



Program Changes

NSTA Boston National Conference

April 3–6, 2014

Session Evaluations

Chance to Win a Kindle Fire HDX 7"

Help NSTA's GREEN efforts by completing session evaluations online at www.nsta.org/evaluations **April 2–17, 2014**, while the session is fresh in your mind! When you fill out a session evaluation, you get entered into a drawing for a chance to win the recently introduced Kindle Fire HDX 7" courtesy of the NSTA Conference Department. Remember, the more sessions you attend and evaluate, the more chances you have to win!

Concurrent session presenters may also complete an evaluation for their own sessions in order to track professional development credit. Remember—the last day to evaluate Boston sessions is **April 17**.

Beginning **April 23, 2014**, you can view your transcript at the NSTA Learning Center (learningcenter.nsta.org) by clicking on "My PD Record and Certificates." You can also document credit for activities that are not being evaluated (e.g., field trips, short courses, meetings, and Exhibit Hall visits). In addition, the NSTA Learning Center offers professional development experiences (online and face-to-face) for your long-term growth and professionalism.

For more details, see page 17 of Vol. 1. A Professional Development Documentation Form is included following page 64 of Vol. 1. This form can help you keep track of sessions/events attended that are NOT available for online session evaluation...and it can be used to take notes on sessions attended that are available for online session evaluation.

Ticket Updates

SC-3	Using GLOBE in the Elementary Classroom	<i>Canceled</i>
SC-5	Ocean Plastic Pollution: Issues...	<i>Sold Out</i>
SC-12	Building Capacity for Collaborative...	<i>Canceled</i>
SC-13	Engineering Extravaganza!	<i>Sold Out</i>
SC-15	Integrating Outdoor Teaching and...	<i>Canceled</i>
T-1	Teaching About Oceans and Coasts:...	<i>Sold Out</i>
T-3	Lions, Tigers and Leopards, Oh My...	<i>Sold Out</i>
T-8	Whaling History Kept Relevant...	<i>Canceled</i>
F-5	Where Does "It" Go After You Go?	<i>Canceled</i>
PDI-1	NGSS Practices of Science: Student..	<i>Sold Out</i>
PDI-7	Developing Formative and Summative...	<i>Sold Out</i>

Exhibit Hall Hours

Located in Exhibit Hall A of the BCEC, exhibits will be open for viewing during the following hours:

Thurs., April 3	11:00 AM–5:00 PM
Fri., April 4	9:00 AM–5:00 PM
Sat., April 5	9:00 AM–5:00 PM

NSTA TV

NSTA is partnering with the international film and broadcasting company, WebsEdge, to bring NSTA TV to this year's National Conference on Science Education in Boston.

NSTA TV is an on-site conference television channel featuring a new episode daily, screened around the Boston Convention & Exhibition Center (BCEC), as well as on a dedicated television channel in selected guest hotel rooms and online.

The TV segments will profile prominent science educators and scientists, highlight the hard work of teachers and organizations committed to elevating the quality of science education in the U.S., and provide an opportunity to learn about new teaching strategies and techniques and innovative programs and initiatives that are helping to transform science education and learning.

You can access NSTA TV at the following hotels:

- Boston Park Plaza – channel 71
- Hilton Boston Back Bay – channel 42
- Marriott Copley Place – channel 74
- Omni Parker House – channel 65
- Renaissance Waterfront – channel 15
- Seaport Hotel – channel 69
- Sheraton Boston – channel 52
- Westin Copley Place – channel 55
- Westin Waterfront – channel 86

Science Store Hours

Be sure to shop the NSTA Science Store. Open Wednesday evening and early in the morning before the Exhibit Hall opens, the hours are very convenient.

Wed., April 2	4:00–8:00 PM
Thu., April 3	7:00 AM–5:30 PM
Fri., April 4	7:00 AM–5:30 PM
Sat., April 5	7:00 AM–5:00 PM
Sun., April 6	7:30 AM–12 Noon

Coat and Bag Check at the BCEC

For your convenience, a coat and bag check will be located at the Northeast Level 1 Lobby of the BCEC. The prices are \$3 per coat and \$4 per bag.

