Print Resources

Baylor, B., and P. Parnall. Illustrator. 1985. *Everybody needs a rock.* New York: Aladdin. This is an excellent book describing observation and classification of rocks. Promotes curiosity and interest in the natural world.

Cole, J. 1987. *The magic school bus: Inside the Earth.* New York: Scholastic. This book appeals to younger or more challenged students. Videos are available to complement the book.

Flagg, A. 1998. *Rubrics, checklists and other assessments for the science you teach.* New York: Scholastic. This is one of the best books I have found for rubrics, checklists and more. It contains rubrics suitable for teacher use, student use, or group self-evaluations. The rubrics are simple and appealing.

Gans, R., and H. Keller. Illustrator. 1997. *Let's go rock collecting.* New York: HarperCollins. This book describes how sedimentary, metamorphic, and igneous rocks are formed. Includes tips for collecting rocks.

Griffey, H. 1998. *Volcanoes and other natural disasters.* Lebanon, IN: DK Publishing, Inc. This book can be used for science content or for expository reading. Students love the pictures and stories of disasters.

Hester, E. [American Ed.]. 2004. *Rocks and minerals.* New York: Eyewitness Books. This book features many colorful photographs of the different type of rocks in their natural environment (caves etc). Also good for teachers' background content information.

Jensen, E. 2005. *Teaching with the brain in mind.* Alexandria, VA: Association for Supervision and Curriculum Development. Jensen explains the fundamentals of brain-based teaching, which includes hands-on, constructivist teaching techniques.

Moore, J. 2003. *Hands-on science: 20 themes*. Monterey, CA: Evan-Moor Corp. This book contains theme-based learing experiences in an easy format.

Merrians, D. 1975. *I can read about earthquakes and volcanoes*. Mahwah, NJ: Troll. This book comes with a read-along cassette. It is very useful for lower-level children who need help with reading and need content to be simplified.

Walker, J. 1993. *Natural disasters: Earthquakes*. New York: Shooting Star Press Inc. This book is an interesting read for students, explaining in pictures, words, and diagrams the processes of earthquakes.

Internet Resources

Minerals and Mining
www.azcu.org/intermediate.pdf

This site is a multidisciplinary unit written by Gail Lichtenhan. It contains lessons, rubrics, standards, worksheets, and everything you would need to teach this unit. It is specific to Arizona, but could be adapted to any other area of the country.

The Dynamic Earth
www.mnh.si.edu/earth/main_frames.html
This site is from the Smithsonian National Museum of Natural History. It provides a multimedia exploration of the Earth, gems and minerals, and other visual formats to entice your students into research.

Geology and Earth Science
www.geology.com
This website had a lot of links to many aspects of earth science, including investigating an Atlantic Tsunami, volcanoes, and rocks. I explored the gems and minerals part of the site. It was written at a much higher level than I teach, but it seemed as though the information could be explored at a lower level.

The Geological Society of America
www.geosociety.org/educate
This site was really aimed at elementary school teachers. I liked being able to search real lesson plans. I followed a search for lesson plans on rocks and I was rewarded. There are not only lesson plans, but also links that are useful for use in the classroom. I particularly liked the Rockhound slideshow.

Everyday Uses of Minerals
www.mii.org/3everyday.html
This is a great site. You can download about 15 units and sign up to receive free materials. Follow the rocks links and you can find a lot of great stuff. One of the resources I found on this site is full color lesson plans completely set out and ready to go. These lesson plans are titled "Dig a Little Deeper" and explore how minerals are used in lightbulbs, toothpaste, and other common household items. I have seen these lessons on the other sites, but these are set out so well that they are interesting to both the student and teacher.

Strategies for Teaching to Students With Special Needs

Bennington, A. 2004. *Science and pre-school children with special education needs: Aspects of home-based teaching sessions*. *British Journal of Special Education* 31 (4): 191–198.

Haury, D.L. 2003. *Teaching science through inquiry.* Columbus, OH: ERIC Clearinghouse for Science, Mathematics, and Environmental Education.

Steele, M.M. 2004. *Teaching science to students with learning problems in the elementary classroom. Preventing School Failure 49* (1): 19–21.

McCann, W.S. 2003. *Science classrooms for students with special needs.* Columbus, OH: ERIC Clearinghouse for Science, Mathematics, and Environmental Education.

Watson, S.M.R., and L. Houtz. 2002. *Teaching science: Meeting the academic needs of culturally and linguistically diverse students. Intervention in School and Clinic 37* (5): 267–278.