



2007 U.S. Stockholm Junior Water Prize

The World's Most Prestigious Youth Award for Water Science

The International Stockholm Junior Water Prize (SJWP) is the most prestigious youth award for a high school water science research project. Its purpose is to increase youth attention toward the water environment, and to sensitize them – as future leaders - to local and global water challenges. HRH Crown Princess Victoria is the patron of the prize. In a royal ceremony, during World Water Week, the international winner receives \$5,000 USD and a blue crystal sculpture.

The SJWP was founded by the Stockholm Water Foundation and is administered by the Stockholm International Water

Institute (SIWI). ITT Industries is the global sponsor.

In the United States, the Water Environment Federation (WEF), and its member associations, sponsor and organize the state and national competition with support from ITT Industries and The Coca-Cola Company.

For more information visit the website: www.stockholmjuniorwaterprize.org



Games

Mission Mercury

College students from Champlain College in Burlington, Vermont created a "serious video game" about the dangers of mercury for the Vermont Department of Environmental Conservation. The project is supported by the U.S. Environmental Protection Agency (EPA) and Supplemental Environmental Project.

The game is aimed at middle school kids, to educate them about ways of decreasing toxic mercury in the environment. The video game will be used by teachers in classrooms starting this fall throughout Vermont and perhaps nationally in the future.

For more information, go to http://www.champlain.edu/news/news_display.php?article=06-22-05a.php



Competitions

Canon Envirothon 2007

July 29 - August 4, 2007 - Geneva, NY

The Canon Envirothon is an annual competition in which winning state and provincial teams compete for recognition and scholarships by demonstrating their knowledge of environmental science and natural resource management. The 2007 topic is Alternative/Renewable Energy, with the learning objective for students to comprehend long- and short-term environmental, social, and economic considerations of energy production and usage. For more information, <http://www.envirothon.org/competition/Canon2007/index.php>

Future City Competition

The mission of the National Engineers Week Future City Competition is to provide a fun and exciting educational engineering program for seventh and eighth grade students that combines a stimulating engineering challenge with a "hands-on" application to present their vision of a city of the future. This is a school based competition and materials are available beginning August 1, 2007. The school registration fee is \$25. SimCity 3000 software will be utilized. For more information, please go to the National Engineers website at www.futurecity.org.

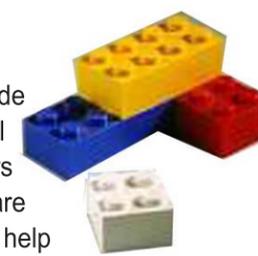
Innovative Ways To Educate

Imagine going to school and being allowed to play with one of your favorite toys—Legos.

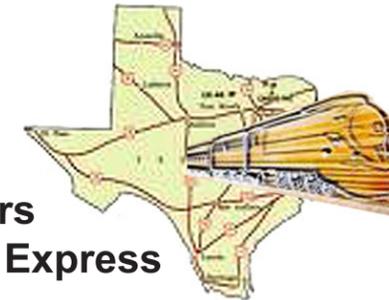
That's exactly what happens in the eighth grade Physics by Design class at the Shady Hill School in Cambridge, MA. The students are building cars and movable robotic arms. Due to the fact they are learning to program whatever they build with the help of Robolab software and a microcomputer embedded in a Lego brick, they really understand the meaning of torque, velocity and momentum.

For more information, contact:

American Society for Engineering Education
1818 N Street, N.W., Suite 600
Washington, DC 20036-2479
Web: www.asee.org
Telephone (202) 331-3500



Texas Program Puts High Schoolers on an Engineering Express



A trailblazing program in Texas could become a national model for recruiting the next generation of engineers. At two campuses of South Texas College, high school students earn a college-level associates degree in engineering before they even graduate. Participants in the two-year program undergo a competitive application process for admission. Students study pre-engineering math, science and technology. They are exposed to region-specific engineering disciplines such as industrial, manufacturing, civil, petroleum, and biomedical.

Daily News' Newspaper in Education Program



The goal of the program is to prepare students for the challenges of an ever-changing society by enhancing skills and content learned in the classroom through the use of the Daily News as part of the school's instructional program. Some of the programs offered include Writers to Readers (grades 5-8), Science FUNomena(grades 4-6), Ready for Regents(grades 9-12) and Civics Education with the Daily News(grades 6-12). For more information, go to www.nydailynews.com/special/nie.

Design Squad –

A new television show on PBS and website created to promote fun engineering activities children and parents can do at home, in the classroom, in after school programs and in workshops. For more information go to <http://pbskids.org/designsquad>.

Websites



www.epa.gov/teachers

This is EPA's newly revised and improved environmental education website for teachers. One new feature is the addition of grade levels for the cited classroom materials.

[Http://science.nsta.org](http://science.nsta.org)

National Science Teachers Association newsletter. Each issue is filled with informative articles.

<http://www.wef.org/LearnAboutWater/ForEducators/CurriculumMaterials>.

