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**1. K-12: ORC Assessment Resources**

[http://www.ohiorc.org/bookmark/view\\_a\\_folder.aspx?mid=11499444&folderID=1562](http://www.ohiorc.org/bookmark/view_a_folder.aspx?mid=11499444&folderID=1562)

This set of assessment resources includes just a few of the assessment items available in the ORC collection. The sampling shown here is organized into alternative assessment, performance assessment, and constructed response questions. Use ORC's Advanced Search feature to find additional assessment items in the ORC collection.

**2. K-12: Winter Snow - Out We Go – or - the EECO Winter Conference**

<http://www.cvnpa.org/special-events-cuyahoga-valley-national-park-association.php>

The Environmental Education Council of Ohio's 24th Annual Winter Conference for Educators is designed to provide both formal and non-formal educators with hands-on and minds-on activities, ideas, and resources. Join EECO for a change of pace and place at the Cuyahoga Valley Environmental Education Center (CVEEC). The weekend will offer both learning and relaxation while providing an opportunity to enhance your skills both in and out of the classroom. Join us for a great opportunity to network with other educators, learn new techniques, and be invigorated by the scenic Cuyahoga Valley. Events start February 3, 2006 at 6:00 PM, and end: February 5, 2006 12:00 PM. Information on costs and registration available on-line.

Program Highlights include a Contra dance, and Keynote Speakers: Herb Broda, "Plugged In, But Tuned Out", Matt Broda, Trevor Dunlap, Kristen Broda, "Break a Leg: Dramaturgy as Experiential Education", and Carolyn Watkins, "Top Environmental Issues Facing Ohio".

**3. Gr 6-16 in Ohio Appalachian Schools: Teacher Teams Professional Development Grants**

<http://seocems.org>

The Southeast Center for Excellence in Mathematics and Science [ SEOCEMS ] is accepting applications from Ohio's Appalachian school districts for teams of mathematics and/or science teachers. Collaborative Study Investigations (CSI) provides an opportunity for teachers to work with colleagues in public schools and universities to enhance the teaching and learning of mathematics and/or science by investigating issues of local interest. Visit the web site to learn more about the CSI program, view the CSI brochure and download a CSI Team application form or send a request for a CSI Team Proposal form to Al Cote, [cote@ohio.edu](mailto:cote@ohio.edu).

#### **4. Gr 6-12: Cornell Center Experience for MS and HS Teachers Program**

<http://www.arsi.org> (select "Growth" from menu bar at top, then "Workshops")

Are you a middle or high school teachers who would be interested in working with researchers at the cutting edge of materials innovation and discovery? This six-week program [funded by the National Science Foundation (NSF)] provides an opportunity for teachers to work together to develop a solution to a specific research question, using laboratories that specialize in electron and optical microscopy, ion beam analysis, polymer characterization, and x-ray diffraction. Apply to spend July 5-August 15, 2006 at Cornell University in Ithaca, New York, and earn a \$3,800 stipend, free housing, *and* professional development hours. Look at other opportunities for teachers at this site as well.

#### **5. K-12: Laboratory Science Teacher Professional Development Program (LSTPD).**

<http://www.scied.science.doe.gov/scied/LSTPD/about.htm>

Spend part of your summers with scientists and get paid! Apply now: deadline February 1, 2006. The Laboratory Science Teacher Professional Development (LSTPD) program is designed by the Office of Science to create a cadre of outstanding science and math teachers with the proper content knowledge and scientific research experience to serve as leaders and agents of positive change in their local and regional teaching communities. This three-year program will use the unmatched wealth of mentoring talent at the DOE National Laboratories to guide and enrich the teachers' understanding of the scientific and technological world. Through this program, teachers will establish long-term relationships with their mentor scientists and teaching colleagues who will continue to support the educational efforts of the teachers when they have returned to their classrooms.