Hours of operation for the Coat and Bag Check are:

Thu., April 3	8:00 AM–6:00 PM
Fri., April 4	8:00 AM–6:00 PM
Sat., April 5	8:00 AM–6:00 PM
Sun., April 6	8:00 AM–12 Noon

Wi-Fi in Convention Center

Free wireless internet is available in all public spaces of the BCEC. To access, choose the "Free Internet" option; there is no code.

Graduate Credit Opportunity

Boston conference attendees can earn one graduate-level credit hour in professional development through Framingham State University. For details, see Vol. 1, page 15. Questions? Stop by the MAST booth.

Thursday Program Changes

New Exhibitor Workshop

Exhibitor Workshop 9:00 AM–5:00 PM

einstein™ STEMathon (Gen)

(Grades 3–10) 258B, BCEC

Sponsor: Fourier Education

Cliff Churgin, Fourier Education, Mokena, Ill.

This innovative event will pit science teachers against one another in a live challenge to create the best STEM experiment using the einstein™ Activity Maker tool. Participants will have the opportunity to win the grand prize of einstein™ products and cash prizes totaling \$7,500. Substantial prizes will also be awarded to second- and third-place winners. Challenges will take place all day, so please stop by and join in!

Canceled Sessions

Science + Literacy in PreK Science Instruction, presentation, 8:00–8:30 AM, 158, BCEC (Vol. 1, p. 85).

Preparing for the Future: Developing Science Teacher Leaders, presentation, 8:00–9:00 AM, 260, BCEC (Vol. 1, p. 88).

Enhance, Engage, Engineer!, presentation, 3:30–4:30 PM, 158, BCEC (Vol. 1, p. 151).

Where to Start in Teaching Climate Science: The CLEAN Collection of Resources, workshop, 3:30–4:30 PM, 157C, BCEC (Vol. 1, p. 156).

Integrating Math and Science Practices—It's SO Predictable, workshop, 5:00–6:00 PM, 207, BCEC (Vol. 1, p. 168).

General Session Update

Nicolas Lombardo, a student at Central Connecticut State University in New Britain, will introduce **Mayim Bialik** during the General Session at 9:15 AM in Grand Ballroom, BCEC (Vol. 1, p. 106).

New Time/Location

The **Committee on Coordination and Supervision of Science Teaching Meeting** is now scheduled from 1:00 to 3:00 PM in Liberty A, Seaport instead of 9:00 to 11:00 AM in Pacific C, Renaissance (Vol. 1, pp. 66 and 106).

New Presenters

The following presenters join Lauren Rader et al. as co-presenters of the presentation **NMEA Session: Whale-of-a-Tale Share-a-Thon**, 8:00–9:00 AM, 052 A/B, BCEC (Vol. 1, p. 86):

Marolyn Smith, Retired Educator, Austin, Tex.

Pamela R. Stryker (*pstryker@eanesisd.net*), Barton Creek Elementary School, Austin, Tex.

Stephanie C. King (*scking@mpsaz.org*), Mesa (Ariz.) Public Schools, joins Amanda Cherry Grimes as co-presenter of the workshop **Restriction Digest Computer Simulation**, 2:00–3:00 PM, 205B, BCEC (Vol. 1, p. 142).

Tami Johnson, Mobile County Public School System, Mobile, Ala., joins Melissa Dean and Suzan Morris as a co-presenter of the workshop **Using the "E" in STEM to Integrate STEM Silos**, 2:00–3:00 PM, Faneuil, Westin Waterfront (Vol. 1, p. 144).

Jared E. Turner (*jturne28@mix.wvu.edu*), West Virginia University, Morgantown, joins Jennifer J. Sirockman and Kyle L. Greenleaf as a co-presenter of the presentation **Use Crickets to Introduce Scientific Investigations to Elementary Students**, 3:30–4:30 PM, 252B, BCEC (Vol. 1, p. 151).

The following presenters join Mary E. Hatton and Melanie Melanson as co-presenters of the presentation **Make a Difference! Start an NSTA Student Chapter**, 3:30–4:30 PM, Pacific G/H, Renaissance (Vol. 1, p. 153):

Paul B. Nichols (*paul.b.nichols@mail.endicott.edu*) and

Katie E. Yeaton, Endicott College, Beverly, Mass.

