

Volume 6, No. 7**April 9, 2008 - Building a Presence for Science: Ohio eBlast****Contents:**

- 1. From the Ohio Resource Center: Ohio Literacy Institute**
- 2. K-12: From ODE: Standards-Based Science Instruction and Classroom Inquiry**
- 3. K-12: Deadline Approaches for NSTA 2009 National Conference Proposals**
- 4. K-12: NSTA Issues National Call for Entries for the 2008–2009 NSTA
New Science Teacher Academy**
- 5. K-12: Teachers, Coordinators, and Principals: Reading Apprenticeship Science Institute**
- 6. K-12: A free trial offer from BrainPOP**
- 7. K-12: EBSCO Publishing announces: GreenFILE**
- 8. K-12: April is Environmental Education Month in Ohio**
- 9. K-12: The Great Copy Machine Epidemic of 2008**
- 10. K-12: News from COSI: Girls Explore Archaeology and Summer Teacher Workshops**
- 11. K-12: From NASA: Opportunity to become a MESSENGER Educator Fellow**
- 12. K-12: Celebrate "Space Day In Your Neighborhood"**
- 13. K-12: A Collection from Federal Resources for Educational Excellence**
- 14. K-12: Your invitation to attend a... Town Hall Forum in Cleveland**
- 15. K-12: Monarch's Shrinking Habitat**
- 16. Gr 2-5: 2008 INSPIRE Summer Academy**
- 17. PK-3: Week of the Young Child 2008**
- 18. K-3: Case Studies in Science Education**
- 19. Gr 3-5: NOAA Debuts "Nautical Charts" A New Elementary Multimedia Tool**
- 20. Gr 6-8: PSI - Physical Science Investigations**
- 21. Gr 9-12: FREE High School Science Teacher Professional Development**
- 22. Gr 10-12: Central Regional Meeting of the American Chemical Society**

Contest Winners

Calendar: Upcoming Events/Opportunities/Deadlines
-----**1. From the Ohio Resource Center: Ohio Literacy Institute**<http://www.ohiorc.org/oli>

When: June 16 & 17, 2008

Where: Crowne Plaza Hotel Columbus-Dublin

*Participate in sessions that explore timely literacy issues and topics across grades and content areas

*Learn valuable strategies that can enhance instruction and student achievement in your school or district

*Meet award-winning Ohio authors of children's and young adult literature

*Discover Ohio-based educational resources

*Network with other literacy leaders from across the state

*Receive a CD of presentation materials, a \$30 book voucher, and many other professional recourses

2. K-12: From ODE: Standards-Based Science Instruction and Classroom Inquiry
<http://tinyurl.com/6qqk3f> (see note below about this URL)

From the standards-based science curriculum perspective, it is essential to differentiate processes, products and expectations to address learning needs throughout the learning cycle. Instructional and assessment practices employed throughout a learning cycle differ as students progress from engagement to exploration to explanation to expansion but always include ongoing collection of evidence of understanding and skills.

Note: The above URL is shortened from the actual URL, which is at the Ohio Department of Education web site. Click the Tiny URL above, and then proceed to the ODE site for the pdf document that discusses Standards-Based Science Instruction and Classroom Inquiry. To open the document, click on the title.

3. K-12: Deadline Approaches for NSTA 2009 National Conference Proposals
http://science.nsta.org/sessions/proposal_submission.asp

Don't delay! Proposals are now being accepted online for the NSTA 2009 New Orleans National Conference on Science Education, March 19–22, 2009. The deadline is April 15, 2008. Share your teaching experience with our attendees! Visit the online submission page to submit your proposal for the New Orleans conference.

4. K-12: NSTA Issues National Call for Entries for the 2008–2009 NSTA New Science Teacher Academy
<http://www.nsta.org/academy>

On April 1, NSTA announced a call for entries for the 2008–2009 NSTA New Science Teacher Academy. Cofounded by the Amgen Foundation, the NSTA New Science Teacher Academy is a fellowship program created to help promote quality science teaching, enhance teacher confidence and classroom excellence and improve teacher content knowledge. NSTA Fellows selected for the program will receive a comprehensive membership package, online mentoring with trained mentors who teach in the same discipline, and the opportunity to participate in a variety of web-based professional development activities, including web seminars. In addition, each NSTA Fellow will receive financial support to attend and participate in NSTA's 2009 National Conference on Science Education in New Orleans. This year's 150 new science teachers supported by the Amgen Foundation will be named Amgen-NSTA Fellows.

