



AGI: Earth Science Week Update

EARTH SCIENCE WEEK UPDATE

American Geosciences Institute

Vol. 11, No. 10: October 2013

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Act Now to Win Award
For Earth Science Teaching

Earth Science Week 2013 (October 13-19) wouldn't be so successful without the efforts of amazing Earth science teachers. That's why AGI is announcing details for its upcoming award competition, the 2014 Edward C. Roy, Jr. Award for Excellence in K-8 Earth Science Teaching. Each year, this award recognizes one full-time U.S. teacher from kindergarten to eighth grade for leadership and innovation in Earth science education.

The winner will receive a \$2,500 prize and a travel grant of \$1,000 to attend the National Science Teachers Association (NSTA) Annual Conference in April 2014 in Boston to accept the award. To be eligible for the 2014 competition, applications must be postmarked by January 10, 2014.

This award is named in honor of Dr. Edward C. Roy, Jr., a past president of AGI, who was a strong and dedicated supporter of Earth science education. The 2014 award ceremony will be hosted by the National Earth Science Teachers Association at the NSTA Conference. To learn more, visit <http://www.agiweb.org/education/awards/ed-roy>.

Classroom Activities
Now Searchable Online

Ever wish you could go online to search for a classroom activity tailor-made to match the Earth science topic you're teaching? Visit the continually updated Earth Science Week Classroom Activities page for more than 120 free learning activities, most of them contributed by the leading geoscience agencies and groups that are Earth Science Week partners.

Activities are organized and searchable by various criteria, including specific Earth science topics. To find the perfect activity for your lesson, just click on "Search Classroom Activities." Search by grade level and science education standard. Maybe most useful, you also can search among 24 categories of Earth science topics, from energy and environment to plate tectonics and weathering.

This updated, database-driven resource is ideal not only for supplementing a prepared curriculum, but also for generating activities that address in-the-news events such as fossil discoveries and volcanic eruptions. See the Classroom Activities page at <http://www.earthsciweek.org/forteachers/classroomactivities.html>.

Esri Blogs for Educators
Mapping Out GIS Science

How can you explore the Earth Science Week 2013 theme of "Mapping Our World"? Start with longtime program partner Esri. Leading the charge to incorporate GIS (geographic information system) technology and mapping software in Earth science education, Esri is blogging to provide educators with useful resources and information during Earth Science Week 2013.

The first of the recent blog posts, issued just a few days ago, focuses ways that Esri is providing curriculum support for Earth Science Week, including related activities, lessons, data, and web maps (<http://gisandscience.com>). In addition, another recent blog on "Story Maps" shows how cutting-edge technology is revolutionizing the ways we create and use maps (<http://blogs.esri.com/esri/esri-insider/>).

GIS technology - which can illuminate features such as local geology, watersheds, and roads - can require some training before it can be used effectively. To learn more about GIS and Esri, see <http://www.esri.com>.

Contest Winners to Be
Announced Next Month

Friday is the deadline to mail your submissions! AGI thanks the many hundreds of students, educators, and others who are entering this year's Earth Science Week photo, visual arts, and essay contests (<http://www.earthsciweek.org/contests/index.html>).

Winners will be announced in November 2013. AGI will contact winners directly and recognize their success both on the Earth Science Week web site (<http://www.earthsciweek.org>) and in this electronic newsletter.

Celebrate Earth Science
With NASA Resources

Throughout Earth Science Week 2013 (October 13-19) and beyond, students of all ages can join NASA in celebrating the importance of maps to represent complex phenomena about our planet. A wealth of educational resources, blog posts, and other items can be found online (<http://nasaesw.strategies.org>).

For example, a new "Mapping Our World" sampler resource is available in both English and Spanish (<http://nasaeswspanol.strategies.org/ciencias-terrestres-recursos-educativos-nasa-espanol/>). And you are invited to participate in social media events to interact with NASA Earth explorers, see how they use mapping technologies in their research, and learn ways to use real data and images (<http://nasaesw.strategies.org/events/>).

Post Your Photos Online
From Earth Science Week

Want to see yourself and your students on the Earth Science Week web site? Simply send us photos from your Earth Science Week celebrations and activities (along with any necessary signed permission forms). We'll post selected images on the Earth Science Week Photo Gallery (<http://www.earthsciweek.org/whatsgoingon/gallery/photos.html>).

