Education Resources

The Education GeoSource database aggregates geoscience education resources from a variety of providers. The goal is to provide visitors with the widest possible collection of curricula, classroom activities, teacher professional development opportunities, science education standards, virtual field trips, teaching ancillaries and much more. We encourage visitors to review our collections, suggest other resources, and let us know when items are out of date or problematic for other reasons.

If there is a resource you would like us to add, please let us know by filling out our Suggest a Resource form.

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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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

We're Oversalting Out Food, And It's Not What You Think
2015, MinuteEarth
Loads of salt aren’t just bad for humans, but plants as well. Plants absorb the salt through their roots, potentially cutting off their water supply, causing for dead plants. Watch this video to learn what farmers are doing to reduce the high levels of salt in the soil.

Resource Type: Teaching Media, Videos or Animations
Grade Level: 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

### 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

### Solar System Tour
Nine Planets
An interactive tour of the solar system. Students can clock 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
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

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