Science teachers located throughout the country who will be entering their second or third year of teaching and whose schedule is a minimum of 51 percent middle or high school science, can apply to become an NSTA Fellow. For more information about the NSTA New Science Teacher Academy or to learn how to apply to become a fellow, visit the web site noted above. Applications must be submitted no later than May 23, 2008, to be considered.

5. K-12: Teachers, Coordinators, and Principals: Reading Apprenticeship Science Institute
<http://www.wested.org/sli>

WHO: WestEd's Reading Apprenticeship Science Institute is designed for middle school and high school science teachers and teacher leaders eager to increase their ability to support students' access to challenging science texts and concepts. We encourage applications from school or district teams of science teachers and teacher leaders to provide local support for each other's efforts following the Institute.

WHAT: Participants will learn about the Reading Apprenticeship framework and instructional practices that support students' science literacy improvement; investigate how they and others make sense of science texts in order to coach and model effective thinking and reading processes in the classroom; explore content units that integrate science investigation with science literacy tasks; learn how to support students in becoming better science readers and learners; explore model Reading Apprenticeship science lessons to uncover the productive interplay of science literacy and science inquiry learning; examine their own classroom practice to refine and improve their practice of Reading Apprenticeship; learn powerful instructional strategies that support science reading, writing, and thinking; and explore multiple examples of students' reading and of Reading Apprenticeship science classrooms in action using video case studies.

WHEN: July 7-11, 2008

WHERE: Oakland, CA

COST: The cost for five days of professional development, materials, five continental breakfasts, and five buffet lunches is \$2,000 per person. Follow-up work on Reading Apprenticeship in Science is available through attendance at our annual Winter Conference, for an additional registration fee of \$350 per person.

HOW DO I APPLY?: For more information, please contact Jana Bouc at jbouc@wested.org

6. K-12: A free trial offer from BrainPOP
<http://www.brainpop.com/freetrial>

Attendees at the 2008 Boston conference were offered a free trial in BrainPOP – and we've been given permission to extend this offer to you. It's the perfect way to explore BrainPOP, BrainPOP Jr. and BrainPOP Español. Use the URL above to log on at BrainPOP on or before April 21, and sign up for your FREE, ALL-ACCESS 30-DAY TRIAL. Enter access code BOSTON2008 and start experiencing all that BrainPOP has to offer. (Feel free to share that code with other educators and decision-makers in your school or district so they can sign up too.)

With the increased national focus on science, there's no better time to start enhancing your lessons with BrainPOP content. BrainPOP groups its dozens of science-related movies into the categories of Energy; Matter & Chemistry; Diversity of Life; Earth System; Our Fragile Environment; Scientific Inquiry; Motions, Forces & Time; Cellular Life & Genetics; Ecology & Behavior; Weather; Space; and Famous Scientists.

Throughout April, an Earth Day minisite spotlights movies about the environment, covering topics from global warming and pollution to recycling and the Ice Age.

On BrainPOP Jr., you'll find relevant movies grouped into the categories of Animals; Energy; Forces; Habitats; Land; Matter; Plants; Space; and Weather. And don't miss Jr.'s newly launched Science Projects movie.

7. K-12: EBSCO Publishing announces: GreenFILE

<http://www.greeninfoonline.com>

GreenFILE is a bibliographic database of information about environmental concerns that indexes scholarly and general interest titles, as well as government documents and reports. This resource offers a unique perspective on the positive and negative ways humans affect the environment. Drawing on the connection between the environment and disciplines such as agriculture, education, law, health and technology, GreenFILE serves as an informative resource for anyone concerned about the issues facing our planet. The database contains nearly 300,000 records, full text for selected titles and searchable cited references for more than 200 titles as well.

