thursday, March 12	10:00–11:30 AM	W184bc, McCormick Place	Solving the Mystery of STEM Using Forensic Science
Friday, March 13	10:00–11:30 AM	W184bc, McCormick Place	Solving the Mystery of STEM Using Forensic Science

G-Biosciences (Booth #456)

Friday, March 13	8:00–9:30 AM	W476, McCormick Place	Biotechnologies: Protein Assays in STEM Education
Saturday, March 14	10:00–11:30 AM	W476, McCormick Place	Biotechnologies: Restriction Digestion in STEM Education

Grand Hank Productions Incorporated (Booth #692)

Thursday, March 12	5:30–7:30 PM	W185 b/c, McCormick Place	An Evening of STEM, Energy, and Hip-Hop Presented by Master Scientist Grand Hank
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HHMI BioInteractive (Booth #1532)

Thursday, March 12	8:00–9:15 AM	W183c, McCormick Place	Gorongosa: A Case Study in Conservation
Thursday, March 12	12 Noon–1:30 PM	W183c, McCormick Place	Extinctions Past and Present
Thursday, March 12	2:00–3:30 PM	W183c, McCormick Place	<i>Your Inner Fish</i> in the Classroom
Thursday, March 12	4:00–5:30 PM	W183c, McCormick Place	Cancer as a Genetic Disease
Friday, March 13	8:00–9:30 AM	W183c, McCormick Place	Great Transitions: Meet the Birds’ Inner Dino
Friday, March 13	10:00–11:30 AM	W183c, McCormick Place	The Origins of Humans and Recent Adaptations
Friday, March 13	12 Noon–1:30 PM	W183c, McCormick Place	Domestication: Plant and Animal Evolution in a Human World
Friday, March 13	2:00–3:30 PM	W183c, McCormick Place	Biodiversity in the Age of Humans
Friday, March 13	4:00–5:30 PM	W183c, McCormick Place	Math and Statistics in Biology Classrooms

Intelitek (Booth #989)

Saturday, March 14	2:00–3:30 PM	W184d, McCormick Place	Creating a Science Class for the 21st Century
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It's About Time (Booth #1538)

Thursday, March 12	8:00–9:00 AM	W194b, McCormick Place	The EQUiP Rubric: Evaluating Middle School Resources for NGSS—Grades 6–8
Thursday, March 12	9:30–10:30 AM	W194b, McCormick Place	Merging the Three Dimensions of the NGSS in <i>Project-Based Inquiry Science</i> [™] (PBIS) for Middle School
Thursday, March 12	11:00 AM–12 Noon	W194b, McCormick Place	Active Physics: A Leading Project-based High School Physics Program Capturing the Essence of the NGSS and STEM Plus New Support Resources
Thursday, March 12	12:30–1:30 PM	W194b, McCormick Place	Next Generation PET: Preparing Elementary Teachers for the NGSS
Thursday, March 12	2:00–3:45 PM	W194b, McCormick Place	Learn About an Innovative Middle School NGSS-focused Project-based Program in an Interactive Setting
Friday, March 13	8:00–9:00 AM	W194b, McCormick Place	<i>Project-Based Inquiry Science</i> [™] (PBIS): Creating “Coherence and Science Storylines” for Middle School Science—Grades 6–8
Friday, March 13	9:30–10:30 AM	W194b, McCormick Place	Active Chemistry: A Leading Project-based High School Chemistry Program Capturing the Essence of the NGSS and STEM Plus New Support Resources
Friday, March 13	11:00 AM–12 Noon	W194b, McCormick Place	Engineering in the NGSS—Grades 9–12
Friday, March 13	12:30–1:30 PM	W194b, McCormick Place	Sustaining an NGSS-focused/Project-based Program for Middle School and High School Science
Friday, March 13	2:00–3:00 PM	W194b, McCormick Place	<i>EarthComm</i> [®] , a Project-based High School Earth Science Curriculum, Developed by the American Geosciences Institute, that Uses an Authentic NGSS Approach
Friday, March 13	3:30–4:30 PM	W194b, McCormick Place	Investigating Astronomy: Project-based Astronomy Program Written Specifically for High School Students!

