

## Teacher and Student Online Sites for Resources and Information

The following websites and links will provide teachers with information, activities and resources for teaching sciences related to the earth and beyond, natural resources and technology. Students will find plenty of information and pictures for projects and research.

Several sites will assist students, parents and teachers with information and direction for career paths and opportunities and continuing education.

Use the Key to help guide you to the most useful site for your requirements.

### KEY

**Subject or activity area:**

- A** Activities available for download or purchase
- G** Glossary of Earth Science terms
- I** Data and Information
- L** Links with other websites
- N** Up-to-date news
- T** Teacher notes, lesson plans, virtual tours

**Teaching area:**

- E** Level suits Early Childhood
- P** Level suits Primary
- S** Level suits Secondary
- U** Level suits Upper Secondary

<http://members.ozemail.com.au/~macinnis/scifun/earth.htm> **A, I, T P S**  
An excellent website written by Peter MacInnis (Australia). Earth Science classroom activities with explanatory notes such as: [Salt in sand](#), [Angle of rest in sand](#), [Dune science](#), [Stalactites model](#), ["Faking a fossil"](#).

<http://www.curriculum.edu.au/science/> **A, I, L, T E P SU**  
Excellent website for schools by the Curriculum Corporation (Australian Dept. Education, Science and Training). All aspects of Science teaching including [The Earth | And Beyond](#), [Earth Sciences](#) (for Senior Science), Energy and Change, Natural and processed materials, as well as other related resources available. Includes many links to other highly informative and interactive websites such as: [EdNA Online](#) (Excellent), [Scitech online](#), [ResourceNet Education](#)

<http://www.ga.gov.au/> **A, I, N, T P S U**  
Geoscience Australia (Commonwealth Government) website. Comprehensive information, data and activities using Australian examples. Includes  
<http://www.ga.gov.au/rural/> Minerals, regolith & land  
<http://www.ga.gov.au/urban/> Earthquakes and other natural hazards  
<http://www.ga.gov.au/urban/geomagnetism.jsp> Geomagnetism  
<http://www.ga.gov.au/oceans/> Formation, exploration and use of oil & gas  
<http://www.ga.gov.au/oceans/marine.jsp> Oceans and coasts

<http://www.ga.gov.au/nmd/geodesy/> Satellite remote sensing and exploration

<http://www.ga.gov.au/nmd/mapping/> Surveying the land and making maps

<http://www.ga.gov.au/education/> Education resources and fact sheets

<http://www.ga.gov.au/jobs/> Careers in the geosciences

<http://www.geoscience.gov.au/> Enter into the world of geosciences

<http://www.ga.gov.au/education/minerals/> All there is to know about minerals

<http://www.ga.gov.au/map/mrmipc/beta/> Online tools for geoscience activities

<http://www.gsa.org.au/>

I, L, T S U

Geological Society of Australia website. Includes aspects of geoscience education, careers and particularly “Geoscience for Schools” (See: [Earth Science Australia](#).)

<http://webmineral.com/>

I, L, T E P S U

The complete mineralogy database. From photographs of all of the known minerals to advanced crystallography and X-ray diffraction. Suitable for medium to advanced level studies of minerals.

<http://www.teachcoal.org/>

A, G, I, L, T E P S U

An excellent website by the American Coal Foundation. Includes: All about coal, Lesson plans for all levels; Resources, a Glossary of terms; a Teacher store and an up-to-date News and Events site.

<http://college.hmco.com/geology/resources/geologylink/index.html> A, G, I, L, T E P S U

A Houghton Mifflin (USA) website with up-to-date information and activities for use in the classroom. Very comprehensive. Includes areas such as: The Earth Today, In The News, Virtual Classroom, Virtual Field Trips, Inside Geology and a Glossary of geological terms.

<http://www.sdnhm.org/kids/minerals/index.html>

A, G, L, T E P S U

San Diego Natural History Museum. Excellent interactive website includes: [How to Identify Minerals](#), [Create a Collection](#), [Grow Your Own Crystals](#), [Mine Games](#), [Mineral FAQs](#), [Regional Minerals](#)

<http://www.rocksforkids.com/index.html>

A, I, L, T E P S U

GMB Services website (Ontario, Canada) for teachers and students. Excellent resource for lesson planning and classroom use that includes: [How R & M Are Formed](#), [Identifying R & M](#), [Uses](#), [Quarries](#), [Collecting](#), [Fossils](#), [Natural Disasters](#), [Teacher's Corner](#), [New Landscape](#)

[http://www.nrcan.gc.ca/mms/scho-ecol/toc\\_e.htm](http://www.nrcan.gc.ca/mms/scho-ecol/toc_e.htm)

A, G, I, L, T E P S U

National Resources Canada (Government) website for teachers and students. Excellent source of information for school projects and classroom activities. Includes: [Minerals and Metals at Home!](#), [Start a mine](#), [Our Hidden Treasures](#), [Look Beneath the Surface](#), [environment](#), [Careers in the Mining Industry](#), [NRCat's Scratching Post](#), [Glossary](#)

<http://www.bgs.ac.uk/education/>

I, L P S U

British Geological Survey website. Less educational and more an information resource. Includes: Ask-about-Geology, Rocks in your eyes, Geological timechart,

Volcanoes, Fossil Focus, Science & society , Educational links

<http://www.bcminerals.ca/rocks/links.html> **A P S**  
Education Division of the Mining Association of British Columbia (Canada) website. Contains two construction and interactive activities for the classroom: Rock Cycle Pinwheel [[download - pdf format;120K](#)] and Ferris Wheel Rock Cycle [[download - pdf format;132K](#)]

<http://minerals.state.nv.us/> **A, I, L, T P S U**  
Nevada Commission on Mineral Resources, Division of Minerals Website. Excellent (USA) site for Earth Science and Mining website links, eg. [http://minerals.state.nv.us/programs/edu\\_links.htm](http://minerals.state.nv.us/programs/edu_links.htm) A wealth of information and resources relating to minerals and mining by clicking on any of the links listed. [http://minerals.state.nv.us/forms/forms\\_educ.htm](http://minerals.state.nv.us/forms/forms_educ.htm) A comprehensive list of resources and activities with links to other relevant websites.

<http://www.nearctica.com/educate/educate.htm> and  
<http://www.nearctica.com/educate/subject/subject.htm> **I, L P S U**  
Nearctica.com Books (USA) website. Excellent website with encyclopaedic listing of all natural Science website links. Very comprehensive listing of Earth Science topics and their website links. Has a range of options and pathways to obtain information and activities.

<http://sciencebulletins.amnh.org/> **N, T E P S U**  
American Museum of Natural History up-to-date Science bulletins, including Earth Science events.

<http://www.northernminer.com/Tools/Geology101/geo101.asp> **I, N P S U**  
North American (Canadian) mining newspaper on line. All sorts of useful information about the mining industry, including careers. No interactivity.

[http://directory.google.com/Top/Science/Earth\\_Sciences/Geology/Rocks\\_and\\_Minerals/Education/](http://directory.google.com/Top/Science/Earth_Sciences/Geology/Rocks_and_Minerals/Education/)  
[http://directory.google.com/Top/Science/Earth\\_Sciences/Geology/Education/](http://directory.google.com/Top/Science/Earth_Sciences/Geology/Education/)  
**Google search engine website links to other Earth Science topics.**

### Careers in the Minerals Industry

<http://www.cmewa.com/careers/index.html>

<http://www.minerals.org.au/careers>

<http://www.csiro.au/index.asp?type=educationIndex&stylesheet=educationCareers>