Stipends are provided (for those who are accepted) for summer work at one of the participating national research facilities. According to information provided at the LSTPD website, program hallmarks for participating teachers of science include:

- \* Teachers as Research Associates -working alongside world-class scientists for eight weeks
- \* Teachers as Investigators -learning how to bring the frontiers of science into classrooms
- \* Teachers as Life-Long Learners - becoming part of the scientific community

#### **6. K-16: 2006 Hewlett-Packard (HP) Technology for Teaching Grant Initiative**

[http://www.hp.com/hpinfo/grants/us/programs/tech\\_teaching/index.html](http://www.hp.com/hpinfo/grants/us/programs/tech_teaching/index.html)

HP believes that technology, when used effectively in teaching, can have a positive impact on student learning. Consequently the HP Technology for Teaching Grant Initiative is designed to support the innovative use of mobile technology in K-16 education, and to help identify K-12 public schools and two- and four-year colleges and universities that HP might support with future grants. Based on the outcomes of the projects funded through this initiative in 2006, HP may offer some grant recipients additional, higher-value grants in 2007.

In 2006, HP will award over \$8 million in cash and equipment to schools in the U.S. and Puerto Rico through the HP Technology for Teaching Program, including reinvestment for projects previously funded. Visit HP online to learn the specifics. Deadline to apply: February 15, 2006.

### **7. K-12: Patuxent Wildlife Research Center**

<http://www.pwrc.usgs.gov/>

For close to seventy years, the Patuxent Wildlife Research Center in Maryland has had a diverse set of ongoing research projects dealing with wildlife and natural resources in and around the region. Their homepage offers a great deal of material on these projects, along with some very fine information for the general public. The “Spotlight” section is a good place to start as it contains a frog call quiz and video clips of Atlantic sea ducks in their natural habitat. The “Science Features” area contains an area where visitors can ask resident biologists pressing questions and a “Did You Know?” section that provides answers to such questions as “Why are whooping cranes endangered?” The site is rounded out by an area that provides a tribute to Chandler S. Robbins, an employee of the center for over sixty years. Robbins is perhaps best known as the author of “The Field Guide to Birds of North America” and for his work on identifying the deleterious effects of DDT on bird populations.

### **8. K-12: Millennium Seed Bank Project**

<http://www.rbgekew.org.uk/msbp/>

A number of organizations have developed a concerted interest in establishing seed banks to protect the wide diversity of existing plant life for future generations. The Royal Botanic Gardens is currently working on their own project, whose ultimate goal is to collect 24,000 plant species. So far, they have successfully secured samples from almost all of the native flowering plants in the United Kingdom, and their work continues on in the present day. Many visitors to the site will want to peruse their homepage and the helpful graphic (a peapod) helps orient first-time visitors to the various sections on the site, such as “Solving Seed Problems” and their publications and data area. The site also includes a field manual for those who would like to collect their own seeds in the field as well as data about the seeds collected thus far in the Seed Information Database.

### **9. Gr 6-12: 2005 HHMI Holiday Lectures on Science: Evolution –free DVD**

<http://www.hhmi.org/lectures/>

Howard Hughes Medical Institute's (HHMI) annual lecture series focused on "Evolution: Constant Change and Common Threads." Hear from two leading biologists about new discoveries that have transformed our understanding of how animals, plants, and humans develop and evolve. The series is available on demand at the website listed above. In March, the series will be broadcast on the ResearchChannel; during the first week of April, it will be available free on DVD (with interactive features) and video.

### **10. K-12: Keep up with Stardust: Visit JPL and the Stardust webcam for live images**

<http://stardust.jpl.nasa.gov/mission/webcam.html>

The Stardust spacecraft was launched on February 7, 1999 from the Kennedy Space Center, and returned safely on January 15, 2006. Now, the Stardust Return Capsule samples and the cleanroom in which they reside are viewable by webcam at: (image update every 60 seconds). The site also has images and details about the mission to collect particles from a passing comet, and return them safely to Earth for further detailed study and analysis. Comets are believed to be the oldest, most primitive bodies in the solar system. They contain the remains of materials used in the formation of stars and planets, and this study may provide evidence that comets brought water to the Earth, making life itself possible.