8. K-12: April is Environmental Education Month in Ohio

<http://www.epa.state.oh.us/oeef/>

Governor Strickland has proclaimed April 2008 as Environmental Education Month in Ohio. Visit the Ohio EPA Office of Environmental Education's Web page for a copy of the proclamation, along with a list of Earth Day and other EE events around the state this month.

If you have additional April EE events open to the public that you would like Ohio EPA to post, please send them to oeef@epa.state.oh.us

Here are some ideas on how you might put the EE proclamation to use:

- * Make copies for key individuals at work and in your community (teachers, principals, local parks and nature centers, youth group leaders, churches, and so on)
- *Post copies in high-visibility areas at school and work
- *Have your class, youth group or Sunday school class create their own resolution about the environment.
- *Send copies of the resolution home with students, along with ideas for environmental activities that can involve the whole family (such as a nature walk, neighborhood beautification project, stream cleanup, tree planting...)
- *Send a copy to your neighborhood newspaper along with advance notification of a school-wide or neighborhood wide environmental improvement project.
- *Create a bulletin board of display featuring the resolution, surrounded by pictures and other graphics showing learners and others involved in an environmental education activity at school, in a park or at a camp, or around the neighborhood.
- *Provide learners with activity schedules for local parks, nature centers, museums and other environmental education opportunities.

Happy Earth Day, and Happy EE Month!

Carolyn Watkins, Chief, Office of Environmental Education
 Administrator, Ohio Environmental Education Fund
 Administrator, Ohio Clean Diesel School Bus Fund
 Ohio EPA
 P.O. Box 1049
 Columbus, OH 43216-1049
 Phone: (614) 644-2873
 Fax: (614) 728-1275
 e-mail carolyn.watkins@epa.state.oh.us

9. K-12: The Great Copy Machine Epidemic of 2008

<http://www.greatcopyepidemic.com/>

A website has sounded the alarm: "An unidentified contagious disease is striking school photocopiers across America, causing them to chew up trees at an amazing rate, using tremendous amounts of energy throughout the process, and contributing to a warmer world through climate change in a big way."

If you're looking for something new to engage your students this year as Earth Day approaches (April 22 in the U.S.), join in a national day of action to stop climate change on April 17 by putting your school photocopiers under quarantine and pledging not to make or use any photocopies in classes on that day.

But first you'll have to put together a team to diagnose what contagious disease is behind the outbreak in your school and come up with a fun, creative way to create a photo-diagnosis to share at the website. The school that "solves" this year's epidemic will receive the title of "Copy Crisis Team of the Year" along with a \$125 "tree-planting" grant for their school, generously provided by three teachers who have pooled their funds to make a difference.

10. K-12: News from COSI: Girls Explore Archaeology and Summer Teacher Workshops

<http://www.cosi.org>

Gr 6-8: Girls Explore ... Archaeology! on April 19

<http://www.cosi.org/educators/mentoring/girlsexploresearch/>

There are still a few openings in and scholarships available for Girls Explore...Archaeology! at COSI, April 19th. Girls in grades 6, 7, and 8 will take part in an inspiring day of hands-on activities and informative sessions led by women archaeologists, discussions with young women studying to be archaeologists about how and why they made their career choice, and have a great time learning about archaeology! The featured speaker will be Dr. Melinda Zeder, Director of the Smithsonian National Museum of Natural History's Archaeobiology Program.

"My Daughter Loves Math & Science... Now What?" (April 19)

Join the COSI Team and special guests for a workshop to help adults encourage the middle-school girls in their lives to pursue careers in math and science. You do not have to have a girl

enrolled in Girls Explore...Archaeology! to participate in this workshop for parents/teachers/mentors of middle school girls. Scholarships are available. Information is available at the web site above.

K-12: SUMMER CLASSES AT COSI

Take some time for you this summer. Start the 08-09 school year with process skill and inquiry-based lessons that you experienced during a summer class at COSI. Leave each workshop with multi-discipline lessons that connect to Ohio's Science Standards. Multiple entry points are provided to accommodate learners of all knowledge levels. Alternative assessments will be utilized. To register, go to www.cosi.org or call 228.COSI.

Workshop Fee: \$90

Workshop Hours: 8 AM to 4 PM

*Graduate credit is available through Ashland University and The Ohio State University for an additional fee.