Kemtec (Booth #768)

Friday, March 13	4:00–5:30 PM	W193a, McCormick Place	Physics as a Second Language
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Ken-A-Vision Mfg., Inc. (Booth #1646)

Friday, March 13	4:00–5:30 PM	W194a, McCormick Place	Slip and Slides: Making Preps and Using Digital Technology in Your Science Classroom
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K'NEX Education (Booth #789)

Saturday, March 14	8:00–9:00 AM	W471b, McCormick Place	Off to the Races with K'NEX Education's Forces, Energy, and Motion Set!
Saturday, March 14	9:30–10:30 AM	W471b, McCormick Place	Forensic DNA Activities and More with K'NEX Education's DNA, Replication, and Transcription Set
Saturday, March 14	11:00 AM–12 Noon	W471b, McCormick Place	Introduction to Simple Machines with K'NEX Education Models and Lessons for the Elementary Classroom
Saturday, March 14	1:00–2:00 PM	W471b, McCormick Place	Off to the Races with K'NEX Education's Forces, Energy, and Motion Set!
Saturday, March 14	2:30–3:30 PM	W471b, McCormick Place	Forensic DNA Activities and More with K'NEX Education's DNA, Replication, and Transcription Set

LAB-AIDS[®], Inc. (Booth #1629)

Thursday, March 12	8:00–9:30 AM	W195, McCormick Place	Modeling Convection Currents and Plate Motion
Thursday, March 12	10:00–11:30 AM	W195, McCormick Place	A Cell So Small
Thursday, March 12	12 Noon–1:30 PM	W195, McCormick Place	Energy Flow Through an Ecosystem
Thursday, March 12	2:00–3:30 PM	W195, McCormick Place	The Cell Cycle
Thursday, March 12	4:00–5:30 PM	W195, McCormick Place	Gene Expression

LAB-AIDS®, Inc., cont.

Friday, March 13	8:00–9:30 AM	W195, McCormick Place	Reclaiming the Metal
Friday, March 13	10:00–11:30 AM	W195, McCormick Place	The Rock Cycle Game
Friday, March 13	12 Noon–1:30 PM	W195, McCormick Place	Calling All Carbons
Friday, March 13	2:00–3:30 PM	W195, McCormick Place	Using Climate Proxies to Learn about Earth’s Climate History
Friday, March 13	4:00–5:30 PM	W195, McCormick Place	Prospecting for Mineral Ore
Saturday, March 14	8:00–9:30 AM	W195, McCormick Place	Investigating Chemical Changes
Saturday, March 14	10:00–11:30 AM	W195, McCormick Place	Chemical Formula and Amino Acids

LaMotte Co. (Booth #1650)

Friday, March 13	2:00–3:30 PM	W475a, McCormick Place	Getting the Most from Your Low-Cost Water Monitoring Kit
Saturday, March 14	8:00–9:30 AM	W475a, McCormick Place	Getting the Most from Your Low-Cost Water Monitoring Kit

Late Nite Labs (Booth #589)

Thursday, March 12	10:00–11:30 AM	W178a, McCormick Place	Student Engagement and Preparedness in High School Science Labs
Thursday, March 12	4:00–5:30 PM	W178a, McCormick Place	e-Textbooks vs. Printed Textbooks

Learning A-Z (Booth #1461)

Saturday, March 14	10:00–11:30 AM	W179b, McCormick Place	Use Science to Teach Reading—Use Reading to Teach Science
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LEGO Education (Booth #956)

