

## Volume 1, No. 7

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### 1. **K-12: BaP Volunteers: You are invited to an Ice Cream Social in Akron**

<http://www.secoonline.org/conference.htm>

All Building a Presence for Ohio volunteers (Points of Contacts, Key Leaders, Super Key Leaders, State Partner representatives, and SECO Board members) are invited to an Ice Cream Social at the SECO Professional Development Conference in Akron, on **Thursday, February 16, 2006**, 5:00 – 6:30 pm. Come to meet each other, to get free ice cream, and let us thank you in person for your help getting BaP Ohio launched. Sponsored by LabAids, a BaP Ohio State Partner, the Ice Cream Social will also provide a time for us to answer any questions you might have, and for networking face to face among BaP volunteers. You must be registered for the conference to attend, and the Early Bird deadline to register is 12/15/05. Make this the year you come to the SECO Professional Development Conference; I hope to see you there!

### 2. **K-12, from ODE: The Instructional Management System (IMS)**

<http://ims.ode.state.oh.us/ode/ims/Default.asp?bhcp=1>

The Ohio Department of Education (ODE) has numerous instructional resources for Ohio teachers on the Instructional Management System (IMS) Web page. It is a user-friendly site for accessing information on academic content standards, model lessons, assessment and research. There are 186 Science Model lessons for Pre Kindergarten through grade 12. Each model lesson is aligned to an academic content standard benchmark and contains a pre-assessment and post-assessment. Lessons can be rated by teachers who review and/or use the lessons. The IMS also contains science research. An awareness of current research and knowledge can help educators select and implement effective teaching practices that will meet the needs of all students and ensure deep learning of the content. The evidence base of research and expert knowledge is useful for teachers who are planning instruction, educators developing curricula and planning professional development and for all members of the Ohio education community interested in knowing more about how students learn. The review of research focuses on an evidence base for science: Classroom Assessment in Science Education; Equity in Science Education; Life Sciences; Physical Sciences; Science in the Early Grades; Scientific Inquiry and Scientific Ways of Knowing.

### **3. K-12, from ODE: Assessment Updates**

<http://www.ode.state.oh.us/proficiency/>

The 5th grade and 8th grade Science Achievement tests will be field tested during the first week of April 2006. The schools participating in the field tests include a representative sample of Ohio schools. When the tests becomes Operational (e.g., a part of district report cards), they will be administered in May, 2007. The OGT will be administered again during March 13-26, 2006 and July 10-31, 2006.

### **4. K-12, from ODE: Assessment Committees**

<http://www.ode.state.oh.us/proficiency/>

The ODE Office of Assessment is receiving nominations from Ohio educators to be selected for state-wide assessment committees (i.e., Content Advisory Committee, Rangefinder Committee, Fairness/Sensitivity Committee).

### **5. K-12, from ODE: Last Call: eLearning – Online PD: Registration closes 12/15/05**

<http://www.etech.ohio.gov/go/hallpass>

eTech Ohio and the Ohio Department of Education are offering new eLearning Online Professional Development courses. Registration will be on a first-come, first-served basis, beginning Tuesday, November 1, 2005, through Thursday, December 15, 2005. Registration will take place using the eTech Ohio Opportunity Tracking Tool. Registrants will need to login with an existing Hall Pass account or create a new account to begin the registration process at The science courses offered are: Ohio Science Institute Module A, B, C (OSCI) Earth Science; Ohio Science Institute Module A, B, C (OSCI) Life Science; Ohio Science Institute Module A, B, C (OSCI) Physical Science The courses will range from three to 10 weeks, depending on the content of each course. Graduate credit or certificates of participation will be offered for each course. Detailed course information and registration is available Tuesday, November 1, 2005, through Thursday, December 15, 2005, at <http://www.etech.ohio.gov>.

If you have any questions, please contact [elarning@etech.ohio.gov](mailto:elarning@etech.ohio.gov) or 800.644.6761.

