

## Outreach Resources

### Web Sites

- AGI's Education website
- AGI's K-5 GeoSource website
- AGI's Critical Issues website
- AAPG's YEA resources
- American Petroleum Institute's educational materials
- Earth Science Week
- Earth Science Image Bank
- *K-5 GeoSource*
- Offshore Energy Center
- NASA's Earth Observatory
- *National Science Education Standards*
- *Benchmarks for Science Literacy*
- USGS Educational Resources

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### Books

- Benbow, Ann; Mably, Colin. (2002) *Science Education for Elementary Teachers*. Wadsworth Thomson Learning. Australia
- *Benchmarks for Science Literacy*. (1993). American Association for the Advancement of Science. Oxford University Press. Washington, D.C.
- Hassard, J., 2005, *The Art of Teaching Science*, New York, The Oxford University Press.
- Hassard, J., 2000, *Science as Inquiry*, Parsippany, New Jersey, Good Year Books.
- Hassard, J., 1988, *Adventures in Geology*, Alexandria, Virginia, American Geosciences Institute
- National Research Council (1996). *National Science Education Standards*. National Academy Press, Washington, D.C.
- Smith, Michael J.; Southard, John B. (2002) *EarthComm: Earth System Science in the Community*

. It's About Time, Inc. Armonk, NY

- Smith, Michael J.; Southard, John B.; Mably, Colin, (2003) *Investigating Earth Systems*. It's About Time, Inc. Armonk, NY

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### Reports

- Akerson, Valerie L.; Hanuscin, Deborah L. (2007) *Teaching Nature of Science through Inquiry: Results of a 3-Year Professional Development Program* *Journal of Research in Science Teaching* Vol. 44, No. 5, pp. 653–680
- Appleton, Ken (1997) *Analysis and Description of Students' Learning during Science Classes Using a Constructivist-Based Model* *Journal of Research in Science Teaching* Vol. 34, No. 3, pp. 303–318
- Ault, Jr, Charles R. (1998) *Criteria of Excellence for Geological Inquiry: The Necessity of Ambiguity* *Journal of Research in Science Teaching* Vol. 35, No. 2, pp. 189–212
- Colburn, Alan (Sep/Oct 2000) *Constructivism: Science education's "grand unifying theory"* *The Clearing House*; Vol. 74, No. 1; Education Module pp. 9-12
- Crawford, Barbara. (2007) *Learning to Teach Science as Inquiry in the Rough and Tumble of Practice* *Journal of Research in Science Teaching* Vol. 44, No. 4, pp. 613–642
- Donovan, S., Bransford, J. and Pellegrino, J. (editors). (1999). *How People Learn: Bridging Research and Practice* National Academy Press, Washington, D.C. 78 pages. The report is also available on-line.

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### Materials

- Association of American State Geologists (AASG). Good resource for rocks and minerals
- Earth Science World Image Bank. Good resource for Earth science images.
- Water Cycle Poster USGS
- Why Earth Science Brochure
- NASA teaching materials
- USGS teaching materials
- EPA teaching materials
- Paleontology Portal

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### Slide Shows

- Bringing Science To School. *A Guide to Assist Scientists in Bringing Their Research Into K-12 Classrooms* by Marti Canipe, Albert Einstein Distinguished Educator Fellow 2009-2010

- Your Planet Earth. Find a growing library of talks on earth sciences and evolutionary topics that may be of interest to earth sciences and education professionals as a basis for engagement and outreach shows in schools.
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