Thursday, March 12	8:00–9:30 AM	W186b, McCormick Place	MINDSTORMS® EV3 Robotics in the Middle School Classroom: Getting Started
Thursday, March 12	10:00–11:30 AM	W186b, McCormick Place	MINDSTORMS® EV3 Robotics in the Middle School Classroom: Getting Started
Thursday, March 12	12 Noon–1:30 PM	W186b, McCormick Place	Multiple Subjects, One Platform: Tackle STEM Learning with LEGO Education WeDo!
Thursday, March 12	2:00–3:30 PM	W186b, McCormick Place	Exploring How Machines Work with the LEGO® Education Simple and Motorized Mechanisms Set
Thursday, March 12	4:00–5:30 PM	W186b, McCormick Place	Exploring Forces, Motion, and Engineering Design with LEGO® Education Simple Machines
Friday, March 13	8:00–9:30 AM	W186b, McCormick Place	MINDSTORMS® EV3 Robotics in the Middle School Classroom: Getting Started
Friday, March 13	10:00–11:30 AM	W186b, McCormick Place	MINDSTORMS® EV3 Robotics in the Middle School Classroom: Getting Started
Friday, March 13	12 Noon–1:30 PM	W186b, McCormick Place	Multiple Subjects, One Platform: Tackle STEM Learning with LEGO Education WeDo!
Friday, March 13	2:00–3:30 PM	W186b, McCormick Place	Exploring How Machines Work with the LEGO® Education Simple and Motorized Mechanisms Set
Friday, March 13	4:00–5:30 PM	W186b, McCormick Place	Exploring Forces, Motion, and Engineering Design with LEGO® Education Simple Machines
Saturday, March 14	8:00–9:30 AM	W186b, McCormick Place	MINDSTORMS® EV3 Robotics in the Middle School Classroom: Getting Started
Saturday, March 14	10:00–11:30 AM	W186b, McCormick Place	Multiple Subjects, One Platform: Tackle STEM Learning with LEGO Education WeDo!
Saturday, March 14	12 Noon–1:30 PM	W186b, McCormick Place	Exploring How Machines Work with the LEGO® Education Simple and Motorized Mechanisms Set
Saturday, March 14	2:00–3:30 PM	W186b, McCormick Place	Exploring Forces, Motion, and Engineering Design with LEGO® Education Simple Machines

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Mentis Sciences, Inc. (Booth #1283)

Thursday, March 12	12 Noon–1:30 PM	W475a, McCormick Place	Mentis Sciences Educational Toolkit (MSET)
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The MiniOne Electrophoresis (Booth #984)

Saturday, March 14	12 Noon–1:30 PM	W474b, McCormick Place	Electrophoresis in a Flash—Complete a Lab in a Single Class Period
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miniPCR (Booth #1828)

Saturday, March 14	8:00–9:30 AM	W470b, McCormick Place	Genes in Space: Design a DNA Analysis Experiment for the International Space Station
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MSOE Center for BioMolecular Modeling (Booth #1835)

Thursday, March 12	4:00–5:30 PM	W193a, McCormick Place	The Many Jobs of Proteins: Modeling Proteins and Enzymes
Friday, March 13	12 Noon–1:30 PM	W193a, McCormick Place	Genes, Genomes, and the New World of Personalized Medicine
Saturday, March 14	8:00–9:30 AM	W193b, McCormick Place	Going Viral: From Proteins to Pandemics

Nano-Link: Center for Nanotechnology Education (Booth #888)

Saturday, March 14	8:00–9:30 AM	W184d, McCormick Place	Leading Students to Exciting Careers in Emerging Technology Fields
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Nasco (Booth #740)

Thursday, March 12	12 Noon–1:30 PM	W476, McCormick Place	Nasco SciQuest® Kits for Your Classrooms
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National Geographic Learning (Booth #1546)

Friday, March 13	2:00–3:30 PM	W194a, McCormick Place	A Revolutionary Way to Address All Your Standards with National Geographic
Saturday, March 14	8:00–9:30 AM	W186a, McCormick Place	Go Virtual! Enhancing Instruction with Technology in Geography, Physical Geology, and Environmental Science

National Oceanic and Atmospheric Administration (Booth #1358)

Friday, March 13	10:00–11:30 AM	W470a, McCormick Place	Data Is Not a Four Letter Word! Use NOAA Resources to Build Student Proficiency in Data Analysis
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NewPath Learning (Booth #1545)

Friday, March 13	8:00–9:30 AM	W475a, McCormick Place	Integrating Online Learning into the Science Classroom
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NOAA's National Ocean Service (Booth #1358)

Saturday, March 14	8:00–9:30 AM	W184bc, McCormick Place	Climate Change Series 1: Climate Stewards Roundtable Presentations
Saturday, March 14	9:30–11:15 AM	W184bc, McCormick Place	Climate Change Series 2: Antarctic Team Showcases Ice Cores
Saturday, March 14	11:20 AM–12:20 PM	W184bc, McCormick Place	Climate Change Series 3: Teaching Climate? Learn How to Use the <i>Climate.gov</i> 2014 National Climate Assessment Resources for Educators

NOAA's National Ocean Service, cont.

