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.

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How do worms help the soil?
South Dakota Discovery Center
Students learn about earthworms and their needs through experiments and observations, such as “Do worms like it wet or dry” and “Do worms prefer light or darkness?” They will then create distinct layers of soil in two jars and add two to three worms to one of the jars, monitoring it over time see...

Resource Type: Classroom Activities, Curricula and Instruction, Curriculum Materials
Curated Collection: NRCS Collection
Grade Level: Pre-K, K, 1, 2

NSTA’s New Earth Science Test
American Geosciences Institute (AGI)
Describes the purpose and possible uses of the new American Geological Institute/National Science Teachers Association Earth Science Examination. Provides an order blank for obtaining the test. Stresses that the test is specifically designed to test concepts and problem-solving ability.

Resource Type: Assessments, Curricula and Instruction

Earthquake Quiz
Teacher Vision
A printable quiz regarding earthquakes. Questions test knowledge on what fault lines are, where most earthquakes in the US happen, what a seismograph measures, what tectonic plates are, what magnitude is, how long earthquakes usually last, and dangers to people during an earthquake. Students also...

Resource Type: Assessments, Curricula and Instruction
Grade Level: 4, 5

Multiple Choice Questions for Earthquakes , Chapter 16
University of Houston (UH)
A 47-question quiz on earthquakes. This assessment is designed to test your knowledge of material covered in the chapter and in the Internet-based resources.

Resource Type: Assessments, Curricula and Instruction
Portfolio Assessments
American Geosciences Institute (AGI)
Portfolios, in assessment terms, are collections of students' work that demonstrate what they have learned and are able to do over a period of time. In science, it's a bit trickier to use the portfolio method to best advantage. Since the ultimate goal of the portfolio contents is to...

Resource Type: Assessments, Curricula and Instruction
Grade Level: K, 1, 2, 3, 4, 5

Pre-Assessment Items: Fossils
American Geosciences Institute (AGI)
Pre-assessment tasks help you to find out what knowledge, experiences, skills and attitudes your students have before you begin any science instruction. In some instances, you might find it useful to have students write their responses to a short set of simple questions on the topic. Examples might...

Resource Type: Assessments, Curricula and Instruction
Grade Level: K, 1, 2, 3, 4, 5

Project Assessments
American Geosciences Institute (AGI)
Long, and short-term projects are great ways of assessing students' knowledge and presentation skills at the same time. In projects, students typically solve a problem, investigate a science issue, engage in a simulation, or a number of other activities. They then present their results in a...

Resource Type: Assessments, Curricula and Instruction
Grade Level: K, 1, 2, 3, 4, 5

Sample Questions for GEOSC 20 Final Exam
Pennsylvania State University (PSU)
Sample questions and answers from the GEOSC 20 Final Exam in 1996
Science Regents Examinations: Physical Setting/Earth Science
New York State Education Department (NYSED)
Science Regents Examinations, answer booklets, and scoring keys from January 2012, on. All examinations center around different topics in the earth sciences (meteorology, geology, planetary science, geology, etc.).

Resource Type: Assessments, Curricula and Instruction
Grade Level: 9, 10, 11, 12

Student Interview Assessments
American Geosciences Institute (AGI)
Student interviews are discussions with students about their understanding of scientific concepts and phenomena. You can do these with individual students or small groups, while the rest of the class is doing independent work. You can also do interviews if you have a team-teaching arrangement.

Resource Type: Assessments, Curricula and Instruction
Grade Level: K, 1, 2, 3, 4, 5

Recently Loaded Resources

Principles for High Functioning Soils
United States Department of Agriculture Natural Resources Conservation Service (USDA NRCS)
This comprehensive resource aimed at promoting soil health education among educators and students. Educators can use the kit to introduce students to key soil health concepts, including soil structure, erosion prevention, and the role of cover crops.

Resource Type: Maps and Visualizations, Teaching Media
Curated Collection: NRCS Collection
Grade Level: 5, 6, 7, 8, 9, 10, 11, 12

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