

Volume 6, No. 8

April 23, 2008 - Building a Presence for Science: Ohio eBlast

Contents:

Congratulations to Steve Frantz and his students from the Akron Schools

- 1. From the Ohio Resource Center: Safety in the Science Classroom**
- 2. From the Ohio Department of Education: Ohio Science Matrix**
- 3. GrK-5: Wanted: Building Principals to join the NSTA listserv: Scientific Principals**
- 4. NSTA Introduces: The Science Alliance for Elementary Schools**
- 5. Gr 3-5: The Mickelson ExxonMobil Teachers Academy Expands Opportunities**
- 6. Gr 5-9: Wanted: Presenters for the Middle School Share-a-thon in Cincinnati**
- 7. Science Enhancement Programs at Wright State University**
- 8. WeEXCEL Academies for Teachers of Science and Mathematics**
- 9. Announcing the SATELLITES-GIS Teacher Summer Institute**
- 10. PK-7: Upcoming COSI Teacher Workshops**
- 11. Gr K-12: Project WILD, WET, and Learning Tree Workshops Summer 2008**
- 12. Gr 9-16: Super Summer Opportunity: the 17th SAM workshop**
- 13. Gr 4-8: Free online clouds book**
- 14. K-12: A Free Energy Resource**
- 15. K-12: PADDLE QUEST 2008**
- 16. Gr 5-12: Spring 2008 Cassini Scientist for a Day Contest**
- 17. Gr 5-12: Introducing Selene: A Lunar Creation Game.**
- 18. Gr 9-12: Student Scholarship opportunity:**
- 19. Gr 11-12: Summer Opportunity: Ways of Knowing Water Workshop June 19 - 25**

Calendar: Upcoming Events/Opportunities/Deadlines

Congratulations to Steve Frantz and his students from the Akron Schools

<http://www.globe.gov>

A team of students from Akron and their teacher Steve Frantz participated in the SATELLITES student conference. They then entered their project into the GLOBE Learning Expedition competition and won a trip to South Africa this coming June. They are being recognized on the front page of the GLOBE website now, so you can visit the URL above to learn more.

They set up some cool podcast on their website including meetings with Senator Voinovich and Representative Sutton.

<http://web.mac.com/steven.frantz/iWeb/Site/Welcome.html>

Please take a look and take a moment to congratulate the students and Steve. They have truly done some amazing things.

Submitted by Kevin Czajkowski, Director of the Geographic Information Science and Applied Geomatics (GISAG) Lab, University of Toledo

1. From the Ohio Resource Center: Safety in the Science Classroom

<http://www.ohiorc.org/for/science/safety.aspx>

Each resource in this ORC collection for Science Educators has a short overview and a full description. The short overview includes the URL for the resource, an indication of the type and discipline of the resources, an alignment with the standards, connection to career fields, and a professional commentary. Each resource can be added to your ORC Collection for easy reference later.

This set includes links to safety sites; the summer might be a good time for us all to review our safety procedures, so these resources will come in handy. Enjoy and be safe!

2. From the Ohio Department of Education: Ohio Science Matrix

https://ims.ode.state.oh.us/ode/ims/oattoolkit/science/SC_Focusing.asp

Last fall the Office of Curriculum and Instruction sponsored a series of regional meetings to assist districts in preparing for the Science OAT. During those sessions participants were introduced to a sampling from The Ohio Science Matrix. At the time of these meetings, this tool was under development. It is now completed for Grades 3-5 and Grades 6-8. It can be found on the ODE Website, in the OAT Toolkit, located on the IMS.

The Ohio Matrix provides background information and explanations aligned to Ohio's Academic Content Standards in Science. The matrix, organized by benchmarks, has three sections.

The first section, Ohio's Benchmark, lists the benchmark and its associated indicators. The second section, Implications for Instruction, provides clear, concise information in the following four categories:

- Clarification for Instruction;
- Connections to Other Benchmarks;
- Connections to the Previous Grade Bands;
- Connections to the Next Grade Bands.

This information may serve as guidance for teachers and may reference terms or resources not explicitly stated in the benchmarks or grade-level indicators. It provides relevant grade-band-appropriate information for classroom teachers on the benchmarks and indicators.

The third section, Teacher Background, provides background on the content covered in the benchmarks in Ohio's Academic Content Standards for Science. The resources in this section provide informative, grade-band-appropriate content explanations for classroom teachers. By following the links, users can access supporting materials from several national science standards-based documents. (It may be necessary to use the section headers and page numbers given in order to access the appropriate portion of the document or Web site.)