Tami Johnson, Mobile County Public School System, Mobile, Ala., joins Melissa Dean and Suzan Morris as a co-presenter of the presentation **Meeting the Challenge of Change: Integrating the NGSS and CCSS Mathematics in Middle Schools for All Students**, 3:30–4:30 PM, Carlton, Westin Waterfront (Vol. 1, p. 154).

Pamela Gay (*starstryder@gmail.com*), Southern Illinois University, Edwardsville, replaces Kathy Costello as presenter of the workshop **Take a CosmoQuest Adventure in Geology!**, 3:30–4:30 PM, 162A, BCEC (Vol. 1, p. 156).

The following presenters join Nicole Weber as co-presenters of the workshop **The Mathematics of Bridging Design in STEM**, 3:30–4:30 PM, 254B, BCEC (Vol. 1, p. 157):

William Barowy, **Michael B. Thibodeau** (*mthibode@lesley.edu*), and **Steve Yurek** (*syurek@lesley.edu*), Lesley University, Cambridge, Mass.

Thursday Program Changes, cont.

New Presenters, cont.

Jessica Shea and **Julie Brown**, National Geographic Society, Washington, D.C., replace Sean O'Connor as presenters of the exhibitor workshop **Participate in National Geographic's Engineering Exploration Challenge**, 4:00–5:30 PM, 107C, BCEC (Vol. 1, p. 160).

The following presenters join Kelly A. Riedinger as co-presenters of the presentation **Raindrops Keep Falling in My Gauge: School Partnerships with a Citizen Science Network to Increase Climate Literacy**, 5:00–6:00 PM, 251, BCEC (Vol. 1, p. 164):

Margaret A. Holzer (*mholzer@monmouth.com*), Chatham High School, Chatham, N.J.

Tim Martin (*timmartin@greensboroday.org*), Greensboro Day School, Greensboro, N.C.

Mark F. Klawiter (*mflawit@mtu.edu*), Michigan Technological University, Houghton, joins Jenelle D. Hopkins as co-presenter of the presentation **"Nuclear"ification: A Smorgasbord of Classroom Applications and Resources**, 5:00–6:00 PM, Flagship A, Seaport (Vol. 1, p. 165).

Jennifer A. George (*jgeorg17@mix.wvu.edu*), West Virginia University, Morgantown, joins Brooke A. Harvey et al. as a co-presenter of the presentation **Differentiating Assessment in the Science Classroom**, 5:00–6:00 PM, Burroughs, Westin Waterfront (Vol. 1, p. 166).

Frieda Reichsman (*freichsman@concord.org*), The Concord Consortium, Concord, Mass., joins Lisa Marchi as co-presenter of the workshop **More Than Dragon Genetics—BYOL (Bring Your Own Laptop)**, 205B, BCEC (Vol. 1, p. 168).

Jan Sikorsky (*jsikorsky@envisionemi.com*), Envision EMI, Vienna, Va., joins Amanda Whitener as co-presenter of the workshop **Using Case Studies in the Classroom to Scaffold Literacy and Science Practices**, Seaport Ballroom A, Seaport (Vol. 1, p. 170).

Friday Program Changes

New Exhibitor Workshop

Exhibitor Workshop 2:00–3:30 PM

Teaching Forensic Science with *Tales from the Poisoner's Handbook* (Chem)

(Grades 9–12) 108, BCEC

Sponsor: PBS LearningMedia

Molly Jacobs (*molly_jacobs@wgbh.org*) and **Bill Shribman** (*bill_shribman@wgbh.org*), WGBH, Boston, Mass.

Rich Fox (*rfoxfire1@gmail.com*), Charlestown High School and WGBH, Boston, Mass.

Get your high school students engaged in chemistry with *Tales from the Poisoner's Handbook*, the new digital graphic novel developed by PBS' flagship history series *American Experience*. This free tool guides students through the interactive investigation of four actual poisoning cases from the 1920s and 1930s, helping them understand basic principles of forensic investigation and chemistry. For use on computers, tablets, and interactive whiteboard; demonstrations at 2:00 and 2:45 PM.

Canceled Session

Elementary STEM Conservation Projects, workshop, 3:30–4:30 PM, 212, BCEC (Vol. 2, p. 108).

