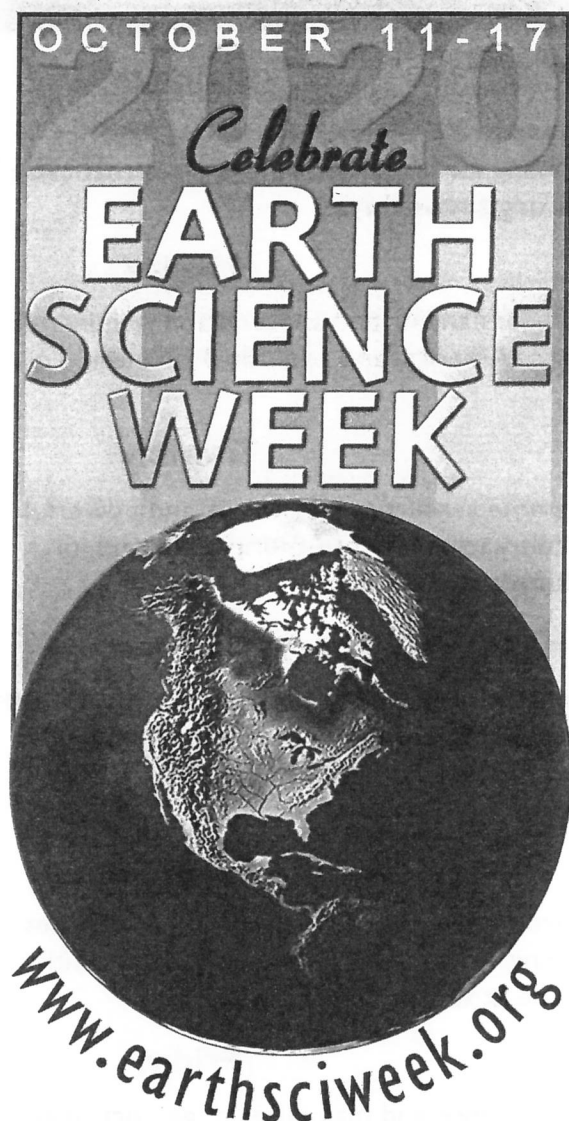


Celebrate Earth Science Week: October 11-17, 2020 “Earth Materials in Our Lives”



Celebrate Earth Science Week with your class! Start with this Toolkit, designed to make participating in the event fun and educational for you and your students. Resources included are appropriate at various levels, for elementary through university students, as well as the general public!

What does “Earth Materials in Our Lives” mean?

It means that Earth materials play a major role in all our lives — and human activity has an impact on raw materials. We help show how you can educate students on these topics.

Here are a few ways you can use the Toolkit:

- ♦ Hang the Earth Science Week Poster and the Earth Science Activity Calendar on your wall, and try a new learning activity each month.
- ♦ Explore your region on Geologic Map Day with the enclosed poster, and learn about scientific inquiry along the way.
- ♦ Investigate geoscience through resources from groups such as NASA, AmericaView, NPS, MEC, USGS, GRC, IRIS, CZO, Grace Foundation, GIA, AIPG, NSF, Switch, SSSA, USDA, AMS, and more.
- ♦ Contact local science centers, colleges, parks, and geoscience corporations to find out how they can help build geoscience understanding!

Use the Earth Science Week 2020 website at www.earthsciweek.org to order Toolkits and find more resources and activities. For example, the *Visiting Geoscientists* handbook guides scientists working with students.

And you can use *Career Compass* to explore career options — in geophysics, hydrology, atmospheric science, geoscience policy, and many other fields — at www.americangeosciences.org/workforce/compass.

We hope you have a successful celebration. Please contact us at info@earthsciweek.org to let us know how you and your students are exploring the geosciences. Have a great Earth Science Week!

Go online to visit

www.earthsciweek.org/materials

for activities and information about the materials in this packet!

Earth Science Week

“Focus Days”

Use these celebrations
to focus on special
geoscience topics!

International EarthCache Day

Sunday

On **October 11, 2020**, enjoy a geoscience experience along with the Geological Society of America. EarthCachers around the globe learn about the Earth while hunting for an EarthCache, a place that can be found with a GPS device. Learn more at www.earthsciweek.org/focus-days.

Minerals Day

Monday

On **October 12, 2020**, join people worldwide in enhancing understanding and appreciation of minerals and mineralogy with the help of AGI, the Mineralogical Society of America, and additional partners. To learn more, visit www.earthsciweek.org/minerals-day.