Saturday, March 14	12:45–1:45 PM	W184bc, McCormick Place	Climate Change Series 4: Bring Climate Change Closer to Home: U.S. Forest Service Climate Change Education Resources
Saturday, March 14	1:50–2:50 PM	W184bc, McCormick Place	Climate Change Series 5: Climate Science in Action
Saturday, March 14	2:55–3:55 PM	W184bc, McCormick Place	Climate Change Series 6: ClimateChangeLIVE Distance Learning Project—Engage Your Students in Climate Change Learning and Being Part of the Solution!
Saturday, March 14	4:00–5:00 PM	W184bc, McCormick Place	Climate Change Series 7: Use NGSS as a Pathway to Climate Literacy

Nutrients for Life Foundation (Booth #1044)

Friday, March 13	2:00–3:30 PM	W471a, McCormick Place	Feeding the World: The Science of Soil
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Ocean Classrooms (Booth #1625)

Thursday, March 12	12 Noon–1:30 PM	W470b, McCormick Place	Access and Analyze LIVE Ocean Data in the Classroom
Friday, March 13	10:00–11:30 AM	W470b, McCormick Place	Access and Analyze LIVE Ocean Data in the Classroom
Saturday, March 14	8:00–9:30 AM	W184a, McCormick Place	Marine Science Education: Awareness, Understanding, and Action
Saturday, March 14	10:00–11:30 AM	W184a, McCormick Place	Marine Science Education: Awareness, Understanding, and Action

PAEMST (Booth #1281)

Thursday, March 12	10:00–11:30 AM	W193b, McCormick Place	Presidential STEM Teachers: PAEMST Success for K–12 Educators
Saturday, March 14	12 Noon–1:30 PM	W193b, McCormick Place	Leadership Pathways for Exemplary K–12 STEM Teachers

PASCO scientific (Booth #1522)

Thursday, March 12	8:00–9:00 AM	W179b, McCormick Place	Supporting NGSS Requirements for Data Collection on Chromebooks
Thursday, March 12	9:30–10:30 AM	W179b, McCormick Place	Spectrometry: Investigate Light Emission, Colored Solutions, Plant Pigments, Solution Concentration, and Reaction Kinetics!
Thursday, March 12	11:00 AM–12 Noon	W179b, McCormick Place	Adapting Traditional Biology Labs to Sensor Technology
Thursday, March 12	12:30–1:30 PM	W179b, McCormick Place	Exploring Motion in Middle School Science with Position and Velocity Games—MatchGraph!
Thursday, March 12	2:00–3:00 PM	W179b, McCormick Place	Project-based Activities for Gas Laws and Stoichiometry Chemistry Standards
Thursday, March 12	3:30–4:30 PM	W179b, McCormick Place	The Physics of Sound Waves
Friday, March 13	8:00–9:00 AM	W179b, McCormick Place	Supporting NGSS Requirements for Data Collection on Chromebooks
Friday, March 13	9:30–10:30 AM	W179b, McCormick Place	Spectrometry: Investigate Light Emission, Colored Solutions, Plant Pigments, Solution Concentration, and Reaction Kinetics!
Friday, March 13	11:00 AM–12 Noon	W179b, McCormick Place	Adapting Traditional Biology Labs to Sensor Technology
Friday, March 13	12:30–1:30 PM	W179b, McCormick Place	Exploring Motion in Middle School Science with Position and Velocity Games—MatchGraph!
Friday, March 13	2:00–3:00 PM	W179b, McCormick Place	Project-based Activities for Gas Laws and Stoichiometry Chemistry Standards
Friday, March 13	3:30–4:30 PM	W179b, McCormick Place	The Physics of Sound Waves
Friday, March 13	5:00–7:00 PM	Skyline W375a, McCormick Place	More than Just Physics

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Pearson (Booth #630)