New Presenters

Tammy Bravo (*tkb@iris.edu*), IRIS, Washington, D.C., joins Michelle C. Harris et al. as a co-presenter of the workshop **NESTA Session: National Earth Science Teachers Association Geology Share-a-Thon**, 9:30–10:30 AM, 052 A/B, BCEC (Vol. 2, p. 47).

Daniel Sweet (*dan.sweet@nisd.net*), John Jay Science and Engineering Academy, San Antonio, Tex., joins Jeffrey Grant et al. as a co-presenter of the presentation **STEM Share-a-Thon**, 11:00 AM–12 Noon, 253B, BCEC (Vol. 2, p. 58).

The following presenters join Elliott Gimble et al. as co-presenters of the presentation **Teaching About the Teen Brain: Linking Neuroscience and Health Curricula Through the Study of Addiction**, 11:00 AM–12 Noon, 257A, BCEC (Vol. 2, p. 58):

Reggie Hobbs and **Ceanne Tzimopoulos**, Lexington High School, Lexington, Mass.

Tammy Bravo (*tkb@iris.edu*), IRIS, Washington, D.C., joins Michelle C. Harris et al. as a co-presenter of the workshop **NESTA Session: National Earth Science Teachers Association Earth System Science Share-a-Thon**, 12:30–1:30 PM, 052 A/B, BCEC (Vol. 2, p. 81).

Beth Nichols (*bnichols@ets.org*), Educational Testing Service, Princeton, N.J., joins Israel Solon as co-presenter of the workshop **Some of the Above: Writing Quality Multiple-Choice Questions**, 2:00–3:00 PM, Harbor Ballroom I, Westin Waterfront (Vol. 2, p. 94).

Doreen Eatough, Exo Labs, Inc., Seattle, Wash., replaces Jeff Shaver as presenter of the exhibitor workshop **iPads in Biology—Digital Microscopy and More!**, 2:00–3:30 PM, 109A, BCEC (Vol. 2, p. 97).

Saturday Program Changes

Canceled Session

Commonalities, Connections, and Crosscutting Capabilities: C's to Success, workshop, 9:30–10:30 AM, 213, BCEC (Vol. 3, p. 40).

New Presenters

The following presenters join Michelle C. Harris et al. as co-presenters of the workshop **NESTA Session: National Earth Science Teachers Association Space Science Share-a-Thon**, 8:00–9:00 AM, 052 A/B, BCEC (Vol. 3, p. 20):

Tammy Bravo (*tkb@iris.edu*), IRIS, Washington, D.C.

Nancy C. Tashima (*tashima@aloha.net*), Onizuka Space Center, Kailua-Kona, Hawaii

New Presenters, cont.

Doreen Eatough, Exo Labs, Inc., Seattle, Wash., replaces Jeff Shaver as presenter of the exhibitor workshop **iPads in General Science—Digital Microscopy and More!**, 10:00–11:30 AM, 109A, BCEC (Vol. 3, p. 45).

Taylor Cox (*coxtayl@cps-k12.org*), Hughes STEM High School, Cincinnati, Ohio, joins Kathy D. Thigpen-Wright et al. as a co-presenter of the presentation **Multicultural Share-a-Thon**, 2:00–3:00 PM, 253B, BCEC (Vol. 3, p. 71).

Sunday Program Changes

Canceled Session

Engaging Students in Environmental Journalism with Young Reporters for the Environment (YRE), presentation, 9:30–10:30 AM, 153C, BCEC (Vol. 3, p. 106).

New Presenters

Andrea L. Higgins, Mass Audubon's Long Pasture Wildlife Sanctuary, Cummaquid, Mass., joins Deirdre A. Detjens and Anita Woods as a co-presenter of the presentation **Adapting Nature for All Learners**, 11:00–11:30 AM, 157C, BCEC (Vol. 3, p. 112).

Andrea L. Higgins, Mass Audubon's Long Pasture Wildlife Sanctuary, Cummaquid, Mass., joins Deirdre A. Detjens and Gina Kelly as a co-presenter of the presentation **How Did a New High School and a Young Wildlife Sanctuary Collaborate to Foster New Citizen Scientists?**, 11:30 AM–12 Noon, 157C, BCEC (Vol. 3, p. 112).

Exhibitor Changes

New Exhibitors

Ed Speldy East Co. Ltd.