Earth Observation Day

Tuesday

On **October 13, 2020**, students and teachers can explore remote sensing as an exciting and powerful educational tool. Find out more about this STEM educational outreach event of AmericaView and its partners at www.americaview.org/k-12-earth-observation-day.

National Fossil Day

Wednesday

On **October 14, 2020**, join the National Park Service and partners nationwide in promoting awareness of paleontology and encouraging people to explore fossils available through parks. In addition, in your Earth Science Week 2020 Toolkit, you'll find material provided by the National Park Service. To learn more about National Fossil Day, see www.nature.nps.gov/geology/nationalfossilday.

Geoscience for Everyone Day

Thursday

On **October 15, 2020**, populations underrepresented in Earth science can learn about opportunities in this exciting field. If you're an educator, invite speakers including women, minorities, and people with a range of abilities to speak in your classroom. Learn more online at www.earthsciweek.org.

Geologic Map Day

Friday

On **October 16, 2020**, promote public awareness of the importance and many uses of geologic maps. Begin your exploration with the Geologic Map Day poster in your Earth Science Week Toolkit. Then check out resources, links, and activities at www.earthsciweek.org/geologicmap.

International Archaeology Day

Saturday

On **October 17, 2020**, celebrate archaeology and the thrill of discovery. The Archaeological Institute of America and partners worldwide present programs and activities for people of all ages, such as family-friendly archaeology fairs, tours of archaeology sites, simulated digs, lectures, and visits by archaeologists. Indulge your inner “Indiana Jones.” Check out www.archaeological.org/archaeologyday.

American Geosciences Institute
4220 King Street
Alexandria, VA 22302



american
geosciences
institute

connecting earth, science, and people

**American
Geosciences Institute**

Earth Science Week Contests 2020

**All entries must
be submitted by Friday,
Oct. 16, 2020**

Enter an Earth Science Week contest!

Visual Arts Contest

Students in grades K-5 are eligible to compete in the Visual Arts Contest. Make a drawing, collage, or other 2-dimensional piece of art illustrating the 2020 topic of "Earth Materials and Me." Submissions should be flat and no larger than 24 x 36 inches.

Essay Contest

Students in grades 6-9 are encouraged to compete in the Essay Contest focusing on the topic "How We Process Earth Materials." Essays must be no more than 300 words, must be submitted electronically, and will be judged on accuracy, style, and creativity.

Photography Contest

The Photo Contest is open to the general public. Submissions should illustrate the topic "Earth Materials in My Community." In a photo, illustrate an example of this year's theme in the place where you live. Photos must be submitted electronically.

Video Contest

This year's Video Contest focuses on the topic "Earth Materials Around the World." Individuals and teams are invited to submit a brief, 30-90 second original video that tells viewers about different ways people experience Earth materials worldwide.

The first-place winner of each contest above receives a \$300 prize. See website for details:

For information
on prizes and
how to enter, visit

www.earthsciweek.org/contests

American Geosciences Institute •
4220 King Street • Alexandria, VA 22302



Edward C. Roy Jr. Award For Excellence in K-8 Earth Science Teaching



The purpose of this award is to honor the memory of Dr. Edward (Ed) C. Roy Jr. Dr. Roy was a past president of the American Geosciences Institute (AGI), a professor at Trinity University, San Antonio, Texas, and a recipient of both the Ian Campbell Medal and the Heroy Distinguished Service Award. He was a lifelong supporter of teachers and students from kindergarten to grade 8 and served for a number of years as chair of the AGI Education Advisory Committee.

The award recognizes one teacher of grades K-8 each year for his or her leadership and innovation in Earth science education. The award consists of a \$2,500.00 prize for the winning teacher and a grant of up to \$1,000.00 to cover registration, travel, and lodging expenses associated with attendance at the NESTA Friends of Earth Science Reception held at the NSTA Annual Conference to accept the award. The winning teacher and his or her school each receives a plaque of recognition. For details, see AGI Education Awards (www.americangeosciences.org/education/awards/roy).

To be eligible for the award, an applicant must be a full-time U.S. classroom teacher who currently provides instruction in Earth science at the K-8 level with all the responsibilities of such a position. Each applicant must submit to AGI a package consisting of an application form, a curriculum vitae or resume, letters of recommendation, an exemplary lesson plan, an essay, and additional materials.

Applicants are evaluated on their dedication to and enthusiasm for teaching Earth science, as well as their expertise in crafting and delivering Earth science instruction for their students. Applicants also are judged on their demonstrated commitment to improving their own Earth science understanding as lifelong learners.

Application packets must be submitted electronically by the deadline listed on the website.

For full details and forms, visit

www.americangeosciences.org/education/awards/roy

For more information, email

awards@americangeosciences.org