The Water Environment Federation has many children's publications including: *Water — the Amazing Journey*, *Go With The Flow*, and *World-wide Waste — It's Not a Load of Rubbish*.

www.engineeringk12.org

Go Engineering's e-newsletter is for K-12 educators. Its purpose is to promote the importance of engineering and technology education and explore the many ways that engineering and technology can help teachers meet the challenge of making mathematics and science come alive for students.

www.pbs.org/journeytoplanetearth

Funded by the National Science Foundation, Journey To Planet Earth is a video series that helps students and adults understand the most critical and timely issues facing the natural sciences in the 21st century.

<http://nerrs.noaa.gov>

NERRS (National Estuarine Research Reserves) Education Bulletin

The Science Barge is Open!



The Science Barge is a sustainable urban farm designed by New York Sun Works, an environmental nonprofit organization. The Science Barge tours New York City's public waterfront parks, offering sustainability education programs to wide audiences. It is currently moored at Pier 84. Future sites will be:

Riverside Park at West 72nd Street: July 4 - Sep. 2

Stuyvesant Cove Park at East 23rd Street: Sept. 6 - Oct. 31

For more information regarding tours please contact : Emily Waff at (212) 757-7560 or visit their website at www.nysunworks.org

NCSE Launches [www.EarthPortal](http://www.EarthPortal.org)

The National Council for Science and the Environment (NCSE), a not for profit organization dedicated to improving the scientific basis for environmental decision-making, has launched a new forum called Earth Portal (www.EarthPortal.org). Earth Portal is a comprehensive, free and dynamic resource for timely, objective, science-based information about the environment built by a global community of environmental experts: educators, scholars and professionals.

The Earth Portal includes:

- Encyclopedia Earth (www.eoearth.org) is an expert-driven resource on the environment.
- Earth News (www.earthportal.org/news) includes breaking news updates from many sources, with links from key words to Encyclopedia articles.
- Earth Forum (www.earthportal.org/forum) allows the public to engage in discussions with experts, ask questions and get answers, and to participate in community debates about issues that matter to them.
- Environment in Focus (www.earthportal.org/?page_id=70) provides an exploration of a major issue each week – energy, climate change, environmental economics and other topics-led by a prominent expert in the subject and involving articles, news, places, discussions, Q & A, interesting facts, and more.



NEW SCIENCE BOOKS FOR TEACHERS

The National Science Teachers Association announces a new series of science books for elementary, middle and High School teachers

Uncovering Student Ideas in Science: 25 More Formative

Assessment Probes (Volume 2) Grades K-12

Volume 1 emphasized physical science and this volume covers life, Earth, and space science probes. New topic areas include forms of matter; changes in matter, living things and life processes; rocks and landforms; the day/night cycle and objects in the sky.

More Picture-Perfect Science Lessons: Using Children's Books to Guide Inquiry Grades K-4

This book offers teachers creative, classroom-tested lesson plans that build science comprehension and improve reading skills through storybooks and science inquiry.

NanoScale Science Exploring the World at the Smallest of Scales Grades 6-12

Using guided inquiry with open-ended exploration where possible, the book's 20 investigations teach students about the unique properties and behavior of materials at the nanoscale-one billionth of the size of a meter.

For more details and to order: <http://store.nsta.org>

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Message From the Vice Chair

Hi, my name is Beth Petrillo and I would like to welcome our new readers

as well as our loyal readers. The goal of our newsletter is to provide information which will be useful for students when they are considering a career path. In this issue you will find information about upcoming events, contests, web sites and innovative ways to motivate and teach children. We welcome input from our readers, including suggestions on how to improve the newsletter. Please forward all suggestions to me at bpetrillo@dep.nyc.gov.

World Water Monitoring Day

Adopted by the Water Environment Federation (WEF) in July 2006, World Water Monitoring Day (WWMD) is an international outreach program that builds public awareness and involvement in protecting water resources around the world. Held annually between September 18 and October 18, the program engages communities in monitoring the condition of local rivers, streams, estuaries and other water bodies. Since its inception in 2002, more than 80,000 people have participated in 50 countries. — excerpted from WEF website



For information on how to get involved, email wwwmd@wef.org, or phone the Water Environment Federation at (703) 684-2400.

World Water Week in Stockholm

August 12-18, 2007

World Water Week in Stockholm is a global meeting place for partnership-building and implementation of international processes and programs in water and development. For more information on this event, email sympos@siwi.org.

Upcoming Conference

“Creating Sustainability Within Our Midst: Challenge for the 21st Century” -

Email to: info@nysunworks.org.

USSEE Conference in New York City, June 23-27, 2007

The United States Society for Ecological Economics, will be hosting a conference in conjunction with Pace University at the Pace University Campus in Manhattan. Please contact Dr. Karin Limburg, klimburg@esf.edu for further details.



If you have any comments or suggestions, please contact Beth Petrillo at bpetrillo@dep.nyc.gov.