Thursday, March 12	8:00–9:30 AM	W179a, McCormick Place	Using Problem-Based Learning to Up Your NGSS Game
Thursday, March 12	10:00–11:30 AM	W179a, McCormick Place	Understanding Global Change: Welcome to the Anthropocene!
Thursday, March 12	12 Noon–1:30 PM	W179a, McCormick Place	NGSS, STEM, and <i>Common Core</i> —Connecting the Pieces to the Puzzle
Thursday, March 12	2:00–3:30 PM	W179a, McCormick Place	Economical, Efficient, and Effective STEM Inquiry in Chemistry
Thursday, March 12	4:00–5:30 PM	W179a, McCormick Place	Teaching Evolution in a Climate of Controversy: Even with NGSS, the Battles Continue
Friday, March 13	8:00–9:30 AM	W179a, McCormick Place	College Readiness in Science: What’s Ideal—and What’s Real?
Friday, March 13	10:00–11:30 AM	W179a, McCormick Place	The <i>Next Generation Science Standards</i> : What They Mean for Earth and Space Science
Friday, March 13	12 Noon–1:30 PM	W179a, McCormick Place	New Tools, New Insights, and New Ways of Understanding Science with Miller and Levine <i>Biology</i>
Friday, March 13	2:00–3:30 PM	W179a, McCormick Place	Teaching about Climate in a Climate of Controversy: With the NGSS, the Battle Has Begun
Friday, March 13	4:00–5:30 PM	W179a, McCormick Place	The Best Test Prep Book Ever for AP Chemistry

Perimeter Institute (Booth #767)

Thursday, March 12	8:00–9:30 AM	W471a, McCormick Place	Spicing Up Classical Physics with Modern Examples
Thursday, March 12	4:00–5:30 PM	W471a, McCormick Place	Cosmic Mysteries: Big Bang and the Expanding Universe
Friday, March 13	12 Noon–1:30 PM	W471a, McCormick Place	How Do Scientists Think?
Saturday, March 14	8:00–9:30 AM	W471a, McCormick Place	Hands-On Wave-Particle Duality
Saturday, March 14	10:00–11:30 AM	W471a, McCormick Place	The Mystery of Dark Matter

Pitsco Education (Booth #951)

Thursday, March 12	4:00–5:30 PM	W476, McCormick Place	A Revolution in STEM Robotics
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Plotly (Booth #1724)

Friday, March 13	12 Noon–1:30 PM	W470b, McCormick Place	Plotly: Graphing, Statistics, and Data Analysis for the Modern Science Classroom
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Plotly (Booth #1724) and Vernier Software & Technology (Booth #1244)

Thursday, March 12	4:00–5:30 PM	W470b, McCormick Place	Plotly and Vernier: Collaborative Tools for an Interactive Classroom
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Publisher Spotlight (Booth #1544)

Saturday, March 14	12 Noon–1:30 PM	W184d, McCormick Place	HOWTOONS! Engaging Kids with DIY STEM Projects via Comic Books
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Royal Society of Chemistry (Booth #548)

Thursday, March 12	12 Noon–1:30 PM	W193b, McCormick Place	Build Your Chemistry Teaching Skills with Online Continuing Professional Development from the Royal Society of Chemistry
Saturday, March 14	10:00–11:30 AM	W186a, McCormick Place	Free Chemistry Resources and Tools to Support BYOD, from the Royal Society of Chemistry

SAE International—A World In Motion (Booth #891)

Saturday, March 14	12 Noon–1:30 PM	W194a, McCormick Place	Gliding Flight and the Engineering Design Experience
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Scholastic Inc. (Booths #1744/ #1867)

Saturday, March 14	10:00–11:30 AM	W184d, McCormick Place	Using Science Magazines to Connect the <i>NGSS</i> with <i>CCSS ELA</i>
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Science First®/STARLAB® (Booths #1266/#1267)

Thursday, March 12	4:00–4:30 PM	Booth #1267, Exhibit Hall	Welcome to the Neighborhood—Overview of the Solar System
Friday, March 13	1:00–1:30 PM	Booth #1267, Exhibit Hall	The Earth as a System

Shape of Life (Booth #1445)

Friday, March 13	2:00–3:30 PM	W470b, McCormick Place	Evolving Curiosity in the Animal Kingdom
Saturday, March 14	12 Noon–1:30 PM	W470b, McCormick Place	Evolving Curiosity in the Animal Kingdom

Share My Lesson (Booth #947)

Saturday, March 14	8:00–9:30 AM	W474b, McCormick Place	Share My Lesson: Free Classroom Resources Developed by Teachers for Teachers
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Simulation Curriculum Corp (Booth #777)

