

## Independent School District of Boise City

### Science 6 Appendix Bibliography

### District Course #6006

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.

#### Measuring Time

Burns, Marilyn. *This Book Is about Time*. Boston: Little, Brown, and Co., 1978. This book is full of interesting stories about the history of timekeeping and suggestions for student projects and activities.

Clark, Ann Nolan. *Sun Journey: A Story of Zuni Pueblo*. Santa Fe, NM: Ancient City Press, 1988.

This is the story of a grandfather teaching his grandson Zuni traditions, including how to tell Zuni time and keep the Zuni calendar.

Fisher, Leonard Everett. *Pyramid of the Sun, Pyramid of the Moon*. New York: Macmillan Publishing Co., 1988.

This is a beautifully illustrated story about Toltec and Aztec astronomy and associated religious customs.

Hadley, Eric, and Tessa Hadley. *Legends of the Sun and Moon*. Cambridge, England: Cambridge University Press, 1983.

This book contains a dozen myths and tales from around the world. It is an excellent source of non-European myths.

Moeschl, Richard. *Exploring the Sky: 100 Projects for Beginning Astronomers*. Chicago: Chicago Review Press, 1989.

Some of the projects included in this book are making a Mayan calendar, building a working model of Stonehenge, telling directions from the sun, making sundials and water clocks, and keeping track of the sun during the day. It is an excellent resource for student projects.

#### Additional Resources: Time Travel

Greer, Gery, and Bob Ruddick. *Max and Me and the Time Machine*. New York: Harper and Row, 1983.

Max and his best friend, Steve, buy a time machine at a garage sale and find themselves transported back to the Middle Ages. Steve becomes a famous knight, and Max is changed into his trusty horse. In the process of trying to get Max out of the hour's body, they rescue a maiden, fight a tournament with an evil knight, and generally shake up medieval society.

## **Variables**

Banks, Jacqueline. Egg-drop Blues. New York: Houghton Mifflin Company, 1995. In Bank's third book about a sixth grade class in Kentucky, Judge tells of overcoming his difficulties with his brother and his schoolwork as they collaborate on their design to win an egg-drop competition.

Blackman, Steve. Ships and Shipwrecks. New York: Franklin Watts, 1993. The projects in this book include various models for raising a wreck, a sailboat, and self-righting craft.

Gormley, Beatrice. Back to the Titanic. New York: Scholastic, 1994. Matt, Emily, and Jonathan travel back through time to try to change the course of history and save the Titanic.

Hagedorn, Dan. The Story of Flight. New York: Scholastic, 1994. The innovations created during the development of flight are presented here with fascinating fold-out illustrations and overlays.

Szabo, Corinne. Sky Pioneer: A Photo biography of Amelia Earhart. Washington D.C.: National Geographic Society, 1997. A beautiful book that follows the life and travels of one of the world's most famous women.

## **Water**

Cherry, Lynne. A River Ran Wild. San Diego: Harcourt Brace and Company, 1992.

An environmental history of the Nashua River, from its discovery by Native Americans through the polluting years of the Industrial Revolution to the ambitious cleanup effort that revitalized it.

Hamilton, Virginia. Drylongso. New York: Harcourt Brace, 1997.

An African American story about Lindy and her family, who are suffering through a long drought. The mystical by, Drylongso, teaches them the secrets of finding water hidden in the earth.

Staub, Frank. America's Wetlands. Minneapolis: Carolrhoda Books Inc., 1995. Describes wetland environments, how to recognize them, and why some wetlands aren't always wet. Introduces a wide variety of plants and animals that depend on wetlands. Color photographs.

## **Mixtures and Solutions**

Arnold, Nick. Chemical Chaos. New York: Scholastic, 1997. A wacky look at chemistry with fact files and experiments.

Cobb, Vicki. *Science Experiments You Can Eat*. New York: HarperCollins, 1994. Experiments with food demonstrate various scientific principles and produce an edible result. Includes rock candy, grape jelly, cupcakes, and popcorn.

Sarquis, Jerry and Lynn Hogue, Mickey Sarquis, and Linda Woodward. *Investigating Solids, Liquids, and Gases with Toys*. New York: McGraw-Hill, 1997. Ideas for toy-based activities and projects.

Zubrowski, Bernie. *Soda Science: Designing and Testing Soft Drinks*. New York: Beech Tree Paperback Book, 1997. Explores how soft drinks are made, with experiments and activities that demonstrate the scientific principles involved.

### **Floating and Sinking**

Jennings, Terry. *Floating and Sinking*. New York: Gloucester Press, 1988. This guide leads students through a series of interesting examples intended to demonstrate how objects float. Each demonstration is colorfully illustrated and simple to try.

Macaulay, David. *The Way Things Work*. Boston: Houghton Mifflin, 1988. Sections of this book deal with floating, the history of ships, and ship propulsion. The book features outstanding pictorial descriptions of various phenomena and machines.

McGovern, Ann. *Shark Lady: True Adventures of Eugenie Clark*. New York: Four Winds Press, 1978. A fascinating biography of an ichthyologist. The biography covers Eugenie Clark's life from her early interest in fish to her important scientific work.

Taylor, Barbara. *Sink or Swim! The Science of Water*. New York: Random House, 1991. A book of engaging science activities for students involving many water-related phenomena. Clear illustrations and directions make it possible for children to explore these ideas on their own.