June 16 - 17: Inquiry Into Chemical & Physical Change

Grade 4: Physical Science 1, 2, 3, 4

Grade 6: Physical Science 1, 2, 3, 4

June 18 - 19: Inquiry Into Weather

Grade 2: Earth Sciences 4, 5

Grade 4: Earth Sciences 1, 2, 3, 4, 5, 6

Grade 7: Earth Sciences 5, 6, 7, 8, 9

June 24 - 25: Inquiry Into Chemical & Physical Changes in COOKING

Grade 4: Physical Science 1, 2, 3, 4

Grade 6: Physical Science 1, 2, 3, 4

July 7 - 8 : Inquiry Into Electricity

Grade 5: Physical Sciences 3, 4

Grade 6: Physical Sciences 7

Grade 7: Physical Sciences 5

Grade 9: Physical Sciences 15

July 10 - 11: Inquiry Into Water

Grade 3: Earth Science 5, Life Science 6

Grade 4: Earth Science 2, 3; Physical Science 1, 4, 5

Grade 5: Earth Science 5, 6; Life Science 4, 5, 6

Grade 7: Earth Science 1, 2, 3, 4; Physical Science 1

July 21 – 22: Science and Literature

Kindergarten: Life Science 1,2,5,6 Earth and Space Science 2 Scientific Ways of Knowing 3

Grade 1: Earth and Space Science 1,3; Life Science 1; Physical Sciences 9

Grade 2: Life Science 2,3,7

Grade 3: Life Science 6; Scientific Ways of Knowing 3

July 28 - 29: CSI: The Science Involved in Solving Crimes

Grade 9: Science & Technology 1; Scientific Inquiry 3; Scientific Ways of Knowing 1, 2, 9

Grade 10: Life Science 27; Scientific Inquiry 4; Scientific Ways of Knowing 3, 4, 5, 7

Grade 11: Life Science 1, Scientific Inquiry 4, 5; Scientific Ways of Knowing 1, 11

Grade 12: Science & Technology, 1, 2; Scientific Inquiry 1; Scientific Ways of Knowing 1

July 30 – 31: Inquiry Into Biodiversity In A Prairie

Grade 3: Earth Science 4, 5; Life Science 1, 2, 6

Grade 4: Life Science 2, 5

Grade 5: Life Science 2, 3, 4, 5, 6,

Grade 6: Life Science 8

Grade 7: Earth Science 8; Life Science 2, 3, 4, 5, 6, 7, 8

Grade 8: Life Science 3, 5

August 7 - 8: Inquiry Into Force & Motion

Grade 1: Physical Sciences 5, 6

Grade 3: Physical Science 1, 2, 3, 4

Grade 8: Physical Science 1, 2, 3,

*All Teacher Workshops meet the following standards:

Science & Technology: 3.1, 5.2

Scientific Inquiry: 3.1-6, 4.1-6, 5.1-6, 6.1-4, 7.1-4, 7.7, 8.1, 8.3, 8.4

11. K-12: From NASA: Opportunity to become a MESSENGER Educator Fellow

<http://btc.montana.edu/messenger/teachers/ao.php>

National Center for Earth and Space Science Education

MESSENGER is a NASA Discovery mission that was launched in 2004. In January 2008, MESSENGER became only the second spacecraft ever to fly by Mercury, and the first to take pictures of the previously unseen side of the planet. After two more flybys, MESSENGER will go into orbit around Mercury in 2011 to begin a year-long, comprehensive study of the planet.

The National Center for Earth and Space Science Education is recruiting 30 practicing teachers or teacher trainers to become the next cadre of MESSENGER Educator Fellows. These Fellows help bring the excitement of this challenging mission to classrooms nationwide by training teachers on the Solar System-focused education materials written in support of the mission. The Fellowship includes an all-expense paid five-day training workshop in Washington, DC, in June 2008.

Applications are due April 18, 2008.

For more information, please contact Dr. Harri Vanhala the MESSENGER Educator Fellowship Program Manager at hvanhala@usra.edu

12. K-12: Celebrate "Space Day In Your Neighborhood"

<http://www.spaceday.org>

Space Day is May 2, 2008. The theme this year, "50 Years of NASA History," marks the golden anniversary of the historic organization. Please join us as we celebrate the past and look forward to a promising new era of inspiration, innovation, and discovery with NASA.