Thursday, March 12	10:00–11:30 AM	W471a, McCormick Place	Pluto: The Once and Future Planet?
Thursday, March 12	12 Noon–1:30 PM	W471a, McCormick Place	Weather and Climate
Thursday, March 12	2:00–3:30 PM	W471a, McCormick Place	Plate Tectonics: Continents on the Move
Friday, March 13	8:00–9:30 AM	W471a, McCormick Place	Stellar Life Cycles Made Easy
Friday, March 13	10:00–11:30 AM	W471a, McCormick Place	Plate Tectonics: Continents on the Move

Society for Neuroscience (Booth #1661)

Saturday, March 14	12 Noon–1:30 PM	W471a, McCormick Place	Telling the Story of Neuroscience
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South Dakota State University (Booth #1459)

Saturday, March 14	12 Noon–1:30 PM	W184a, McCormick Place	Interesting Demonstrations for the Chemistry Classroom
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SparkFun Electronics (Booth #552)

Thursday, March 12	10:00–11:30 AM	W193a, McCormick Place	Program or Programmed: Integrating Electronics and Code in the Science Classroom
Thursday, March 12	12 Noon–1:30 PM	W193a, McCormick Place	Scratch for the Science Classroom: Introducing Coding as a Tool Earlier in Learning
Friday, March 13	8:00–9:30 AM	W193a, McCormick Place	Breaking the Rules: Hacking the Science Classroom with Arduino and Open-source Electronics
Friday, March 13	10:00–11:30 AM	W193a, McCormick Place	Bringing Science Home: Integrating the Science Classroom with the Internet of Things
Saturday, March 14	8:00–9:30 AM	W193a, McCormick Place	Physics and Open-Source Robotics: The Opera of Math and Science
Saturday, March 14	10:00–11:30 AM	W193a, McCormick Place	Seeing the Sky with High Altitude Weather Balloons and Data Collection
Saturday, March 14	12 Noon–1:30 PM	W193a, McCormick Place	Circuit Scribe: Joining Art and Science with Conductive Gel Pens

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SPIE, the international society for optics and photonics (Booth #883)

Friday, March 13	12 Noon–1:30 PM	W475a, McCormick Place	It's Elementary—Light and Optics for Kids
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TCI (Booth #1552)

Friday, March 13	10:00–11:30 AM	W194a, McCormick Place	Ignite the NGSS with Today's Cutting-edge Technology
Saturday, March 14	8:00–9:30 AM	W194a, McCormick Place	Ride the Wave with Bring Science Alive!
Saturday, March 14	10:00–11:30 AM	W194a, McCormick Place	Modeling the Earth, Sun, and Other Stars with Bring Science Alive!

Texas Instruments (Booth #1252)

Friday, March 13	8:30–9:30 AM	W193b, McCormick Place	Zombie Apocalypse!
Friday, March 13	10:00–11:00 AM	W193b, McCormick Place	Body of Evidence: A Forensic Science Mystery!
Friday, March 13	11:30 AM–12:30 PM	W193b, McCormick Place	Chelcie's Story: STEM Careers and the Science Classroom
Friday, March 13	1:00–2:00 PM	W193b, McCormick Place	Zombie Apocalypse!
Friday, March 13	2:30–3:30 PM	W193b, McCormick Place	Body of Evidence: A Forensic Science Mystery!
Friday, March 13	4:00–5:00 PM	W193b, McCormick Place	Chelcie's Story: STEM Careers and the Science Classroom

U.S. Dept. of Energy, Office of Nuclear Energy (Booth #584)

Thursday, March 12	2:00–3:30 PM	W178a, McCormick Place	The Harnessed Atom: New Ideas, Tools, and Resources: Nuclear Science and Energy
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Vernier Software & Technology (Booth #1244)

