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**MAHONING RIVER PROJECT**

A Selected Bibliography Of Circulating Materials For  
Elementary School Students  
2002

**AIR POLLUTION**

*The Greenhouse Effect.* Sharon Elaine Thompson. Lucent Books, 1992.

Discusses the greenhouse effect, the consequences of a warming world and potential ways to protect the environment.

*Keeping the Air Clean.* John D. Baines. Raintree Steck-Vaughn, 1998.

Explains air pollution and discusses the importance of preserving clean air.

*The Ozone Hole.* Jane Walker. Gloucester Press, 1992.

Examines the function of ozone in the atmosphere and the causes and impact of a depleted ozone layer.

*Polluting the Air.* Tony Hare. Gloucester Press, 1992.

Examines the causes and effects of air pollution and explores methods to combat this threat.

*Reference Guide to Clean Air.* Cass R. Sandak. Enslow, 1990.

Discusses the many environmental problems, in alphabetical order, that plague our air and atmosphere.

*Vanishing Ozone: Protecting Earth from Ultraviolet Radiation.* Laurence P. Pringle. Morrow Junior Books, 1995.

The disturbing story of the thinning ozone layer and the conflicts it is causing among governments, environmentalists and industry.

**ANIMALS**

*Birds of America.* John James Audubon. Macmillan, 1937.

A field guide to birds found in America.

*Birds: The Waterbirds.* Robin Kerrod. Facts on File, 1989.

Brief descriptions of birds that live in or near the water.

***Frogs and Toads.*** Steve Parker. Sierra Club Books for Children, 1992.

Leap into the colorful world of frogs and toads in a book filled with foldout flaps and dozens of full-color photographs and illustrations.

***Meet the Beaver.*** Leonard Lee Rue. Dodd, Mead, 1986.

Discusses the physical characteristics, behavior, range, food habits and enemies of the beaver.

***National Audubon Society First Field Guide. Shells.*** Brian Cassie. Scholastic, 2000.

Learn how to identify shells. Includes detailed descriptions and photographs of fifty common North American shells.

***Otters.*** Emilie U. Lepthien. Childrens Press, 1994.

Discusses the physical characteristics and behavior of the otter.

***Pond Life.*** Barbara Taylor. Dorling Kindersley, 1992.

Examines the variety of life found in ponds.

***Raccoons.*** Patrick Merrick. Childs World, 1999.

Describes the physical characteristics, behavior, habitat and life cycle of raccoons.

## **AQUATIC LIFE**

***Animals That Walk on Water.*** Patricia A. Fink Martin. Franklin Watts, 1997.

Describes how some creatures travel across the water's surface.

***Fish.*** Steve Parker. Dorling Kindersley, 2000.

Learn how fish evolved, how they live and learn about their unusual habits. An Eyewitness book.

***Fish.*** Herbert Spencer Zim. Golden Press, 1955.

A handbook of common fishes of North America.

***Salmon.*** Sabrina Crewe. Raintree Steck-Vaughn, 1997.

Describes the habitat, eating habits and life cycle of the sockeye salmon.

***Water Insects.*** Sylvia A. Johnson. Lerner Publications Co., 1989.

Describes the physical characteristics, behavior and life cycles of some insects that spend most of their lives in the water.

## BRIDGES

***Bridges.*** Andrew Dunn. Thomson Learning, 1993.

Looks at the methods and materials used to build bridges. Includes some projects.

***Bridges: Amazing Structures to Design, Build & Test.*** Carol A. Johmann. Williamson, 1999.

Describes different kinds of bridges and their history, design and construction, as well effects on populations, environmental dilemmas, safety and more.

***Build It!: Activities for Setting Up Super Structures.*** Lerner Publications, 1999.

Presents projects for constructing and testing a variety of structures, including bridges.

## CANALS

***Erie Canal.*** Craig A. Doherty. Blackbirch Press, 1997.

Discusses the history of this waterway and explains the engineering, architecture and mechanical procedures involved in its construction.

***Erie Canal.*** American Heritage (Periodical). Troll, 1964.

A comprehensive history of the Erie Canal.

***River and Canal.*** Edward Boyer. Holiday House, 1986.

Describes the design, construction, and operation of an imaginary nineteenth-century canal, based upon histories of similar real canals.