Visit the web site to access your own Space Day Tool Kit, with Lesson Plans, Event Organizers, and other recourses -- Perfect for creating "Space Day in Your Neighborhood!"

The Space Day program will give a FREE kit to the first 100 groups to register their "Space Day in Your Neighborhood" events.

The FREE kit will include:

- * 30 Orion Crew Exploration Vehicle Desk Models
- * 30 Space Day Pencil Cases, with pencils and pencil sharpeners
- * 30 Space Day magnetic decals
- * 30 NASA Design Challenge bookmarks
- * 1 printed Space Day Tool Kit
- * 1 Space Day backpack

Gr 7-12: Space Day Team America Rocketry Challenge

Space Day also is featuring a Rocket Contest for students in grades 7-12; students will work in teams of 3 or more to design, build and launch their own rocket. The winning teams share a prize pool of more than \$75,000 in savings bonds and cash. Space Day is contributing \$15,000 toward that prize, with \$5,000 going to each of the top three teams.

13. K-12: A Collection from Federal Resources for Educational Excellence:

K-12: National Environmental Education Week (NEEW)

<http://www.eeweek.org/>

(April 13-19, 2008) NEEW aims to increase the impact of Earth Day by creating a full week of educational preparation, learning, and activities in K-12 classrooms, nature centers, zoos, museums, and aquariums. Sign up to participate. Use Classroom Earth to find selected environmental education materials, including teachers' top 10 and materials for after school programs and home schooling. (National Environmental Education Foundation, Multiple Agencies)

Gr 7-8: Looking Good, Feeling Good: From the Inside Out (NIH)

http://free.ed.gov/resource.cfm?resource_id=2036

explores bone, muscle, and skin. Through seven lessons, students learn how the musculoskeletal and skin systems work, how cells contribute to each system, how the structure of bone relates to its function, how body systems interact, and how behaviors (such as exercise) and the environment (such as sunlight) influence body systems. Students develop lifestyle recommendations for maintaining healthy body systems. (National Institutes of Health)

Gr 9-12: Using Technology to Study Cellular and Molecular Biology (NIH)

http://free.ed.gov/resource.cfm?resource_id=2034

... introduces students to the concepts of scale, resolution, and probe size in cellular and molecular biology. Students play the role of a medical team that has discovered a muscle-wasting disease. They must choose which technology to use to investigate the disease (e.g., light microscopy) and must answer questions: What is the infectious agent? How does it cause disease? Is there a drug to treat or prevent it? (National Institutes of Health)

14. K-12: Your invitation to attend a... Town Hall Forum in Cleveland

Date: Thursday, April 10th

Time: 7:00 pm

Place: Idea center, Playhouse Square, 1375 Euclid Avenue

Fact: a recent study found that the U.S. was ranked near the bottom of other industrialized nations in math and science education.

Fact: Kids in much of the industrialized world are so far ahead of ours that some experts say only a radical restructuring of how we teach math and science will close the gap.

What do you think?

Join us for a lively discussion on the future of education in Northeast Ohio.

We need your thoughts and opinions for examining and improving our state's education.

Parents, students, school administrators, and local leaders – you are invited to participate in this town hall meeting which will be videotaped for broadcast on WVIZ/PBS! Call (216) 916-6318 to reserve your seat now. Watch WVIZ/PBS Wednesday, April 16 at 8:00 pm when this town hall meeting will be shown as part of our coverage of “21st Century Schools.”

15. K-12: Monarch's Shrinking Habitat

<http://www.journenorth.org>

Every year thousands of students across North America follow the migration of the Monarch butterfly as spring moves north. But this year, there may be a decline in the number making the trip. Satellite photos found by biologist Lincoln Brower at:

<<http://www.learner.org/jnorth/monarch/MonarchImages.html>> reveal there's been illegal clear-cutting in the forested areas of Mexico where many butterflies spent the winter last year. The problem was covered on the Public Radio International program, "The World."

Visit the "Journey North" site to find out more about the annual migrations of a range of critters, and watch how school classes report local sightings.