Thursday, March 12	8:00–9:30 AM	W185d, McCormick Place	Investigating Wind Energy with Vernier
Thursday, March 12	8:00–9:30 AM	W185a, McCormick Place	Integrate Chromebook and BYOD with Vernier Technology
Thursday, March 12	10:00–11:30 AM	W185a, McCormick Place	Biology with Vernier
Thursday, March 12	10:00–11:30 AM	W185d, McCormick Place	Renewable Energy with KidWind and Vernier
Thursday, March 12	12 Noon–1:30 PM	W185d, McCormick Place	iPad and Wireless Sensors with Vernier
Thursday, March 12	12 Noon–1:30 PM	W185a, McCormick Place	Inquiry-based Biology with Vernier
Thursday, March 12	2:00–3:30 PM	W185a, McCormick Place	Wireless Sensor Exploration with Vernier
Thursday, March 12	2:00–3:30 PM	W185d, McCormick Place	Advanced Physics with Vernier
Thursday, March 12	4:00–5:30 PM	W185d, McCormick Place	Physics with Vernier
Thursday, March 12	4:00–5:30 PM	W185a, McCormick Place	Chemistry with Vernier
Friday, March 13	8:00–9:30 AM	W185d, McCormick Place	Physics with Vernier
Friday, March 13	8:00–9:30 AM	W185a, McCormick Place	Chemistry with Vernier
Friday, March 13	10:00–11:30 AM	W185a, McCormick Place	Environmental Science with Vernier
Friday, March 13	10:00–11:30 AM	W185d, McCormick Place	Explore Motion with Vernier Video Physics for iOS
Friday, March 13	12 Noon–1:30 PM	W185a, McCormick Place	Water Quality with Vernier
Friday, March 13	12 Noon–1:30 PM	W185d, McCormick Place	Advanced Physics with Vernier
Friday, March 13	2:00–3:30 PM	W185a, McCormick Place	Spectroscopy with Vernier
Friday, March 13	2:00–3:30 PM	W185d, McCormick Place	iPad and Wireless Sensors with Vernier
Friday, March 13	4:00–5:30 PM	W185d, McCormick Place	STEM/Engineering Activities Using Vernier Sensors with Arduino
Friday, March 13	4:00–5:30 PM	W185a, McCormick Place	Biology with Vernier
Saturday, March 14	8:00–9:30 AM	W185a, McCormick Place	Biology with Vernier
Saturday, March 14	8:00–9:30 AM	W185d, McCormick Place	Integrate Chromebook and BYOD with Vernier Technology
Saturday, March 14	10:00–11:30 AM	W185a, McCormick Place	Chemistry with Vernier
Saturday, March 14	10:00–11:30 AM	W185d, McCormick Place	Renewable Energy with KidWind and Vernier
Saturday, March 14	12 Noon–1:30 PM	W185a, McCormick Place	Inquiry-based Chemistry with Vernier
Saturday, March 14	12 Noon–1:30 PM	W185d, McCormick Place	Middle School Science with Vernier
Saturday, March 14	2:00–3:30 PM	W185d, McCormick Place	Introductory Engineering-Design Projects with Vernier
Saturday, March 14	2:00–3:30 PM	W185a, McCormick Place	Human Physiology with Vernier

Ward's Science (Booth #830)

Thursday, March 12	8:00–9:30 AM	W192b, McCormick Place	Blood Ties: Switched at Birth?
Thursday, March 12	10:00–11:30 AM	W192b, McCormick Place	CTE: Real-life Forensics Brought to the Classroom, Solving the Case
Thursday, March 12	12 Noon–1:30 PM	W192b, McCormick Place	Alternative Energy Gets a Lift from STEM: Wind Turbines
Thursday, March 12	2:00–3:30 PM	W192b, McCormick Place	Meet NGSS Environmental Science Disciplinary Core Ideas with <i>Daphnia</i>
Thursday, March 12	4:00–5:30 PM	W192b, McCormick Place	Ward's AP Chemistry Investigation 4: Titrations—How Acidic Are the Beverages We Drink?
Friday, March 13	8:00–9:30 AM	W192b, McCormick Place	Maximize Your Biotech Budget and Simplify Your Prep
Friday, March 13	10:00–11:30 AM	W192b, McCormick Place	Grant Writing: Designing for Dollars
Friday, March 13	12 Noon–1:30 PM	W192b, McCormick Place	STEM on Wheels: Rubber Band Racer Engineering
Friday, March 13	2:00–3:30 PM	W192b, McCormick Place	CTE: Biology Techniques for AgSci Applications
Friday, March 13	4:00–5:30 PM	W192b, McCormick Place	Coaching Science Olympiad with Confidence and Connecting to the Classroom: Elastic Launched Glider
Saturday, March 14	8:00–9:30 AM	W192b, McCormick Place	Who's Killing Crystal Creek? Solve an Environmental Science Mystery
Saturday, March 14	10:00–11:30 AM	W192b, McCormick Place	Teaching with Technology in the Elementary Classroom
Saturday, March 14	12 Noon–1:30 PM	W192b, McCormick Place	AP Biology Investigation 4: The Ins and Outs of Diffusion and Osmosis
Saturday, March 14	2:00–3:30 PM	W192b, McCormick Place	Dissection Connections: Using Preserved Specimens to Explore Human Biology, Disease, and Development
Saturday, March 14	4:00–5:30 PM	W192b, McCormick Place	Grant Writing: Pipelines, Partnerships, and Finding Funding

