Education GeoSource

Everything You Need for Earth Science Education

Search for geoscience education resources from a variety of organizations that provide credible and accurate Earth and Space Science resources for all ages. The Education GeoSource database has thousands of free resources, from lessons to outreach and teacher professional development, for use in classrooms, scout programs, or at home.

Access the Education GeoSource database: https://egs.americangeosciences.org

Perform a Quick Search using the search box below to find the 10 most relevant resources for your search.

Enter your search terms

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Lockheed Martin

Lockheed Martin’s STEM education initiative for the middle level offers standards-based lesson plans, educator guides, and family activities to motivate students to learn about deep space exploration. The resources introduce a range of STEM-focused careers in space exploration, compare and...

**Resource Type:** Classroom Activities, Curricula and Instruction

**Grade Level:** 6, 7, 8

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OSU's Climate Research Center: Argumentative Writing Workshop

Ohio State University (OSU)

This workshop, taking place at the Ohio State University (OSU), is for middle and high school teachers and introductory-level university instructors who want to incorporate argumentative writing and evidence-based claims in their classes. Aimed at science, social studies, and English language arts...

**Resource Type:** Professional Resources, Teacher Professional Development

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What's Really Heating Up the Planet?

2015, Bloomberg

"Skeptics of manmade climate change offer curious natural causes to explain why the Earth warmed 1.4 degrees Fahrenheit since 1880. But can this account for the planet's rising temperature? Scroll down to see how much different factors, both natural and industrial, contribute to global...

**Resource Type:** Teaching Media, Videos or Animations

**Grade Level:** 6, 7, 8, 9, 10, 11, 12

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Bristol Gem & Mineral Club

The Bristol Gem & Mineral Club fosters interest in the earth and geological sciences, minerals, and the lapidary arts. We're located in Bristol, CT, where we hold monthly educational meetings, field trips, and our annual gem and mineral show. Interested in rocks, minerals, lapidary works,...

**Resource Type:** Geoscience Organizations, Organizations
The aim of the Earth Science Club of Northern Illinois (ESCONI) is to promote an interest in the earth sciences, among these are geology, paleontology, mineralogy, archaeology, micro-mounting and the lapidary arts.

**Resource Type:** Geoscience Organizations, Organizations

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What’s an awe-inspiring natural feature in your state? Maybe it’s a mountain, canyon, waterfall, glacier, cave, volcano, geyser, natural arch, grand vista, or something else. Identify an inspiring landscape near you, and learn about the geoscience behind it. Start with the geologic maps available...

**Resource Type:** Classroom Activities, Curricula and Instruction

**Grade Level:** K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

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As you plan for and implement the Next Generation Science Standards, Liberty Science Center's NGSS-focused Professional Development courses can make the transition easier. We can partner with you to evaluate and adapt your curricular models, lesson design, and pedagogy to capitalize on your...

**Resource Type:** Professional Resources, Teacher Professional Development

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Covering some 70 percent of Earth's surface, clouds play a key role in our planet's well-being. But how do they form, why are there so many types, and what clues can they give us about the weather and climate to come? Try your hand at classifying clouds and investigating the role they...

**Resource Type:** Classroom Activities, Curricula and Instruction
California Education and Environmental Initiative (EEI)

CalRecycle Office of Education and the Environment (OEE)

The California Education and the Environment Initiative is a program of CalRecycle's Office of Education and the Environment (OEE). Our mission is to foster environmental literacy among all California students as part of a high-quality K-12 education. Environmental literacy builds critical...

**Resource Type:** Professional Resources, Teacher Professional Development

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Neville Public Museum Geology Club

Neville Public Museum

The Geology Club is an active organization composed of people of many interests and capabilities – teachers, retirees, geologists, hobbyists and others. It was organized in January 1962 at the request of interested people in the community seeking knowledge and direction in geology and related...

**Resource Type:** Geoscience Organizations, Organizations

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**Recently Loaded Resources**

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Dig Into Soil

Soil Science Society of America (SSSA)

Soil scientists often examine soils and record soil data outside. Soil is not just topsoil; it includes other horizons (soil layers) underneath the topsoil. So soil scientists use shovels or soil augers to get samples of many soil horizons. They record soil colors, textures, and types of living...

**Resource Type:** Classroom Activities, Curricula and Instruction

**Grade Level:** K, 1, 2, 3, 4

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**About Education GeoSource**

[https://egs.americangeosciences.org](https://egs.americangeosciences.org)

Education GeoSource compiles geoscience education resources from a variety of organizations, providing credible and accurate Earth and Space Science resources for all ages. Visitors have access to thousands of free resources, from lessons to outreach and teacher professional development, for use in classrooms, scout programs, or at home.
We encourage visitors to review our collections, suggest other resources, and let us know when items are out of date or problematic for other reasons.

Email us: geocenter@americangeosciences.org

Find us online:

Education GeoSource is generously underwritten in memory of Charles L. Weiner