16. Gr 2-5: 2008 INSPIRE Summer Academy

<https://engineering.purdue.edu/INSPIRE>

The Institute for P-12 Engineering Research and Learning, INSPIRE at Purdue University is now accepting applications for 2008 INSPIRE Summer Academy.

Dates: July 27 – August 1, 2008

Are you interested in learning how to develop innovative methods for integrating engineering thinking into your classroom?

The 2008 INSPIRE Summer Academy is a week long program for 2nd - 5th grade educator teams. The educator teams must comprise a minimum of six educators from as many as three buildings in the same school district/corporation. The teams can be created from across disciplines (e.g. math, science, technology, and language arts), and can include administrators as well as teachers.

At the end of the Summer Academy, teachers will be able to:

- Convey a broad perspective of the nature and practice of engineering
- Communicate the difference and similarities between engineering and science thinking
- Discuss what engineers do and how they solve problems with students
- Use engineering problem-solving process such as design and model development to engage students in realistic open-ended problem solving

In addition, each participating educator will receive a \$750.00 stipend and the opportunity to obtain 3 graduate credit hours. Summer Academy participants traveling outside a 50 mile radius from Purdue University's West Lafayette, Indiana campus will receive an on-campus housing/food allowance and a travel stipend of up to \$400.00.

Application deadline is due May 1st, 2008

For more information contact Dan Somerville, dsomervi@purdue.edu

17. PK-3: Week of the Young Child 2008: Bring Communities Together for Children—Children Bring Communities Together

<http://www.naeyc.org/about/woyc/>

The Week of the Young Child is April 13-19, 2008! Tools and information for Week of the Young Child will help you plan exciting events to celebrate children and raise awareness of their needs. Check out resources at this web site and start planning ways to bring your community together for children!

18. K-3: Case Studies in Science Education

<http://www.learner.org/resources/series21.html#>

Created to promote excellence in early childhood education, Week of the Young Child is the perfect time to learn from the teachers featured in the Annenberg Media video series. The video libraries include several early childhood teachers working with their classes:

*Jennie—K: Jennie, a kindergarten teacher, wants to design grade-level appropriate science activities.

*Patricia—Grade 1: Patricia, a first-grade teacher, wants to increase her students' role in their learning.

*Jean—Grade 3: Jean, a third-grade teacher, searches for ways to meet the needs of diverse learners.

*Elsa—K: Elsa, a kindergarten teacher, is implementing discovery-oriented activities to make science more active.

*Ingrid—Grade 1: Ingrid, a first-grade teacher, works with students' ideas while focusing on specific learning goals.

*Richard and Jo-Ann—Grade 2: Richard and Jo-Ann, who teach second grade, are integrating both math and science into their classroom activities.

*Najwa and Pat—Grade 1: Najwa and Pat, first-grade teachers, want to teach special needs students more effectively in an integrated classroom.

*Linda—Grades 2-4: Linda, a resource specialist for second through fourth grade, works with teachers to help their students build scientifically accurate ideas.

In addition, the Annenberg site has additional videos that support science and other content:

*Watch "Teaching Reading K-2: A Library of Classroom Practices" to see how four kindergarten teachers approach literacy and oral language development with diverse students, many of whom are learning English as a second language. <http://www.learner.org/resources/series175.html>

* "The Arts in Every Classroom: A Video Library, K-5" offers a peek into well-functioning kindergarten classrooms. <http://www.learner.org/resources/series165.html>

*"Discovering Psychology: Updated Edition," Program 5, "The Developing Child," focuses on the theories of developmental psychologists and the nature/nurture debate. <http://www.learner.org/discoveringpsychology/05/e05expand.html>

* For an overview of the main topics in early childhood development and sound childcare practice, watch "The Whole Child: A Caregiver's Guide to the First Five Years" <http://www.learner.org/resources/series59.html>

19. Gr 3-5: NOAA Debuts "Nautical Charts" A New Elementary Multimedia Tool <http://www.gisuser.com/content/view/14371/28/>

NOAA's National Ocean Service has launched a new multimedia elementary educational program, Nautical Charts, at the annual meeting of the National Science Teachers Association in Boston.