## CARTOGRAPHY

***Be Your Own Map Expert.*** Barbara Taylor. Sterling Pub. Co., 1993.

An activity book with lots of ideas and information that will help you make and understand all kinds of maps.

***How Maps Are Made.*** Martyn Bramwell. Lerner Publications, 1998.

Describes the history of mapmaking and provides instructions for making maps.

***Maps: Getting from Here to There.*** Harvey Weiss. Houghton Mifflin Co., 1991.

Discusses aspects of maps, how maps are made and special purpose maps, as well as charts.

***Mapping Our World.*** Martyn Bramwell. Lerner Publications, 1998.

Uses maps and text to describe the earth's changing conditions.

## **DAMS**

***Building Big.*** David Macaulay. Houghton Mifflin, 2000.

Focuses on connections between planning and design problems and the solutions that are finally reached for several types of structures, including dams.

***Hoover Dam.*** Craig A. Doherty. Blackbirch Press, 1995.

Discusses the history of the Hoover Dam.

## **FLOODS**

***Floods.*** Peter Murray. Child's World, 1997.

Explains how floods occur and the damage they cause.

***Floods.*** Aleksandrs Rozens. Twenty-First Century Books, 1994.

Explains the terror felt when a flood occurs.

***Flood: Wrestling with the Mississippi.*** Patricia Lauber. National Geographic Society, 1996.

Describes the flooding of the Mississippi River in 1993 and the effects on the people near the river as well as the aftermath.

## **GEOGRAPHY**

***The Book of Where, or How to Be Naturally Geographic.*** Neil Bell. Little Brown, 1982.

Text, illustrations and suggested activities simplify understanding of scale, maps, the globe and more. A Brown Paper School Book.

***Where on Earth: A Geografunny Guide to the Globe.*** Paul Rosenthal. Knopf, 1992.

A humorous introduction to the various aspects of geography and how they affect life on different continents.

## **GEOLOGY**

***Geology.*** Frank Harold Trevor Rhodes. St. Martin's Press, 1991.

This Golden Guide covers the five billion years of history that have given the earth its present form.

***Geology Crafts for Kids: 50 Nifty Projects to Explore the Marvels of Planet Earth.*** Sterling Pub. Co., 1996.

Activities to help you explore land formations, erosion and more.

***Geology Rocks!: 50 Hands-On Activities to Explore the Earth.*** Cindy Blobaum. Williamson, 1999.

Fifty hands-on activities to introduce the science of geology and explain the formation and history of the earth.

***Earth Explained: A Beginner's Guide to Our Planet.*** Barbara Taylor. Henry Holt, 1997.

Explains the evolution of the earth.

## **HYDROLOGY**

***Water.*** Sally Morgan. Facts on File, 1994.

Explores the impact of water on society.

***Water Ecology.*** Jennifer Cochrane. Bookwright Press, 1987.

Alternates factual information about the ecological aspects of water with activities and experiments.

***Water Science.*** Deborah Seed. Addison-Wesley Pub. Co., 1992.

Discusses the functions, properties and importance of water in our lives and examines the hazards we face as we pollute it. Includes games and tricks.

***Water Up, Water Down: The Hydrologic Cycle.*** Sally M. Walker. Carolrhoda Books, 1992.

Describes the hydrologic cycle and its importance to life on Earth.

## **OHIO PLANTS**

***Plants.*** Anita Ganeri. F. Watts, 1992.

Information about various types of plants and how and where they grow. Includes simple projects.

***Plant Kingdom: A Guide to Plant Classification and Biodiversity.*** Theresa Greenaway. Raintree Steck-Vaughn, 2000.

Explains the life forms that make up the plant kingdom, what characteristics they have in common and how they are unique.

***Wildflowers of North America: A Guide to Field Identification.*** Frank D. Venning. Golden Press, 1984.

This Golden Guide identifies wildflowers found in North America.

## ORAL HISTORY

***My Backyard History Book.*** David L. Weitzman. Little, Brown, 1975.

Activities and projects, such as time capsules and rubbing, demonstrate that learning about the past begins at home.

