Explore Content

Explore Science Content

Why do hurricanes regularly hit Florida? How do earthquakes happen? What types of rocks are found in your backyard? Here you'll find answers to many of your questions about Earth science!

You can "dig deeper" into the science topics below. Explore curricula and instruction resources, teaching media resources, and outreach activities related to each topic. While this content is written for you, the teacher, you might find that you can adapt it for upper elementary students.

Explore the links below to deepen your knowledge and capacity to teach Earth science!

Climate

Fossils

Rocks
Search for K-5 Media Resources

Want to show your students examples of Earth processes? Use the search fields below to find image collections, presentations, videos and animations, virtual field trips, maps and visualizations and data sets in the Education GeoSource database.

**Search the Education GeoSource database**

**Perform a Quick Search** using the search box below to find the 10 most relevant teaching media resources in the Education GeoSource database.

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

**Enter your search terms**
Inspirational Feature Near You
2018, American Geosciences Institute (AGI)
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

Volcano about the clouds
Public Broadcasting Service (PBS)
For those who live on or near mountains, a change of climate can be just a short walk away. That’s because mountains create their own microclimates: areas in which the climate differs from the prevailing climate. See how the movement of air creates different microclimates on a mountain

**Resource Type:** Teaching Media, Videos or Animations
**Grade Level:** K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Take a Walk on the Rocky Side at Green Point, Canada
vEcotourism
Canada’s Gros Morne park, on the comparatively sheltered Western coast of Newfoundland, is a geology lover’s paradise and a designated UNESCO natural world heritage site. From precipitous land-locked fjords to the curiously sterile exposed
mantle of the Tablelands formation, this is a wild...

**Resource Type:** Teaching Media, Virtual Field Trips

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

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Tour the Solar System

Public Broadcasting Service (PBS)

For those wanna-be astronauts and space travelers out there, this interactive model of the solar system could prove to be highly addictive. With one click, you can visit Saturn, Venus, or the other planets and then spin and explore them in three dimensions. The interface uses NASA calculations to...

**Resource Type:** Teaching Media, Virtual Field Trips

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

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Solar System Tour

Nine Planets

An interactive tour of the solar system. Students can click on various elements of our solar system and gain information on their size, atmosphere, geologic features, and other scientific facts.

**Resource Type:** Teaching Media, Virtual Field Trips

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

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Photo Gallery of Vermont Geology

Vermont Geological Survey (VGS)

Photo Gallery from Vermont's Geological Survey

**Resource Type:** Image Collections, Teaching Media

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

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Do Small Classes Reduce the Achievement Gap between Low and High Achievers? Evidence from Project STAR

2008, The Elementary School Journal

Given that previous findings on the social distribution of the effects of small classes have been mixed and inconclusive, in the present study I attempted to shed light on the mechanism through which small classes affect the achievement of low, and
high-achieving students. I used data from a 4-year...

**Resource Type:** Education Reports, Professional Resources

Generation Beyond: Resources
Lockheed Martin
Lockheed Martin partnered with Discovery Education to develop lesson plans, activities, and other resources. With your help, we can prepare and inspire this generation to reach new heights.

**Resource Type:** Classroom Activities, Curricula and Instruction
**Grade Level:** K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

National Recycle Week (changing dates)
Planet ARK
In November 1996, Planet Ark founded National Recycling Week to bring a national focus to the environmental benefits of recycling. Now in its 21st year, this established and highly regarded annual campaign continues to educate and stimulate behavior change by: promoting kerbside, industrial and...

**Resource Type:** Commemorative Days and Events, Outreach Programs

K-12 Community
Comet MetEd
COMET and MetEd offer many resources suitable for use in teaching geosciences to students in K-12.

**Resource Type:** Classroom Activities, Curricula and Instruction
**Grade Level:** K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12