Designed in cooperation with NOAA's Office of Coast Survey for students at the third through fifth grade level, the media rich activity teaches young people about charting and navigation. Nautical Charts is available online at http://oceanservice.noaa.gov/education/nautical_charts/.

The activity uses animation to teach chart symbols, safe boating, and why nautical charts are important. Students have access to movies, sounds, pictures, and links to other resources. This activity uses the same characters and methodology employed in a similar multimedia tool, Sea Floor Mapping, launched last year online at http://oceanservice.noaa.gov/education_new/seafloor-mapping/welcome.html.

“NOAA is delighted to be able to make available another marine science elementary educational tool,” said Louisa Koch, director of NOAA's Office of Education. “We are working hard at expanding our offerings so that marine science activities can become an increasing part of our nation's science educational efforts at all levels.”

"We're excited about this program," said Katie Ries, deputy director of NOAA's Office of Coast Survey. "We hope that this will spark a lifelong interest in navigation, the ocean and its many mysteries."

The multimedia offering is interactive and challenges students to solve a mystery as they encounter a message in a bottle that includes a scrap of nautical chart from Cape Hatteras. The mystery deepens through the message's reference to a gold ring. Students follow a series of questions and a scavenger hunt to uncover nautical chart basics and find the location of the ring.

The activity concludes with participants learning about the history and artifacts of the U.S.S. Monitor shipwreck, now part of the Monitor National Marine Sanctuary. A gold ring, from a crew member, was found in the Monitor's gun turret and now resides at the Mariner's Museum in Newport News, Va.

20. Gr 6-8: PSI - Physical Science Investigations

<http://www.wviz.org/psi>

Contains 10 video demonstrations, with teacher and classroom support materials.

Produced by WVIZ-TV/ideastream, aligned to Ohio's grades 6-8 science standards, and hosted by Dante Centuori, Education Director of the Great Lakes Science Center. Strengthens teacher content knowledge while providing students with mysteries that help them to investigate interactions in the physical world.

21. Gr 9-12: FREE High School Science Teacher Professional Development

Since 2002, ASM Materials Camps have introduced thousands of high school teachers and students to hands-on learning about the role of materials in our daily lives. These FREE, week long camps are held on college campuses throughout the United States during the summer. The five day hands-on training will be taught by fellow high school teachers at six Ohio locations. Earn free CEU credits or purchase two graduate credits for \$180. These camps are teacher created, tested, and fully aligned with Ohio science standards. For more information go to www.asmfoundation.org and click on “Materials Camp” then “For Teachers”.

22. Gr 10-12: Central Regional Meeting of the American Chemical Society

June 10–14, 2008

Columbus, OH, Hyatt Regency Hotel

<http://www.cermacs2008.org>

Education Program for High School Chemistry teachers:

Thursday, June 12th & Friday, June 13th

- The Education Program is designed to provide high school chemistry teachers with “real-world chemistry” content to use in the classroom
- Lectures and laboratory workshops will be presented by scientists and by high school science teachers who have taught the subject matter to their students
- The list of topics to be covered is provided below

We will be verifying up to 14 hours of Continuing Education Units for participating teachers who attend the Thursday and Friday sessions of the CERMACS 2008 Education Program. If you are interested in obtaining CEU credit, you must work with your Local Professional Development Committee (LPDC) prior to your participation in this event. Decisions regarding the awarding of CEUs are the sole responsibility of your local LPDC.

The ACS Division of Chemical Education Central Region Award for Excellence in High School Teaching (2008)

The purpose of the award is to recognize and encourage outstanding teachers of high school chemistry in the Central Region that have demonstrated excellence in teaching and student motivation, have participated in extracurricular activities related to Chemistry, and have made efforts to remain up-to-date in the field of Chemistry. Nominations for this award are currently being sought. Visit the CERMACS 2008 web site for information about this award and nomination forms.