## RIVERS

***Getting to Know the Ohio River.*** Jeannette Covert Nolan. Coward, McCann & Geoghegan, 1973.

Discusses the importance of the river's geographical position and the resources of its valley in the history of the nation.

***Mississippi River.*** Maria Mudd-Ruth. Benchmark Books, 2001.

Describes the course of the Mississippi and the connections between the plant and animal species that live in and around it.

***Pond & River.*** Steve Parker. Knopf, 1988.

A photo essay about the range of plants and animals found in fresh water throughout the year. An Eyewitness book.

***River.*** David J. Bellamy. C. N. Potter, 1988.

Explains how plants and creatures co-exist in a river and describes their struggle for survival when a man-made catastrophe strikes.

***River.*** Laura Bour. Scholastic, 1992.

Transparent overlays depict the plant and animal life found along a river.

***Rivers.*** Andres Llamas Ruiz. Sterling Pub., 1996.

Illustrations depict the creation, types, stages and effects of rivers.

***Rivers and Lakes.*** David Cumming. Thomson Learning, 1995.

Describes rivers and lakes, detailing the plant and animal life they support, human use of water and the problems of pollution.

***Rivers and Lakes.*** Theodore Rowland-Entwistle. Silver Burdett Press, 1987.

Describes the characteristics of various types of rivers and lakes and details their importance to surrounding plant, animal and human life.

***River and Stream.*** April Pulley Sayre. Twenty-First Century Books, 1996.

Focuses on life in rivers and streams and explains the effect of pollution on these biotic communities.

## **RIVER TRANSPORTATION**

***Barge Book.*** Jerry Bushey. Carolrhoda Books, 1984.

Text and photographs describe the progression of cargo barges down the Mississippi River from Minneapolis to New Orleans.

***Oars, Sails, and Steam: A Picture Book of Ships.*** Edwin Tunis. Crowell, 1952.

Traces the building of different types of boats, describing principles incorporated into the vessels to improve navigation and safety.

***Ships.*** Andrew Haslam. World Book/Two-Can, 1996.

Build different types of ships with easily found materials.

***Ships.*** Jonathan Rutland. Warwick Press, 1982.

Discusses the history, design and construction of ships including steamships, ferries, and hydrofoils.

## **SCIENCE EXPERIMENTS**

***Experiment with Water.*** Bryan Murphy. Lerner Publications Co., 1991.

Simple science experiments demonstrate the basic scientific principles of water.

***Geology Projects for Young Scientists.*** Bruce G. Smith. Watts, 1992.

Science projects that explore all aspects of the earth's formation.

***Great Experiments with H<sub>2</sub>O.*** Noel Fiarotta. Sterling, 1996.

Details the history of water and its properties at rest and in motion, and in solid, crystal and vapor forms.

***Janice VanCleave's Earth Science for Every Kid.*** Janice Pratt VanCleave. Wiley, 1991.

Easy-to-follow instructions for experiments, each introducing a different earth science concept.

***Water Projects.*** John Williams. Raintree Steck-Vaughn, 1998.

Provides instructions for projects involving water, including a water clock, a flood alarm and a dredger.

## **SOIL CONSERVATION**

***Exploring Soil and Rocks.*** Ed Catherall. Steck-Vaughn, 1990.

Discusses soil composition and the earth's geology. Activities and experiments are included.

**Soil.** Suzanne Winckler. Lerner Publications, 1994.

Discusses the formation and role of different types of soils and how they have been endangered through unwise use.

## **WATER CONSERVATION**

**Wasting Water.** Donna Bailey. Watts, 1991.

Discusses how water is wasted and how it can be conserved and used more effectively.

**Water: A Resource in Crisis.** Eileen Lucas. Children's Press, 1991.

Discusses how human carelessness is polluting the earth's water supply and what should be done to clean it up.

## **WATER POLLUTION**

**Acid Rain.** Sally Morgan. Franklin Watts/Grolier, 1999.

Describes the causes and harmful effects of acid rain and the efforts being made to solve this problem.

**Water Pollution.** Kathlyn Gay. F. Watts, 1990.

Discusses the problem of our contaminated rivers, lakes and oceans and proposes ways to purify them.

## **WEATHER**

**Guide to Weather.** Michael Allaby. Dorling Kindersley, 2000.

Explores a wide range of weather topics including climate, seasons, solar wonders and weather forecasting.

