

Independent School District of Boise City

Science 4 Appendix Bibliography

District Course #4006

This Bibliography provides a sampling of books and other resources that complement the various science units. The selections were made from the resource portions of each kit as well as the National Science Teachers Association (<http://www.nsta.org>). Please visit these areas for more ideas.

Land and Water

Resources for teachers: Pamphlets, Leaflets, and Fact Sheets

The following pamphlets are available free of charge from the U.S. Geological Survey, 134 National Center, Reston, VA 22092.

Glaciers: A Water Resource
The Hydrologic Cycle
Rain: A Water Resource
Save Water . . . Save Money
Water of the World
What is Water?
Why Is the Ocean Salty?

The following information is available free of charge from the Geological Inquiries Group, U.S. Geological Survey, 907 National Center, Reston, VA 22091. (Request packets on school letterhead. Indicate the grade level and subject taught.)

Selected Packet of Geologic Teaching Aids: A variety of leaflets on selected earth science topics, such as rock collecting, erosion, interior of the earth, and landforms. Also includes a list of references on the geology of your state.

The following fact sheets are available free of charge from the U.S. Geological Survey, 135 National Center, Reston, VA 22092

Drought

Floods and Flood Plains

What Is Acid Rain?
What is Ground Water?

Cole, Joanna. The Magic School Bus at the Waterworks. New York: Scholastic, 1986, also available in video.

When Ms. Frizzle, the strangest teacher in school, takes her class on a field trip to the waterworks, everyone ends up experiencing the water purification system from the inside.

Cole, Joanna. *The Magic School Bus: Inside the Earth*. New York: Scholastic, 1987, also available in video.

On a special field trip in the magic school bus, Ms. Frizzle's class learns about different kinds of rocks and the formation of the earth.

Ganaeri, Anita. *Rivers, Ponds and Lakes*. New York: Dillon Press, 1991.

Describes how modern life is affecting ponds, rivers, and lakes and discusses possible ways of saving endangered species in these surface waters.

Ganes, Roma. *Water for Dinosaurs and You*. Toronot: Fitzhenry and Whiteside, 1972.

Discusses how water on the earth millions of years ago is still here today. Includes a simple description of water cycle and discusses the effects of pollution on earth's water supply.

Food Chemistry

Asimov, Isaac. *How Did We Find Out About Vitamins?* New York: Walker and Company, 1974.

An historical account of the discovery of vitamins. Introduces the different scientists who played an important role in the discovery of these vitamins.

Cobb, Vicki. *Gobs of Goo*. New York: J.B. Lippincott, 1983.

Describes various types of sticky substances and shows how they are used in everyday life. The topics in the book correlate strongly with the lessons in Food Chemistry.

Roberts, Willo Davis. *Sugar Isn't Everything*. New York: Macmillan, 1988.

A short novel about a girl with diabetes and how she copes with her disease.

Showers, Paul. *What Happens to a Hamburger?* New York: Harper and Row, 1985.

A brief account of digestion and why it is important to eat a variety of foods.

Ward, Brian R. *Diet and Nutrition*. New York: Franklin Watts, 1987.

Covers nutrition and its role in health. Provides an excellent introduction to each nutrient and why nutrients are important. Also discusses different ways to organize foods.

Structures of Life

Pope, Joyce. *Plants and Flowers*. Mahwah: Troll Associates, 1994.

Clear illustrations and text describe seeds, insects, and flowers. Interesting chapters cover plants without flowers and flesh-eating plants. Others in series include *Night Creatures*, *Animal Journeys*, and *Trees and Leaves*.

Ruiz, Andres. *Metamorphosis*. New York: Sterling Publishing, 1995.
Entertaining text and artwork present the life cycles of dragonflies, frogs, butterflies, and other insects. Also recommended in the series is *The Fight for Survival*.

Electrical

Cosner, Shaaron. *The Light Bulb*. New York: Walker and Company, 1984.
This is a serious book for young readers who are interested in the story of Edison's invention of the light bulb. It provides enough of the details of his struggles and the gritty work involved to give the budding young inventor a realistic view of the tasks that are ahead.

Davidson, Margaret. *The Story of Benjamin Franklin, Amazing American*. New York: Bantam Doubleday Dell, 1988.
This is an excellent, lively biography. It captures Franklin's curiosity and inventiveness while maintaining the very human dimensions of the man. This book is worth reading both for the science and for the history.

Quackenbush, Robert. *Quick, Annie, Give Me a Catchy Line, A Story of Samuel F.B. Morse*. New York: Prentice-Hall, Inc., 1983.
This is a whimsical account of Samuel Morse's life and his invention of the telegraph. It captures some interesting parts of an unusual history.