3. GrK-5: Wanted: Building Principals to join the NSTA listserv: Scientific Principals <http://www.nsta.org/publications/archive-principals.aspx>

Read through the titles of topics addressed in past issues (available on the archives page) for this informative listserv, and decide whether it would be worth getting your principal to subscribe! I'll bet the answer is YES!

4. NSTA Introduces: The Science Alliance for Elementary Schools

The Science Alliance for Elementary Schools is an easy to implement, professional development opportunity that will provide administrators and up to five of their faculty with tools to ensure that they are well-prepared to teach science.

Offering all the benefits of a one-year electronic NSTA membership, elementary schools can participate in The Science Alliance for a fee of only \$100 a year per school!

Other benefits include:

- * Huge savings on NSTA conference registration (which would include the conference in Cincinnati December 4-6, 2008) <http://www.nsta.org/conference>
- * 20% discount on more than 200 books in the NSTA Science Store <http://www.nsta.org/store>
- * Free, unlimited electronic access to NSTA's award-winning elementary journal Science and Children <http://www.nsta.org/elementaryschool>

Go to <http://www.nsta.org/sciencealliance> for more information or to apply for the Science Alliance!

If you're at the middle, high, or college level, please go to <http://www.nsta.org/membership> for information on NSTA's other membership categories.

5. Gr 3-5: The Mickelson ExxonMobil Teachers Academy Expands Opportunities <http://www.sendmyteacher.com>

The Mickelson ExxonMobil Teachers Academy recently announced a new way for elementary school teachers to get a chance to attend the 2009 Mickelson ExxonMobil Teachers Academy and improve their math and science teaching skills.

Students can nominate teachers from Grades 3, 4, and 5 or urge them to apply for an all-expense paid trip to the Academy's math and science professional development program by logging on to www.sendmyteacher.com, an interactive website.

Developed in conjunction with the National Science Teachers Association and Math Solutions, the Mickelson ExxonMobil Teachers Academy enables teachers to hone their science and math teaching skills, enhance their curricula, and discover innovative new ways to inspire students.

The teachers will spend five days next July at the Liberty Science Center in Jersey City, NJ, deepening their understanding of mathematics and science content, building expertise in facilitating student learning through problem solving and inquiry, and using links between math and science that support student learning and understanding in the classroom.

Teacher applications are due by October 31, 2008. The National Science Teachers Association and the National Council of Teachers of Mathematics will convene a panel of math and science experts to evaluate the entries and announce the selections in February 2009.

The 2008 Mickelson ExxonMobil Teachers Academy will host more than 600 teachers in Houston, Texas; Baton Rouge, Louisiana; and Jersey City, New Jersey. To date, nearly 1000 teachers have attended the Mickelson ExxonMobil Teachers Academy.

6. Gr 5-9: Wanted: Presenters for the Middle School Share-a-thon in Cincinnati

The Middle Level Committees are looking for Share-A-Thon presenters for the 2008 Fall NSTA Regional Conferences (Cincinnati: December 4-6, and Portland: November 20-22)

For the Share-A-Thon, each presenter will stand in front of the group and giving a 5-8 minute overview of their lesson or unit, and answer any questions. Then the next presenter will have his or her turn. At the end of all presentations, copies of CDs will be passed out to the attendees. (Middle Level teachers are Green: the CD lowers the amount of papers for everyone involved.)

If you have every considered presenting, but have been worried about taking a whole hour, the Middle Level Shares are a great way to "try out" presenting. Interested? Contact Susan German, Middle Level Director, at sgerman@hallsville.org. Please respond by May 1st in order to be listed in the final program schedule.

7. Science Enhancement Programs at Wright State University

<http://www.wright.edu/excel/>

Want FREE graduate credit? Want to receive a stipend and a certificate for up to 120 contact hours? Want free classroom equipment? Want to work with colleagues from your district and from your school?