By submitting a photo, you agree to allow AGI to post the image on the Earth Science Week web site, without compensation unless prohibited. All submissions and all rights of ownership in and to the images including all rights to use, reproduce, publish, modify, edit, and distribute the same

will become the exclusive property of AGI and will not be returned.

You can snap shots with your digital camera or cell phone, or scan regular photos for electronic transmission. JPEG files are preferred. Download permission forms at <http://www.earthsciweek.org/whatsgoingon/gallery/ESWPhotoPermissionForm.pdf> and send your photos to info@earthsciweek.org. See you online!

Thanks to Earth Science
Week's Generous Sponsors

Thanks to the generosity of our sponsors, Earth Science Week is able to promote awareness and appreciation of the geosciences among over 50 million people every year. AGI would like to express its appreciation to the many government agencies, nonprofit groups, and corporations that make the program possible.

Earth Science Week couldn't do its important work without the support of organizations such as the U.S. Geological Survey; National Park Service; AAPG Foundation; NASA; American Geophysical Union; National Geographic; Society for Mining, Metallurgy and Exploration; Geological Society of America; Association of American State Geologists; and Esri. In addition, year after year, Earth Science Week Toolkits are purchased in bulk for distribution to educators by organizations such as NASA and Loudon County Public Schools.

To learn how your organization can become an Earth Science Week Sponsor, visit <http://www.earthsciweek.org/sponsor/index.html> online. To order Earth Science Week Toolkits for teachers in your area, go to <http://www.earthsciweek.org/materials/index.html>.

Nuclear Regulators Tout
Geoscience Careers Online

Young people often don't realize where Earth science careers might take them. The U.S. Nuclear Regulatory Commission (NRC) employs more than 120 staff members who hold Earth science degrees or work in geoscience-related jobs - and the agency wants students to know about these exciting career paths.

The NRC is developing a series of brief videos on geoscience careers for the NRC YouTube channel, "NRC Q&A Series: Three Minutes With NRC" (<http://www.youtube.com/playlist?list=PLEA958CAD9D2C854B>).

Videos in the series cover related careers in meteorology (<http://www.youtube.com/watch?v=tb2naxFcnVQ&feature=plcp>) and hydrology (http://www.youtube.com/watch?v=aGyzn2DQo00&list=SPEA958CAD9D2C854B&index=6&feature=plpp_video). Upcoming videos have been planned to cover structural and field geologists, seismologists and geophysicists, geotechnical engineers, geochemists, hydrogeologists, and other geoscientists.

Geologic Map Day
Boosts Mapping Education

The climax of Earth Science Week 2013 is the second annual Geologic Map Day, which is being celebrated with learning activities across the country on Friday, October 18. Hosted by the U.S. Geological Survey, Association of American State Geologists, National Park Service, Geological Society of America, and Esri in partnership with AGI, this special event promotes awareness of the study, uses, importance of geologic mapping for education, science, business, and a variety of public policy concerns.

Check out the Geologic Map Day poster included in the Earth Science Week 2013 Toolkit (<https://www.agiweb.org/pubs/pubdetail.html?item=609612>). The poster provides a geologic map, plus step-by-step instructions for a related classroom activity. Additional resources for learning about geologic maps can be found on the new Geologic Map Day web page (<http://www.earthsciweek.org/geologicmap/>).

National Fossil Day
Event in DC Cancelled

Earth Science Week Update previously posted an invitation for students, educators, and others to join paleontologists and park rangers for the fourth annual National Fossil Day Celebration on the National Mall in Washington, D.C., on Wednesday, October 16, 2013. The National Park Service regrets to announce that this event has been cancelled. Please watch for related notices, as this event may be rescheduled.

The American Geosciences Institute is a nonprofit federation of 50 geoscientific and professional associations that represents more than 250,000 geologists, geophysicists and other earth scientists. Founded in 1948, AGI provides information services to geoscientists, serves as a voice of shared interests in the profession, plays a major role in strengthening geoscience education, and strives to increase public awareness of the vital role the geosciences play in society's use of resources, resiliency to natural hazards, and interaction with the environment. For contact

information, please visit <http://www.earthsciweek.org/contactus/index.html>.

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