Important dates

04/01/2008: Abstract Submission Closes
 05/19/2008: Hotel Room Block Closes
 05/19/2008: Advance Registration Closes

Contest Winners: Congratulations to the following teachers, who won a magnifier from Frey Scientific (from the Volume 6, No. 6 eBlast):

5th entry: Tami Golliday, Memorial High School, St. Marys
 (Key Leader: Phyllis Frysinger)
 10th entry: Leigh Johnson, Cedar Heights Elementary School, Lancaster
 (Key Leader: Cindy Roepcke)
 15th entry: Robin Goley, Dixie High School, New Lebanon
 (Key Leader: Chantelle Rose)

Note: Prizes for the 20th and 25th person to enter the contest (“How’s My Luck?”) were not awarded as insufficient entries were received! Message: It is never too late to enter!

Calendar: Upcoming Events/Opportunities/Deadlines

April 10, 2008: Town Hall Forum at WVIZ, Cleveland
Call (216) 916-6318

April 13 – 19, 2008: National Environmental Week
<http://www.EEWeek.org>

April 15, 2008: Deadline to submit proposals to present at NSTA New Orleans
http://science.nsta.org/sessions/proposal_submission.asp

April 15, 2008: Early bird deadline to register for Powerful Professional Learning in Science
<http://www.nsela.org/calendar/calendar.html#reg#reg>

April 18, 2008: Deadline to apply to become a MESSENGER Educator Fellow
<http://btc.montana.edu/messenger/teachers/ao.php>

April 19, 2008: Girls Explore ... Archaeology at COSI
<http://www.cosi.org/educators/mentoring/girlsexploresearch/>

April 21, 2008: Deadline to register for free trial from BrainPOP
<http://www.brainpop.com/freetrial>

April 22, 2008: Earth Day 2008
<http://ww2.earthday.net/~earthday/>

April 24 - 27, 2008: EECO Conference at Mohican State Park
<http://www.eeco-online.org>

May 1, 2008: Deadline to apply for the Presidential Award for Excellence in Science Teaching
<http://www.ode.state.oh.us/> <Teaching in Ohio> <Awards and Recognition> <PAEMST>

May 1, 2008: Deadline to apply for the INSPIRE Summer Academy, West Lafayette, IN
<https://engineering.purdue.edu/INSPIRE>

May 2, 2008: Space Day
<http://www.spaceday.org>

May 3, 2008: the Newark Earthworks Day
<http://www.OctagonMoonrise.org>

May 9, 2008: Deadline to apply for Toyota International Teacher Programs—Galapagos 2008
<http://www.iie.org/toyota>

May 9, 2008: Deadline for earth Day Photo Contest
<http://www.strategies.org/EarthDayPhoto>

May 10, 2008: State Science Day

<http://www.ohiosci.org/dsd1.htm>

May 15, 2008: Deadline to apply for Discovery Education Live Green Teacher Grants

<http://discoveryeducation.com/livegreen>

May 23, 2008: Deadline to apply for the 2008–2009 NSTA New Science Teacher Academy

<http://www.nsta.org/academy>

May 31, 2008: Deadline to apply for the Grants and Scholarships for Chemistry Teachers

<http://www.hachscientificfoundation.org/outreach.shtml>

May 31, 2008: Deadline to apply Penn State Science Workshops for Educators

<http://teachscience.psu.edu>

June 10-14, 2008: Central Regional Meeting of the American Chemical Society

<http://www.cermacs2008.org>

June 16 – 17, 2008: Ohio Literacy Institute in Columbus

<http://www.ohiorc.org/oli>

July 1, 2008: Applications for the next group of Astronauts are due

<http://www.nasa.gov/astronauts/recruit.html>

July 7-11, 2008: WestEd's Reading Apprenticeship Science Institute in Oakland, CA

<http://www.wested.org/sli>

July 14-15, 2008: Digital StarLab Workshop

contact rvarian@starlab.com

July 27-Aug 1, 2008: INSPIRE Summer Academy

<https://engineering.purdue.edu/INSPIRE>

October 15-18, 2008: NAAEE's 37th Annual Conference: EE on the prairie

<http://www.naaee.org>

To subscribe to the Building a Presence Science eBlast, please visit: <http://bap.nsta.org>
Follow the directions in the drop down menu from the second tab to become a Point of Contact.

To unsubscribe from the Building a Presence Science eBlast, please contact your Key Leader or email Mary Lightbody, State Coordinator for Building a Presence for Science in Ohio, at Lightbody.1@osu.edu