For more information about our Science Enhancement Programs and to apply, check out www.wright.edu/excel/ and click on ITQ. Now accepting applications! - Deadline is May 16, 2008

8. WeEXCEL Academies for Teachers of Science and Mathematics

<http://www.wright.edu/excel/>

Want FREE graduate credit (optional)? Want to receive a stipend and a certificate of contact hours completed? Want to work with colleagues from your district and from your school? Check out our one-week math and science academies held at Wright State University and the University of Dayton by going to www.wright.edu/excel/ and clicking on MSP. Now accepting applications! - Deadline is May 30, 2008

9. Announcing the SATELLITES-GIS Teacher Summer Institute

Where: The University of Toledo

When: July 14-18, 2008, 8 am to 4:30 pm each day

Focus on GIS and GLOBE Hydrology Protocols

Space is limited and is open to teachers who took general SATELLITES institute, first come first served

This summer institute, SATELLITES-GIS, is a follow-on to the first SATELLITES institute. This is your opportunity to get a more in-depth background in geographic information systems (GIS). In this institute, teachers and students will go into more depth in geographic information systems (GIS). Teachers will use the Mapping Our World: GIS Lessons for Educators Textbook to learn how to import data, overlay layers and analyze data to produce a result. Students will participate in watershed observations using GLOBE protocols.

Teachers will learn how to implement the above topics into their curriculum and tie them to the Ohio Academic Content Standards.

PARTICIPANTS RECEIVE

- v FREE institute, breakfasts & lunches
- v GLOBE certification in Hydrology protocols
- v Mapping My World: GIS Lessons for Educators Textbook
- v FREE ArcGIS Software (valued at ~\$2,000)
- v Water sampling equipment (valued at ~\$400)
- v Course & classroom materials

PARTICIPANT REQUIREMENTS

- v Attend a five-day institute & complete all activities during institute
- v Participate in GLOBE project & inquiry-based investigation through a specified local field campaign
- v Submit classroom project created from GLOBE field campaign Investigation
- v Submit a reflective document describing the outcomes of your class's participation in the field campaign investigation & class project
- v Participate in pre and post testing of students.

TEACHER INSTITUTE TEAM

Dr. Kevin Czajkowski, an Associate Professor in Geography and Planning at The University of Toledo, performs research in thermal remote sensing, land use/ land cover change, and water quality. He uses satellite imagery in urban and agricultural applications including urban sprawl.

Dr. Mikell Lynne Hedley, is Research Assistant and Teacher Outreach Coordinator for the SATELLITES and GLOBE projects at the University of Toledo. GLOBE is an international program where students collect Earth's surface temperature data to validate satellite imagery. Mikell Lynne recently finished her Ph.D. in Curriculum and Instruction.

Dr. Art Samel, Associate Professor and Chair of the Department of Geography and Bowling Green State University. His research interests include the East Asian monsoon over China and regional climate prediction. He is currently working on a book called *The Atmosphere and Its Geography*.

To apply, send the following to Mikell Lynne Hedley (mikell.hedley@utoledo.edu)

Your Name _____
 Home Address _____
 Home Phone _____
 Email Address _____
 School District _____
 School Name _____
 School Address _____
 School Phone _____
 Grade(s) Teaching _____
 Subject(s) Teaching _____

Funding provided by the Northwest Ohio Center of Excellence in Science and Mathematics Education (NWO).

Submitted by Kevin Czajkowski

Associate Professor

Director of the Geographic Information Science and Applied Geomatics (GISAG) Lab

Department of Geography and Planning and Lake Erie Center

The University of Toledo

Toledo, OH 43606

419-530-4274

fax: 419-530-7919

kczejko@utnet.utoledo.edu

10. PK-7: Upcoming COSI Teacher Workshops

Leave each workshop with multi-disciplinary lessons that connect to Ohio Academic Content Standards. Actively participate in a workshop that models inquiry-based science content instruction. Multiple entry points are provided to accommodate learners of all knowledge levels. Call COSI at 614.228.2674 to register, or visit www.cosi.org for more information.

Our summer 2008 teacher workshop schedule is now posted at

<http://www.cosi.org/educators/professional-development/>.

Inquiry Into Chemical & Physical Change

June 16-17, 2008

Grades 3-7, 8am-4pm (both days), \$90.

Identify and describe states of matter. Differentiate chemical and physical changes that are part of our daily lives.

Ohio Academic Content Standards: Physical Science 4.1-4, 6.1-4

Inquiry Into Weather

June 18-19, 2008

Grades 2-7, 8am-4pm (both days), \$90.

Make and take weather instruments. Use process skills to predict the weather. Offered in partnership with Franklin County Metro Parks.

Ohio Academic Content Standards: Earth Sciences 2.4-5, 4.1-6, 7.5-9

Inquiry Into Chemical & Physical Changes in Cooking

June 24-25, 2008

Grades PreK-4, 8am-4pm (both days), \$90.

Identify and describe chemical and physical changes using kid-friendly foods and recipes.

