

Huntington Science News and Grants February 2010

Curriculum:

Chemistry:

Using the Periodic Table Live: A High School course from the Chemistry Digital Library provides six worksheets to use with this program. A Moodle login will be required. <http://moodle.chemeddl.org>

Physics:

Physics Teaching Website: Lessons and PowerPoint presentations for teaching physics at various levels.
<http://web.cvcroyals.org/~rheckathorn>

Elementary:

Snow Spotter Network: Student observers throughout the nation can report snowfall totals through the winter.
www.weatherworksinc.com/snowspotters/index.php

The Secret Life of Trees: For grades 3-5, this animated presentation explains in detail how an acorn becomes a tree. Available in English or Spanish. <http://urbanext.illinois.edu/trees2/02.html>

First Bloom: Sponsored by the National Park Foundation, First Bloom Kids meet with park rangers to engage in hands-on outdoor activities. Many of the activities can be done in our backyard.
<http://s291372515.onlinehome.us> (click “The Natural World” and then click “Dig Deeper”)

General:

Learning Science: Tools for teaching science including real-time data collection, simulations, inquiry-based lessons, interactive web lessons, and much more. www.learningscience.org/index.htm

Pedagogy:

Educational Video Directory: More than 10,000 short videos organized across 2,000 categories and subcategories on every subject. This is a perfect addition for any classroom. www.watchknow.org

Science Video Clips: Short films of science experiments with accompanying commentary and teaching tips. These videos are geared toward new teachers and teachers who lack formal training in science.

www.sciencehouse.com/videoscience-experiments.html

Confessions of a Planet: Creative hip-hop songs for introducing vocabulary, literature, social studies, math, and science in an engaging way.

www.flocabulary.com/science_listen.html

Professional Development:

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

Summer Programs for Teachers:

Northrop Grumman Foundation's Earthwatch Educator Program: An environmental program for middle school math and science teachers. The mission title is Coastal Ecology of the Bahamas, July 12-23. A travel reimbursement of \$800 is provided. www.earthwatch.org/northrop. **Deadline: February 8.**

Astrobiology Summer Science Experience for Teachers: Held July 18-24 at San Francisco State this is a science and curriculum institute for high school science teachers. Participants will learn about the latest in astrobiology research. www.seti.org/epo/ASSET. **Deadline: February 12.**

Science Olympiad Summer Institute: Allows Science Olympiad coaches and teachers the opportunity to get the most up-to-date information about all 46 events. July 12-16, Phoenix, AZ. http://soinc.org/summer_institute.

Summer Programs for Students:

SUNY Stony Brook Summer Programs for Middle and High School Students: www.cesame@stonybrook.edu

Science Exploration Camp: Grades 7-9. \$400. Dates: TBA. Mon-Thurs, 9AM-1PM. First come first serve.

Biotechnology Summer Camp: Grades 9-12. \$2200 (lab, room, and board). July 12-Aug 6. **Deadline: April 1.**

Explorations in Forensics: Grades 10-11. \$350. Dates: TBA. 9AM-3PM. **Deadline: June 1.**

Math Summer Camp: Grades 11-12. \$1300 (lab, room & board). July 26- August 6. **Deadline: April 1.**

Engineering Summer Camp: Grades 11-12. \$1300 (lab, room & board). July 12- July 23. **Deadline: April 1.**

Alfred University Summer Science Pre-Chemistry Camp: Residential program for students 13-15 with no chemistry experience. www.alfred.edu/summer

Columbia University Science Honors Program: Grades 9-11. Students must take an entrance examination. Classes are Saturdays 10-12:30. **Online application by March 3rd. Entrance Examinations April 10 or 24.** www.columbia.edu/cu/shp/apply.html

Goldstone Apple Valley Radio Telescope Program: K-12 students use radio astronomy to experience real science. This is a partnership program between NASA, the Jet Propulsion Laboratory, and the Lewis Center for Educational Research. Held July 19-23 at NASA's Deep Space Communication Complex at Goldstone, California. www.lewiscenter.org/gavrt/opportunities.php