**How the Weather Works.** Michael Allaby. Reader's Digest Association, 1995.

Hundreds of experiments are included in this introduction to weather.

**The Kids' Book of Weather Forecasting.** Mark Breen. Williamson, 2000.

This hands-on introduction to the science of meteorology explains how to make equipment used in weather forecasting, record measurements and observations and perform other related activities.

**National Audubon Society First Field Guide. Weather.** Jonathan D. Kohl. Scholastic, 1998.

Provides an overview of various weather conditions, how they develop and how they are studied.

***The Science Book of Weather.*** Neil Ardley. Harcourt Brace Jovanovich, 1992.  
Simple experiments demonstrate the forces that cause different types of weather.

***The Super Science Book of Weather.*** Kay Davies. Thomson Learning, 1993.  
Looks at weather and climate on both local and global levels, discussing natural cycles, changes in weather and weather prediction.

***Weather and Climate.*** Alvin Silverstein. Twenty-First Century Books, 1998.  
Examines the changes in the atmosphere that produce various weather phenomena and how weather patterns determine the climates of the earth's various regions.

***Weather Explained.*** Derek M. Elsom. Henry Holt, 1997.  
An in-depth look at the way weather works and an investigation into how forecasts are made.

## **FICTION**

***Danger along the Ohio.*** Patricia Willis. Clarion, 1997.  
Twelve-year-old Clare and her two brothers struggle to survive in the wilderness and avoid capture by the Shawnee when they become lost in the Ohio River Valley in 1793.

***The Great Fish.*** Peter Parnall. Doubleday, 1973.  
An Indian boy's grandfather tells him of the time when the mothers' tears for their hungry children brought salmon to the now polluted and lifeless waters.

***Letting Swift River Go.*** Jane Yolen. Little, Brown, 1991.  
Relates Sally Jane's experience of changing times in rural America, as she lives through the drowning of Swift River town in western Massachusetts to form the Quabbin Reservoir.

***On My Honor.*** Marion Dane Bauer. Clarion, 1986.  
Joel is devastated when his best friend drowns while they are both swimming in a river that they had promised never to go near.

***The Raft.*** Jim LaMarche. Harper Collins, 2000.  
Nicky spends a wonderful summer with his grandmother who introduces him to the joy of rafting down the river near her home and watching the animals along the bank.

***River.*** Debby Atwell. Houghton Mifflin, 1999.  
This picture book depicts the fate of a river that gradually becomes depleted as more and more people use its resources.

## **POETRY**

***My America: A Poetry Atlas of the United States.*** Selected by Lee Bennett Hopkins. Simon and Schuster Books for Young Readers, 2000.

A collection of poems evocative of seven geographical regions of the United States, including the Great Lakes.

***Earth Verses and Water Rhymes.*** Patrick J. Lewis. Atheneum, 1991.

A collection of poems celebrating the natural world around us.

***Snow Toward Evening: A Year in a River Valley: Nature Poems.*** Selected by Josette Frank. Dial, 1990.

Thirteen poems for around the year by famous poets.

## **SONGS**

***Gonna Sing My Head Off!: American Folk Songs for Children.*** Collected and arranged by Kathleen Krull. A. A. Knopf, 1992.

A collection of American folk songs for children, including “The Erie Canal”, “Shall We Gather at the River” and “What Have They Done to the Rain?”

***American Folk Songs for Children in Home, School and Nursery School.*** Ruth Crawford Seeger. Doubleday, 1948.

A collection of folk songs including “Sweet Water Rolling” and “Sailing the Boat.”

## **VIDEOS**

***All about Boats.*** Pint Size Productions, 1994.

Join Captain Buck on a tour of the harbor, exploring riverboats, barges and other types of boats.

***Creatures of the Blue.*** International Video Network, 1995.

Instrumental music accompanies views of rarely seen underwater wildlife.

***This Fragile Planet.*** Instructional Video, 2001.

Tour the habitats of the North Carolina aquarium.

***Real World Science: Habitats.*** Mazarella Bros., 1999.

Learn about the different types of habitats around the world.

***Real World Science: Trash and the Environment.*** Mazarella Bros., 1999.

Learn about landfills and recycling.