

## Huntington Science News and Grants November - December 2009

### Grants:

**Monsanto Fund Grants:** Supports professional development for teachers; creative and innovative science education programs for elementary and early secondary students; science outreach programs in the community; science resource materials and equipment; and collaboration in science literacy. **Deadline: January 1.** [www.monsantofund.org](http://www.monsantofund.org)

**Fund for Teachers Grants:** K-12 teachers can obtain grants to support professional development opportunities they design. **Deadline: January 29.** [www.fundforteachers.org](http://www.fundforteachers.org)

### Curriculum:

#### Earth Science:

**Sampling the Sea:** This program connects Middle and High School students with researchers at the University of California, Santa Barbara in conversations about the World's oceans. To participate, visit [www.ia.ucsb.edu/pa/display.aspx?pkey=1990www.cftnm.uscb.edu/Programs/EMI/Research/SS.html](http://www.ia.ucsb.edu/pa/display.aspx?pkey=1990www.cftnm.uscb.edu/Programs/EMI/Research/SS.html)

**Lunar and Planetary Institute Space Science Resources:** Lots of space science resources for use in the classroom provided by the Lunar and Planetary Institute. [www.lpi.usra.edu/education](http://www.lpi.usra.edu/education)

**Geoscience Resources:** Daily Earth Science news updates. There are teacher lesson plans as well. <http://geology.com>

**Dr. Jeff's Blog on the Universe:** Jeff Goldstein posts weekly challenges for classes, tips for using science news in the classroom, and prompts to spark space science discussions in the classroom. <http://blogontheuniverse.org>

**Earth Science Picture of the Day:** Produced by NASA. EPODS are provided for each image as well. <http://epod.usra.edu>

**Biology:**

**Biovisions:** <http://multimedia.mcb.harvard.edu>. This site contains video clips and animations relating to biology including an 8 minute animation “The inner life of a cell.”

**Learn Bird Songs:** This site contains recordings of bird songs as well as information about habitats and bird species.  
[www.learnbirdsongs.com](http://www.learnbirdsongs.com)

**NIH Talking Glossary of Genetic Terms:** The glossary includes more than 100 color illustrations and 3D animations. [www.genome.gov](http://www.genome.gov)

**Physics:**

**MIT OpenCourseWare:** 1900 courses worth of syllabi, lecture notes, and assessments are online at <http://ocw.mit.edu>. 36 entertaining physics demonstrations by Walter Lewin are available at <http://ocw.mit.edu/OcwWeb/web/courses/instructors/Lewin/lewin.htm>

**Forensics:**

**The Forensic Teacher:** Lesson plans, reproducibles, labs and inquiry-based activities for forensics. [www.theforensicteacher.com](http://www.theforensicteacher.com)

**Elementary:**

**Science Postcards:** Postcard lessons from New Zealand for primary teachers. Topics include density, light, volcanoes, seeds, sounds, and space.  
[www.sciencepostcards.com](http://www.sciencepostcards.com)

**General:**

**TestToob Video Website:** Start making videos of the science experiments in your classroom. Great for those students who are absent during a demonstration. [www.testtoob.com](http://www.testtoob.com)

**Science and Math Puzzles:** A high school educator posts a weekly puzzle that can be used to spark a discussion or reinforce a concept.  
[www.aviornstein.com](http://www.aviornstein.com)

**New Resources from Teachers’ Domain:** Turtle Defense, Quantus, Brain Trauma, Geothermal Power, The Physics of Baseball, and Tangrams.  
[www.teachersdomain.org](http://www.teachersdomain.org)

**Discovery Channel's School Curriculum Center Website:** Fun facts, quick project ideas, hands-on activities, puzzles, a glossary, and a quiz. <http://school.discovery.com/curriculumcenter>

**USDoE Create-A-Graph:** Online graphing tool. <http://nces.ed.gov/neskids/creatAgraph>

### **Pedagogy:**

**"Better Lesson" teacher community:** Lesson plans and curriculum resources mixed with discussions about teaching and learning. Currently in beta-test form. [www.betterlesson.org](http://www.betterlesson.org)

### **Professional Development:**

**LISELA Spring Conference:** Farmingdale Campus of Molloy College. April 12, 2010 from 3:30 – 8:30 PM. \$25

### **Summer Programs for Teachers:**

**Space Foundation Discovery Institute Summer Courses:** Held in Colorado Springs at the Space Foundation Discovery Institute. <http://spacefoundation.org/education/space-discovery-institute>

**Lawrence Hall of Science Summer Programs:** Held at Berkely's Lawrence Hall of Science. [www.lhs.berkeley.edu/](http://www.lhs.berkeley.edu/)

**Seeds of Science/Roots of Reading Workshop:** July 14-16. For grades 2-5 at the Lawrence Hall of Science. <http://seedsofscience.org/community/ProfDev.html>

**Earthwatch Educator Fellowships:** Fellows receive funding to attend more than 90 Earthwatch expeditions worldwide during Summer 2010. [www.earthwatch.org/aboutus/education/edopp/edfelfund](http://www.earthwatch.org/aboutus/education/edopp/edfelfund)