Ohio Academic Content Standards: Physical Science 4.1-4, 6.1-4

COSI

333 West Broad Street

Columbus, OH 43215

614.228.2674

www.cosi.org

11. Gr K-12: Project WILD, WET, and Learning Tree Workshops Summer 2008

<http://www.dnr.state.oh.us/wildlife>

<Wild Resources> <View Resources>

This is just a friendly reminder that there are a lot of great workshops coming up this summer across the state. We have a series of WILD School Sites workshops, An Advanced WILD on Art and more! Go to the web site for information on fees, graduate credit, and registration information.

Combined Project WILD and Aquatic Project WILD Workshop

Friday June 20, 2008

8:00am to 3:30pm

Location: Greenacres Foundation, Izaak Walton League Lodge, Loveland, OH

Combined Project WILD, Project WET, and Project Learning Tree Workshop

July 10-11, 2008

9:00am to 4:00pm each day

Location: Zane State College, Natural Resources Center, Zanesville, OH

Combined Project WILD, Aquatic Project WILD, and Project Learning Tree Workshop

July 28-29, 2008

Mon 9am-4pm, Tue 8:30am-4pm

Location: Old Woman Creek Reserve, E. Huron, OH 44839

Art of the WILD--An Advanced Project WILD Workshop

Monday, August 11, 2008

9:00am to 4:00pm

Location: Old Woman Creek Research Reserve, Huron, OH

WILD School Sites Workshop

Friday,

May 16, 2008

9:00 am to 3:00 pm

Location: Fairless Middle School Navarre, Ohio

WILD School Sites Workshop

Tuesday, June 17, 2008

9:00am to 4:00pm

Location: Old Woman Creek Research Reserve, Huron, OH 44839

WILD School Sites Workshop

Friday June 20, 2008

9:00am to 4:00pm

Location: Division of Wildlife--District One Office, Columbus, OH 43215

Using Local Research in the Classroom

Monday August 4 and Tuesday August 5, 2008

9:00am to 4:00pm each day

Location: Old Woman Creek Research Reserve, Huron, OH 44839

To find out more about great professional development opportunities this summer, don't forget to sign up for the Wild Ohio e-Newsletter Educator Version. You can sign up online on our site at www.wildohio.com You can use your home and school email to stay in touch over the summer!

12. Gr 9-16: Super Summer Opportunity: the 17th SAM workshop

<http://mathmachines.net/workshops.htm>

This summer, Bob Chaney and Fred Thomas will be conducting the 17th SAM workshop in Marysville, OH (18 miles NW of the Columbus I-270 loop on US route 33). The workshop will be June 23-27 with a follow-up session in October. This workshop is different from earlier ones since it will emphasize computer-controlled math machines, rather than the calculator-controlled versions. Each participant is asked to bring a school or individual Windows laptop computer so we can be certain that everything is ready for you and your students to operate the math machines after the workshop.

Participants will make and take an Algebraically Controlled Vehicle (ACV) which lets students input free-form equations (ranging from linear equations like " $v = v_0 + at$ " through to trig or exponential functions and more). The student can then see immediately if the ACV actually carries their school mascot across the table or floor in the way they intended. The LabVIEW source programs will be available for participants who want them, but the workshop emphasis is on easy-to-use executable software. **NO PROGRAMMING IS REQUIRED EXCEPT THE MATH ITSELF!**

Participants will leave the workshop with 3 math machines (the ACV, a pointer and an RGB Color Mixer), a Vernier SensorDAQ interface, 2 probes, Word activity files and all the software they need. Thanks to Honda's sponsorship, the cost per participant is just \$200—about the same as a SensorDAQ alone.

The workshop is open to high school and introductory college teachers of math, science, engineering or technology. Preference goes to teachers in a 12-county region nearest Honda's operations (Allen, Auglaize, Champaign, Clark, Darke, Delaware, Franklin, Hardin, Logan, Madison, Marion, Mercer, Miami, Shelby and Union Counties). Previous SAM workshop participants are welcome and we might even negotiate a way for you to expand your fleet of calculator-controlled SAMs if that is what you prefer.

Submitted by Dr. Fred Thomas
 Learning with Math Machines, Inc.
 1014 Merrywood Drive
 Englewood, OH 45322
 Voice phone: 937-832-0792
 Fax: 614-455-0856
 Email: fred.thomas@mathmachines.net
 Web: www.mathmachines.net

13. Gr 4-8: Free online clouds book

<http://www.nostudentleftindoors.com/Cloudbook.html>

This free online resource/reading book for teaching about cloud formations and weather is formatted as a 34-page 8.5" X 11" PDF file. It is written at a 5th grade reading level, but is appropriate as a teaching resource or classroom reader aligned to the 7th grade Earth Science indicators. It is intended for color printing, but is equally useful using grayscale printing.