Wavefunction, Inc (Booth #476)

Thursday, March 12	10:00–11:30 AM	W476, McCormick Place	Molecular Level Visualization and the NGSS: Engaging Your Students
Friday, March 13	10:00–11:30 AM	W476, McCormick Place	The NGSS and AP Chemistry: Promoting Conceptual Understanding with Molecular Level Visualization

WhiteBox Learning (Booth #753)

Thursday, March 12	10:00–11:30 AM	W475a, McCormick Place	The "E" in STEM: 3-D STEM Engineering
Friday, March 13	10:00–11:30 AM	W475a, McCormick Place	The "E" in STEM: 3-D STEM Engineering

Wildlife Conservation Society (Booth #643)

Thursday, March 12	4:00–5:30 PM	W193b, McCormick Place	Teaching Science Using Innovative Technology: Mannahatta2409.org
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Zula International (Booth #479)

Saturday, March 14	8:00–9:30 AM	W179b, McCormick Place	Implementing Inquiry: Strategies and Tools for Elementary Students
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DATA-COLLECTION TECHNOLOGY

WORKSHOP ROOM W185a – THURSDAY, MARCH 12

8:00-9:30	HANDS-ON	Integrate Chromebook and BYOD with Vernier Technology
10:00-11:30	HANDS-ON	Biology with Vernier
12:00-1:30	HANDS-ON	Inquiry-Based Biology with Vernier
2:00-3:30	HANDS-ON	Wireless Sensor Exploration with Vernier
4:00-5:30	HANDS-ON	Chemistry with Vernier

WORKSHOP ROOM W185d – THURSDAY, MARCH 12

8:00-9:30	HANDS-ON	Investigating Wind Energy with Vernier
10:00-11:30	HANDS-ON	Renewable Energy with KidWind and Vernier
12:00-1:30	HANDS-ON, BYOD	iPad and Wireless Sensors with Vernier
2:00-3:30	HANDS-ON	Advanced Physics with Vernier
4:00-5:30	HANDS-ON	Physics with Vernier

WORKSHOP ROOM W185a – FRIDAY, MARCH 13

8:00-9:30	HANDS-ON	Chemistry with Vernier
10:00-11:30	HANDS-ON	Environmental Science with Vernier
12:00-1:30	HANDS-ON	Water Quality with Vernier
2:00-3:30	HANDS-ON	Spectroscopy with Vernier
4:00-5:30	HANDS-ON	Biology with Vernier

WORKSHOP ROOM W185d – FRIDAY, MARCH 13

8:00-9:30	HANDS-ON	Physics with Vernier
10:00-11:30	HANDS-ON	Explore Motion with Vernier Video Physics for iOS
12:00-1:30	HANDS-ON	Advanced Physics with Vernier
2:00-3:30	HANDS-ON, BYOD	iPad and Wireless Sensors with Vernier
4:00-5:30	HANDS-ON	STEM/Engineering Activities using Vernier Sensors with Arduino

WORKSHOP ROOM W185a – SATURDAY, MARCH 14

8:00-9:30	HANDS-ON	Biology with Vernier
10:00-11:30	HANDS-ON	Chemistry with Vernier
12:00-1:30	HANDS-ON	Inquiry-Based Chemistry with Vernier
2:00-3:30	HANDS-ON	Human Physiology with Vernier

WORKSHOP ROOM W185d – SATURDAY, MARCH 14

8:00-9:30	HANDS-ON, BYOD	Integrate Chromebook and BYOD with Vernier Technology
10:00-11:30	HANDS-ON	Renewable Energy with KidWind and Vernier
12:00-1:30	HANDS-ON	Middle School Science with Vernier
2:00-3:30	HANDS-ON	Introductory Engineering-Design Projects with Vernier



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