

Huntington Science News and Grants May 2010

Grants:

Dollar General's Back-to-School Grants: Grants up to \$5000 to implement new programs or purchase new equipment, materials, or software for school's library or literacy programs.

www.dollargeneral.com/servingothers/Pages/GrantPrograms.aspx

NEA Foundation Learning and Leadership Grants: These grants support public school teachers (either individual or group), to fund professional development activities, action research, or lesson studies over the summer. Deadline: **June 1**

www.neafoundation.org/pages/educators/grant-programs/grant-application/learning-and-leadership

NEA Foundation Student Achievement Grants: These grants fund projects that engage students in critical thinking to deepen their understanding of standards-based subject matter. Deadline: **June 1**.

www.neafoundation.org/pages/educators/grant-programs/grant-application/student-achievement-grants

Adopt a Classroom Grants: Public school teachers who register can be adopted by an individual, business, or foundation. Once adopted, the teacher will receive \$500 worth of credit to purchase items.

www.adoptaclassroom.com

Curriculum:

Earth Science:

Stardate Online: Astronomy resources for K-12 teachers as well as teacher workshop opportunities. <http://stardate.org/teachers>

Weather Wiz: Students can learn to forecast the weather like a professional meteorologist. <http://theweatherwiz.xom> (click on Wiz School)

On the Cutting Edge Website: More than 1200 teacher-contributed earth science activities and visual tools.

Meteorology Resource Guide: Grades 5-9. This guide can be used to supplement existing Earth and Space curricula for middle level students.

www.nasa.gov/centers/langley/science/met-guide.html

Biology:

Podcasts of Life Series: Marine biology podcasts. Students can email questions to scientists and share their own comments. New podcasts every 2 weeks. <http://eol.org/podcast>

Genetics Education Websites: This site out of the University of Utah provides, teachers, students, and parents with accurate, unbiased information about genetics and health. <http://learn-genetics.utah.edu>

Virtual Genetics Lab: This simulation helps students understand what it's like to be a genetics researcher. <http://intro.bio.umb.edu/vgl>

General:

BLOSSOMS Video Modules: Blended Learning Open Source Science and Math Studies. Openly licensed video modules that cover all math and science subjects. <http://blossoms.mit.edu>

The Berkeley Lab Video Glossary: one to two minute videos for science topics. <http://videoglossary.lbl.gov>

Science Spot: Classroom lessons, ideas for science projects, student puzzles, and science trivia. <http://sciencespot.net>

Elementary:

Science Fair Project Ideas: Dozens of science fair projects and ideas. www.kidsciencechallenge.com/html/sciencefair.php

Pedagogy:

Clicker Resources: A collection of resources about clicker use in the sciences. <http://STEMclickers.colorado.edu>

Mobile Devices in Education: An article about the role mobile technologies can play, if used appropriately, in helping to stimulate innovation in the classroom.

www.joanganzcooneycenter.org/pdf/pockets_of_potential.pdf

TeachScience4all blog: Kirk Robbins blogs on a wide range of topics in science and science education. <http://teachscience4all.wordpress.com>

Professional Development:

Summer for the Materials Information Society: Held at RPI, July 19-23, 2010. FREE!!!! This is a one week workshop to show you how to use low cost/no cost simple labs and experiments using everyday materials that can be integrated into your existing lesson plans. www.asmfoundation.org.

2010 Rochester STEM Teaching Institutes: The purpose of these institutes is to provide high quality professional development and to establish a regional professional learning community committed to continuous improvement in STEM education. www.RACCEMS.org

College of Atlantic's Courses for K-12 Teachers: Located in Bar Harbor, Maine, the college is offering one or two week courses June 27-July 31. The courses will combine lectures and discussions along with hands-on activities. www.coa.edu/coursek12teachers.htm

The Biodiversity Academy: This is for 6-12 educators and is being offered by the Smithsonian Science Education Academy. This course will take place in Washington DC, July 11-16.
www.nsrconline.org/professional_development/SEAT_BIO.html

Inquiry and Conservation in Rainforests: This course will take place in Costa Rica and is for middle and high school teachers at the La Selva Biological Station. July 14-29/ www.ots.duke.edu

NSTA Professional Development in Costa Rica: This series is designed to immerse formal and informal science educators in one of two field sessions differing in location and thematic approach. Session I: July 18-27 and Session II: July 28-August 6. www.holbrooktravel.com/nsta2010