Submitted by George Viebranz, Executive Director
 Ohio Mathematics and Science Coalition
 www.OhioMSC.org
 The Idea Center
 1375 Euclid Avenue
 Cleveland, OH 44115

14. K-12: A Free Energy Resource

<http://www.nationalacademies.org/energybooklet>

The National Academies recently published *What You Need to Know About Energy*, the first in a series of informational booklets designed to engage readers in current topics in science, engineering, and medicine. Developed under the leadership of the Division on Engineering and Physical Sciences' Board on Energy and Environmental Systems, the 32-page booklet draws on National Research Council reports and studies and provides basic and reliable information about energy for a general audience.

To order multiple free copies for classroom or other nonprofit use, please contact Terrell Smith at tsmith@nas.edu. We also welcome suggestions for other organizations and programs that might find this booklet useful.

15. K-12: PADDLE QUEST 2008

<http://www.gandermountain.com> or <http://www.ohiodnr.com>

Have some fun, and enter a contest to win a pair of Kayaks! Grab your boat, paddle, and life jacket and join us as we search for fun and adventure during Paddle Quest 2008. In co-operation with Ohio State Parks and the Ohio Division of Watercraft, Gander Mountain hosts this 10 event series of canoeing and kayak events across the Buckeye State. Discover the great paddling water that's right in your back yard as we explore 9 of Ohio's most beautiful State Parks.

The fun begins on May 10th when we visit Shawnee State Park near Portsmouth. Each Paddle Quest event launches at 10 am sharp with event day check in beginning at 8 am. Each registered participant will be entered to win great prizes at the event, and the Paddle Quest Series Grand Prize, a matching pair of kayaks, to be awarded at the series conclusion September 20th at Salt Fork State Park.

And don't forget about lunch, we'll be hosting a cookout picnic at each Paddle Quest Event.

Here's the best part, there is no cost to participate. Paddle Quest is FREE!. So sign up today. Pre-registration is required. Register at www.gandermountain.com or at any Ohio Gander Mountain Store. See store associate for details. For a complete schedule of events visit

Date Location

5/10 Shawnee State Park

5/31 Burr Oak State Park

6/14 Hueston Woods State Park

6/28 Deer Creek State Park

7/12 Salt Fork State Park

7/26 Mohican State Park

8/9 Geneva State Park

8/23 Punderson State Park

9/13 Maumee Bay State Park

9/20 Salt Fork State Park

16. Gr 5-12: Spring 2008 Cassini Scientist for a Day Contest

<http://saturn.jpl.nasa.gov/education/scientist/>

The Cassini Scientist for a Day contest challenges students to become NASA scientists studying Saturn. Participants are challenged to examine three target images taken by Cassini and choose the one that they think will yield the best scientific results. This choice must then be explained in a 500-word essay.

The contest is open to all students in the United States from grades 5-12, working alone or in groups of up to four students. The essays will be divided into three groups: grades 5-6, 7-8 and 9-12. All submissions must be students original work. Each student can submit only one entry. Deadline for Spring 2008 submissions is noon Pacific time (3 p.m. EDT) on May 8, 2008 .

If you have questions about this contest, please e-mail your inquiries to scientistforaday@jpl.nasa.gov

17. Gr 5-12: Introducing Selene: A Lunar Creation Game.

<http://selene.cet.edu>

Educators asked NASA for authentic, hands-on activities for learning hard science. Educators asked for instruction that involves students with real scientists. Selene does all this while helping students in grades 5-12 to achieve National Education Science Standards for Earth and space science.

During the Selene game, players create the early Moon and then evolve its surface by throwing projectiles and erupting lava flows. Gameplay is followed by a 15 minute presentation by lunar scientist Chuck Wood, using authentic NASA images to illustrate the origin and evolution of the Moon.

The NASA-sponsored "Classroom of the Future" at the Center for Educational Technologies at Wheeling Jesuit University in Wheeling, WV, brings you this opportunity as part of an ongoing NASA research study on videogame learning. We are in phase 2 of data collection and need about 1000 players.