4337 4th Ave., Unit B
Niagara Falls, ON L2E 4N1
Canada

Phone: 905-358-1688

E-mail: jeffrey.dai@realcoolbug.com

Website: www.realcoolbug.com

Our company specializes in Plastomount products with all different kinds of specimens. Our line of products includes animal skeletons, dissections of animals, life cycle products, animal kingdom, plant kingdom, biology for kids, corn germination, bean germination, and many other exciting science tools.

Grand Hank Productions

501 E. Armstrong St.
Philadelphia, PA 19144
Phone: 215-247-1109

E-mail: grandhank@grandhank.com

Website: www.grandhank.com

A multimedia company, we have on display science products and services as well as our live science presentations, books, kits, and DVDs.

iGEM Foundation

1 Kendall Square, Suite B6104
Cambridge, MA 02139
Phone: 617-500-3106

E-mail: kitwa@igem.org

Website: igem.org

The International Genetically Engineered Machine (iGEM) Foundation organizes and operates the premier student synthetic biology competition, known as the iGEM competition. Each year, students from around the world work in teams at their schools to design, create, and test a biological system made from standardized DNA parts.

It's A Noisy Planet

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MSC2320
Bethesda, MD 20892-2320
Phone: 800-241-1044

E-mail: npirito@nidcd.nih.gov

Website: www.noisyplanet.nidcd.nih.gov

Izon Science

85 Bolton St.
Cambridge, MA 02140
Phone: 617-945-5936
E-mail: info@izon.com
Website: www.izon.com

MakerBot

1 MetroTech Center, 21st Floor
Brooklyn, NY 11201
Phone: 347-334-6800
E-mail: lauren.goglick@makerbot.com
Website: www.makerbot.com

We are a 3-D printer manufacturer based out of Brooklyn. Stop by to view our 3-D printers targeted for the education sector and a collection of our digital store products.

Megatech Corp.

525 Woburn St., Suite 3
Tewksbury, MA 01876
Phone: 978-937-9600
E-mail: info@megatechcorp.com

Megatech is a nationally recognized manufacturer of STEM-based hands-on training aids and alternative energy and climate change demonstrators. Stop by our booth to view an apparatus that shows and quantifies the relationship of fossil fuels to global warming. Basic electrical and science kits are displayed as well.

STEMfinity

5465 E. Terra Linda Way
Nampa, ID 83687
Phone: 800-985-7836
E-mail: support@stemfinity.com
Website: www.stemfinity.com

STEMfinity provides more than 20,000 project-based STEM resources with curricula to teach preK-12 students STEM, robotics, electronics, alternative energy, 3-D printing, RC, rocketry, and beyond! STEMfinity's hands-on educational kits are a perfect resource for underrepresented and at-risk students to develop an understanding of STEM subjects through project-based learning...inspiring students to pursue STEM careers.

#1720

B, C, G, PH
6-12, College

#1623

T
1-12, College

#805

PH, T
6-12, College

#1722

All
PreK-12

U.S. Forest Service

1400 Independence Ave. SW
MS1147
Washington, DC 20250
Phone: 202-205-3761
E-mail: mkedwards@fs.fed.us

The U.S. Forest Service offers a wide variety of materials for preK-12 grades concerning conservation education and natural resources. Our exhibit is focused on climate change materials (grades 5-9) and we have some Smokey Bear and Woodsy Owl resources and materials. Materials are free of charge.

U.S. Geological Survey

12201 Sunrise Valley Dr.
Reston, VA 20192
Phone: 888-275-8747
Website: www.usgs.gov/ask

The U.S. Geological Survey is a Federal agency that provides impartial information on the health of our ecosystems and environment, the natural hazards that threaten us, the natural resources we rely on, and the impacts of climate and land-use change.

University of North Texas College of Information

1155 Union Circle, #311068
Denton, TX 76203
Phone 940-565-2445
E-mail: lynnecagle.cox@unt.edu

Get informed! New master's and doctoral degrees offered online at the College of Information, University of North Texas. UNT COI prepares information professionals in the areas of applied technology and performance improvement, learning technologies, and library and information sciences. Graduate certificates are available for technology professionals.