### **6. K-12: ODE announces the Mathematics and Science Partnerships (MSP) Grants**

[http://www.ode.state.oh.us/vendor/RFPs\\_RFQs.asp](http://www.ode.state.oh.us/vendor/RFPs_RFQs.asp)

The No Child Left Behind legislation authorizes a Mathematics and Science Partnerships (MSP) program. MSP is intended to increase the academic achievement of students in mathematics and science by enhancing the content knowledge and teaching skills of classroom teachers. The MSP grants will provide a continuation of professional development initiated by the Ohio Mathematics Academy Program (OMAP) and the Ohio Science Institute (OSCI) program aimed at the improvement of mathematics and science instruction in grades 3-6 and grades 7-10. As the responsible party for the administration of this program in Ohio, the ODE will award MSP grants up to \$500,000 in February 2006 to eligible partnerships. A partnership must include a science, technology, engineering or mathematics (STEM) department of an institute of higher education (IHE) and a high-need local education agency (LEA). For the purposes of this grant, high-need LEA(s) are defined as those districts that:

- Have student achievement scores below 75% on statewide assessments for mathematics and/or science; or
- Serve high numbers of students from families with incomes below the poverty line; or
- Employ a high number of teachers who do not have “Highly Qualified Status” in the academic area or subjects they are assigned to teach.

### **7. K-12: from the ORC: Let It Snow, Let It Snow, Let It Snow**

[http://www.ohiorc.org/bookmark/view\\_a\\_folder.aspx?mid=23278644&folderID=3162](http://www.ohiorc.org/bookmark/view_a_folder.aspx?mid=23278644&folderID=3162)

It seems to me that you either love Ohio's winter weather or you hate it! Either way there's plenty of good science to explore while contemplating Ohio's winter weather. Take a look at these ORC resources that in some way touch upon the topic of snow.

### **8. K-12: Win a "best of the best" award from Intel and Scholastic**

<http://www.schoolsofdistinction.com>

Celebrate your hard work and win money for your school. Intel and Scholastic, Inc. are sponsoring a best of the best competition with awards of up to \$25,000 in 9 categories. They will select one elementary and one secondary for each category: Academic Achievement, Literacy Achievement, Mathematics Achievement, Science Achievement, Technology Excellence, Technology Innovation, Leadership Excellence, Professional Development and Collaboration and Teamwork. Application deadline is January 5, 2006.

### **9. Gr. 6-12: National Opportunity: Be a Science Ambassador with the CDC**

<http://www.cdc.gov/ncbddd/folicacid/ScienceAmbassador.htm>

The Centers for Disease Control and Prevention's (CDC) have announced a "Science Ambassador" Program, a professional development program for selected middle and high school science teachers to work with CDC scientists. The teams will develop science lesson plans on public health topics that meet National Science Education Standards. Selected teachers come to CDC for in an intensive workshop led by CDC scientists (Workshop I: June 12-16, 2005, Workshop II: July 17-21). The workshop features a variety of sessions on public health topics, including presentations on folic acid and birth defects, epidemiology, surveillance, Alzheimer's disease, and genetics. An application is due to CDC by March 1, 2006. If you have any questions, please feel free to contact the Science Ambassador Program at 404-498-4080 or [scienceambassador@cdc.gov](mailto:scienceambassador@cdc.gov).

### **10. Gr. 6-12: National Opportunity: Discover Mars in Alaska!**

[http://phoenix.lpl.arizona.edu/alaska\\_workshop](http://phoenix.lpl.arizona.edu/alaska_workshop)

Become a part of the Phoenix Mars Mission Education Team by participating in the Alaska Phoenix Mars Arctic Region Science Field Experience for Secondary Teachers--Phoenix MARSFEST. NASA's Phoenix Mars Lander and Mars 2001 Odyssey missions invite eight pairs of middle and/or high school science teachers to immerse themselves in a week-long summer field experience focused on current polar science research on both Earth and Mars. Selected teacher teams will:

- Collect and analyze permafrost samples from the CRREL research tunnel
- Visit and study active glaciers and learn about Alaska polar science
- Study and compare remote sensing data from both Earth and Mars
- Work directly with Mars scientists, arctic experts, and education specialists
- Prepare to present Mars activities at regional and national education conferences

Applications (on the web site) are due February 15, 2006. For more information, contact: Doug Lombardi, Phoenix E/PO Manager, [lombardi@lpl.arizona.edu](mailto:lombardi@lpl.arizona.edu), 520-626-8973

**11. Gr. 9-12: Ohio Teachers Eligible for Toyota International Teacher Program**

<http://www.iie.org/programs/toyota>

Next June the Toyota International Teacher Program will send 20 high school teachers on a fully funded, 10-day cultural/educational study program to Japan. This professional development program will help teachers make a difference in the classroom by adding an international perspective to their coverage of history, culture, the arts and the economy. Teachers (grades 9-12) will be selected from 10 states, including Ohio. Interested educators will want to start early in order to complete the competitive application by the Jan. 9, 2006 deadline.