

Huntington Science News and Grants

March 2010

Contests:

DNA Day Essay Contest: This essay helps teachers and students celebrate DNA Day (April 25). This contest challenges students to examine, question, and reflect on the important concepts of genetics. The winning student receives \$400 and the teacher wins a \$2000 grant for laboratory genetics equipment. **Deadline: March 15.**

Grants:

ING Unsung Heroes Awards: 100 educators are selected to receive \$2000 to help fund innovative classroom projects. There are also 3 top awards of \$5,000, \$10,000, and \$25,000. **Deadline: April 30.**

Curriculum:

Earth Science:

Mission Science: Gives teens access to current NASA spacecraft data they can use in school science projects, allows them to conduct real experiments with NASA scientists, and helps them locate space-related summer internships. <http://missionscience.nasa.gov>

Biology:

Explore the mystery of Blood Curriculum: A high school curriculum for students to be introduced to basic hematology. www.Scholastic.com/hematology

BioLinks DataBase: A New Zealand database that contains numerous resources for the biology teacher. <http://sn.im/biolinks-resources>

Chemistry:

Molecular Structure Video: a 3D computer animation of molecular structures for VSEPR theory. This is good for Honors and AP Chemistry classes. www.youtube.com

Physics:

The Science of the Olympic Games: a 16 part series from the NSF and NBC. Includes discussions on many physics topics as they relate to the Olympic games. www.nbclearn.com

Elementary:

Science Picture Vocabulary Cards: More than 80 common terms used in elementary science. Great for test preparation and they are also available in Spanish.

www.palmbeach.k12.us/K12CurriculumAdultCommunityEducation/Science/k5_2008/fcat.html#vocab

General:

New York State Science Teacher: Copies of all State science exams as well as flash cards for kids and much more.

www.newyorkstatescienceteacher.com

The Human Spark: Alan Alda investigates in a 3 part series where the human spark ignited, when, and why? www.pgs.org/wnet/humanspark

Printable Paper Rulers: Teachers can print out a range of paper rulers for use with students. www.vendian.org/mncharity/dir3/paper_rulers

Howard Hughes Medical Institute Virtual Lab Series CD-ROM: This is a free CD ROM with virtual labs that offer immersive interactive environments in which students explore modern biomedical research techniques and scientific principles. www.biointeractive.org

The Secret Lives of Scientists: PBS NOVA web only series that introduce research of individual scientists while providing a glimpse of their private lives. A new scientist is profiled every 2 weeks. <http://www.pbs.org/wgbh/nova/secretlife>

Bytesize Science: This site translates scientific discoveries into intriguing stories about science, medicine, energy, food and much more. www.bytesize-science.com

Pedagogy:

Wikis for Science Education Collaboration: A science café wiki where teachers all over the world can work together and share ideas. You can also create your own wiki for student engagement, collaboration on projects, and developing curriculum. <http://sciencecafe.wikispaces.com>

Professional Development:

2010 STANYS Annual Conference: Stony Brook University Wang Center, 8:00-1:30PM, February 27th. Member: \$20, NonMember: \$35.

Family Tour of the Seals of Long Island: March 13, 10:45AM at Cupsogue Beach County Park. This is a 2 mile walk and the tour will include both the bay and ocean sides of the beach. Bring the whole family.

NSTA Annual National Conference on Science Education: Hosted in Philadelphia, this is NSTA's premier yearly event. March 18-20.
www.nsta.org/philadelphia

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

2010 NASA Education Resources Showcase Series: NASA videoconferences for educators. The list of upcoming PD is:
NASA Fit Explorers: Feb 24, 4-5PM
NASA eProfessional Development Network—Robotics Course: March 31, 4-5PM
On the Moon: May 26, 4-5PM

2010 Cold Spring Harbor Laboratory Cultural Series: The laboratory hosts art, music and science with the community. The science portion of this is a lecture series open to the public free of charge.
www.cshl.edu/events

CHANCE (Connecting Humans and Nature Through Conservation Experiences): Emphasis will be placed on how humans have impacted the biodiversity of studied environments and their sustainability. Participants will also experience the biogeography, culture, politics, economics, and history of the Costa Rica region. This is from Penn State.
June 28-July 14. Deadline: February 28.
www2.lv.psu.edu/jxm57/explore/costarica2010/index.html

Deep Ecology and Sustainable Living Short Course: Participants will go to Costa Rica and focus on deep ecology, a holistic approach to the role of humans within the natural world, including awareness of cognitive thoughts, feelings, values, and actions. **July 25-August 7. Deadline: April 23.** www.earthedintl.org/Summer.htm

Physics of Atomic Nuclei: A free residential summer program at Michigan State University. One session will be for teachers and one will be for students. Participants will learn about scientific research in nuclear astrophysics at the National Superconducting Cyclotron Laboratory.
Teacher Program: August 1-6. Students Program: August 8-13.
Deadline: April 30. <http://meetings.nscl.msu.edu/pan>

Summer Programs for Teachers:

Summer Programs at Cornell University:

Team Research Experience for Teachers: June 28-August 8. Hands-on experience to familiarize middle and high school teachers with the fundamentals of scientific research. \$3800 Stipend. **Applications Due: February 26.** <http://www.ccmr.cornell.edu/ret>

Institute for Chemistry Teachers: July 19-24. Specifically for high school chemistry teachers to provide them with a deeper understanding of chemistry and update them on recent advances in the field. 1 Cornell Credit. **Applications Due: February 26.** <http://www.ccmr.cornell.edu/cict>

Northeast Teacher Forestry Tour of the Catskill Region: August 3-6. This 3 day tour for K-12 educators will highlight local private and public forests, mills, nurseries, and various learning centers. Teachers can be sponsored and the cost is \$700. <http://www.forestinfo.org>