Canceled Exhibitors:

ConClusive & Associates #805
Kingfisher #816



National Science Teachers Association

Shuttle Service to the Boston Convention & Exhibition Center (BCEC)

Shuttle service is provided between the Boston Convention & Exhibition Center (BCEC) and the official NSTA hotels listed below. Please refer to the sign in your hotel lobby for additional information and changes. For questions regarding the shuttle or to make an advance reservation for a wheelchair lift-equipped vehicle, please call the shuttle supervisor with Kushner & Associates at 310-274-8819, ext. 219.



Hotels and Boarding Locations

All routes board on the Northeast Level I at the BCEC

The Westin Boston Waterfront, Renaissance Waterfront*, and Seaport Hotel are within walking distance of the BCEC and are not part of the shuttle service (*with the exception of Renaissance for Friday/Saturday special events.)

ROUTE 1

Hilton Downtown/Faneuil Hall
Omni Parker House

Boarding Location

Curbside at Broad St.
NE Corner of Tremont and Beacon

ROUTE 2

Boston Park Plaza
Courtyard by Marriott Tremont
DoubleTree Hotel-Boston Downtown

Boarding Location

Curbside at Columbus Ave.
Curbside at Tremont St.
At Courtyard by Marriott Tremont

ROUTE 3

Hilton Boston Back Bay
Sheraton Boston

Boarding Location

At Sheraton Boston
Curbside at Dalton St.

ROUTE 4

Boston Marriott Copley Place
Fairmont Copley Plaza
Westin Copley Place

Boarding Location

Curbside at Huntington Ave.
At Marriott Copley Place
At Marriott Copley Place

ROUTE 5

DoubleTree Club Hotel-Boston Bayside

Boarding Location

Curbside in front

Hours of Shuttle Operation

Peak Service: Shuttles depart every 10–15 minutes

Off-peak Service: Shuttles depart every 20–30 minutes

Wednesday, April 2

Professional Development Institute (PDI) Shuttle between Hotels and the BCEC
PDIs 1–8 (ticket required)

Off-peak: 7:30–11:30 AM

No Shuttle Service

Conference Shuttle between the BCEC and the Hotels

11:30 AM–4:30 PM

Off-peak: 4:30–9:30 PM *

Thursday, April 3

Conference Shuttle between Hotels and the BCEC
Short Course Shuttle between Marriott Copley Place and the BCEC
(No shuttle service at other hotels between 10:30 AM–4:00 PM)

Peak: 6:30–10:30 AM

Off-peak: 10:30 AM–4:00 PM

Conference Shuttle between the BCEC and Hotels

Peak: 4:00–9:00 PM *

Friday, April 4

Conference Shuttle between Hotels and the BCEC
Short Course Shuttle between Marriott Copley Place and the BCEC
(No shuttle service at other hotels between 10:30 AM–3:30 PM)

Peak: 6:30–10:30 AM

Off-peak: 10:30 AM–3:30 PM

Conference Shuttle between the BCEC and Hotels (with a stop at the Renaissance)

Peak: 3:30–7:30 PM *

Conference Shuttle between Hotels and the Renaissance

Off-peak: 7:30 PM–12:30 AM**

Note: NSTA Teachers Awards Gala M-5 (ticket required) is at the Renaissance 6:15 PM to 8:45 PM

President's Mixer (open to all) is at the Renaissance 9:00 PM to 12 Midnight

Saturday, April 5

Conference Shuttle between Hotels and the BCEC
Short Course Shuttle between Marriott Copley Place and the BCEC
(No shuttle service at other hotels between 10:30 AM–4:00 PM)

Peak: 6:30–10:30 AM

Off-peak: 10:30 AM–4:00 PM

Conference Shuttle between the BCEC and Hotels
(with a stop at the Renaissance) NCAA Final Four Watch Party M-9 (ticket required)

Peak: 4:00–8:00 PM *

Conference Shuttle between Hotels and the Renaissance

Off-peak: 8:00 PM–12:30 AM**

Sunday, April 6

Conference Shuttle between Hotels and the BCEC

Off-peak: 7:30 AM–12:30 PM *

* This is the time the last shuttle from BCEC departs for the hotels. Last shuttle from hotels to BCEC departs one hour prior.

** This is the time the last shuttle from Renaissance departs for the hotels. Last shuttle from hotels to Renaissance departs one hour prior.