While helping NASA researchers study some key videogame design principles the Selene videogame is also a great opportunity for students ages 13-18 to learn about lunar geology. Players are guided through Selene by the director of the Center for Educational Technologies, Chuck Wood, an internationally known lunar geologist who writes a monthly column on the moon for Sky and Telescope and who is the author of "The Modern Moon: A Personal View". The game features excitement of gameplay - but with an opportunity to learn plenty about Earth's glowing satellite and how planets and moons are formed.

The game is quite an experience for students. Since this is a research study, the opportunity is available only to students who have been recruited by adults like you!

Please consider giving students this opportunity to take part in real NASA research by serving as an adult recruiter for Selene research participants.

(We even have students across the country using Selene to conduct their own videogame research! Contact us if your students want to establish a research partnership.)

To sign on as a recruiter or to find out more, contact the Research Department at the Center for Educational Technologies by e-mailing selene@cet.edu

Be sure to provide your contact information, including your phone number and time zone.

As one student who tested the game said, "It made me want to get out my telescope!"

Take this opportunity to be a genuine pioneer on the frontiers of cyber learning available to the young people you know. You can also help us by passing this information along to your friends and colleagues.

This research is ongoing. Your participation will go a long way in advancing teaching and learning. Thank you.

Submitted by Lisa McFarland, Research Assistant-Selene Project
<http://selene.cet.edu> or <http://www.cet.edu>
Center for Educational Technologies®
Home of the NASA-sponsored Classroom of the Future™
Wheeling Jesuit University
316 Washington Avenue
Wheeling, WV 26003
FAX: 304.243.2497
Phone: 304.243.2479
lisamc@cet.edu
selene@cet.edu

18. Gr 9-12: Student Scholarship opportunity:

<http://www.ohiosci.org/ScholarshipApplication.pdf>

This is a good day to remind everyone to look ahead to June 1, the postmarked deadline for Ohio Environmental Science & Engineering Scholarships sponsored by the Ohio Environmental Education fund and administered by The Ohio Academy of Science. An application is available at the web site above.

The scholarship amounts to \$1,250 for students at two-year programs and \$2,500 students at four or five year programs.

These merit based, non-renewable, scholarships will be given to undergraduate students admitted to Ohio state or private colleges and universities who can demonstrate their knowledge and commitment to careers in environmental sciences or environmental engineering. Students must be in the final year of the program by the autumn term. Awardees will be selected by an Academy appointed panel using a blind review process. Scholarships may be used for tuition, fees, books, personal protection equipment, tools, instruments and field equipment but not housing.

19. Gr 9-12: Summer Opportunity: Ways of Knowing Water Workshop June 19 - 25

email Rick Livingston at Livingston.28@osu.edu or call 614-247-6763

Interested in teaching about the environment? Looking for place-based strategies to engage your students? Ways of Knowing Water is a five-day cross-disciplinary workshop focusing on Central Ohio's rivers and watersheds. Sponsored by OSU's Humanities Institute and the Watershed Management Program, WKW is open to teachers in all fields—sciences, arts and humanities—looking to develop standards-based lessons to enhance student awareness of issues in our local environment. Walk the river from the wetlands to the Whittier peninsula, meet with local watershed professionals and activists, learn about the history, science, culture and politics of watershed management in our region. Organized in conjunction with a summer-long exhibit at OSU's Urban Arts Space, the workshop will include tours of the Schiermeier Wetlands Research Park, the refurbished Lazarus "green building," and discussion of plans for the new Grange Audubon Nature Education Center. The workshop will run June 19 - 25 (a break over the weekend) and has space for up to 24 participants. Some preference will be given to 11-12th grade teachers.

Calendar: Upcoming Events/Opportunities/Deadlines

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 1, 2008: Deadline to reply to Susan German for the Middle School Share-a-thon in

Cincinnati (Vol6/8) sgerman@hallsville.org

May 2, 2008: Space Day

<http://www.spaceday.org>

May 3, 2008: the Newark Earthworks Day

<http://www.OctagonMoonrise.org>

May 8, 2008: Deadline to submit Cassini Scientist for a Day entries

<http://saturn.jpl.nasa.gov/education/scientist/>

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 16, 2008: Deadline to apply for the Science Enhancement Program at Wright State

<http://www.wright.edu/excel/>

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

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

May 30, 2008: Deadline to apply for the WeEXCEL Academy

<http://www.wright.edu/excel/>

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 1, 2008: Deadline for Ohio Environmental Science & Engineering Scholarship applications

<http://www.ohiosci.org/ScholarshipApplication.pdf>

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>

October 31, 2008: Deadline to apply for The Mickelson ExxonMobil Teachers Academy
<http://www.sendmyteacher.com>

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