



Science News – December, 2008

Have a wonderful holiday with family and friends!

Science for Kids website

The American Chemical Society (ACS) has more than 140 hands-on science activities available for grades 2-6. Much of the material is provided in Spanish. Visit <www.acs.org/kids>.

Physics Simulations

The University of Colorado Physics Education Technology project has posted more than 70 interactive simulations. See <<http://phet.colorado.edu>>.

Plate Tectonics lessons

Sample lessons for grades 4, 6, and 9 can be found at www.k12.com/gift.

Biotechnology Resources for all ages

Free issues of *Your World: Biotechnology and You* contain information on a biotechnology topic with labs and exercises. See www.biotechinstitute.org.

The BiosciEdNet (BEN) has a biotechnology section with resources for the classroom at www.biosciEdnet.org/portal.

Visit the American Institute of Biological Sciences' website ActionBioscience for articles on biotechnology at www.actionbioscience.org.

The National Corn Grower Associations houses multidisciplinary curriculum with a unit on genetics and biotechnology. Lesson plans can be adapted for all ages and include hands-on activities at www.ncga.com/education/main/index.asp.

What Goes Around Comes Around

Online materials for middle school students on the nitrogen, water, and carbon cycle. See <http://msteacher.org/epubs/science/science11/science.aspx>.

Discovery Education Siemens Science Day Resources

Siemens Science Day provides the standards-based videos, tools and hands-on activities for earth, life and physical science for 4th to 6th grade students. Videos, tools, and hands-on activities are available free of charge. Educators visiting Siemens Science Day also are encouraged to enter the Ultimate Cool School Science Day Sweepstakes at www.siemensscienceday.com/.

Astronomy Lessons

Printable resources for astronomy lessons at www.date93108.com/Meteor.html include charts and reference cards, and links to other resources.

High School Climate Change Materials

The World Wildlife Fund has lessons available to address issues related to climate change. Fifteen lessons include handouts and additional resources for discussions and research. Visit www.worldwildlife.org/climate/seclimatewitness.

Intel Schools of Distinction

Every year, Intel honors U.S. schools that have demonstrated excellence in math and science education as Intel Schools of Distinction. Eighteen schools – three elementary, three middle and three high schools in each of two categories – math and science – will be selected as Finalists, receiving a cash grant for \$2,500 from the Intel Foundation. Six winners - one elementary, one middle school and one high school in each of the two categories receive \$10,000 cash grants and more than \$100,000 in products and services from sponsors.

One of the six winning schools is chosen as the *Star Innovator*, and receives an additional \$15,000 grant from the Intel Foundation as well as additional products and services. Visit www.intel.com/education/schoolsofdistinction/ for more information and application, deadline February 7, 2009.

Planet Connect grant

Do you have an innovative solution to protect the environment? Planet Connect can help make it happen! Planet Connect is a new online network for High School students wanting to learn about the environment plus green college and career options. We're looking for your creative ideas to fix an environmental problem at your school or in your community and Planet Connect is offering grant winners \$1,000 awards to support your idea and provide you with a local environmental internship. Make a difference and apply for a grant today. Visit www.planet-connect.org for a grant application and more information.

Ed Roy Award Competition for K-8 Earth Science Teachers

If you teach Earth science to students between kindergarten and eighth grade, you may be eligible to apply for the Edward C. Roy, Jr. Award for Excellence in K-8 Earth Science Teaching. Each year, this award recognizes one full-time U.S. classroom teacher for leadership and innovation in Earth science education.

The winner will receive a \$2,500 prize and an additional grant of \$1,000 to enable the recipient to attend the Geological Society of America 2009 Joint Meeting at the close of Earth Science Week 2009 to accept the award. To be eligible for the 2009 competition, applications must be postmarked by May 31, 2009. To learn more, visit www.agiweb.org/education/awards/ed-roy .

River of Words Environmental Poetry and Art Contest K-12

River of Words conducts a free international poetry and art contest for youth on the theme of watersheds and the environment. The contest helps youth explore the surroundings in which they live, and to express what they discover through poetry and art. It is held annually in affiliation with the Library of Congress Center for the Book. The grand prize and international winners receive an all-expense paid trip to Washington, DC, to attend the awards ceremony at the Library of Congress. See www.riverofwords.org/contest/index.html. Deadline: February 15, 2009.

Anyone interested in science education is welcome to join the science list serv by contacting Jana Rowland at <Jana_Rowland@sde.state.ok.us>.

Jana Rowland, Science Director
Standards and Curriculum
Oklahoma State Department of Education
2500 N. Lincoln Blvd.
Oklahoma City, OK 73105
(405) 522-3524
FAX (405) 521-2971
Jana_Rowland@sde.state.ok.us

This listserv is fully automated and not moderated. It is hosted by the Title III server and is provided for the use of Oklahoma educators to share information regarding their content area or interest. Information contained in this e-mail is not necessarily endorsed by the State Department of Education.

For more information about science education in Oklahoma, visit our website at <<http://sde.state.ok.us>>.