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Annotated Environmental Education Bibliography for Intermediate Students

This bibliography of trade literature is intended to facilitate interdisciplinary environmental education for students in the intermediate (4th and 5th) grades. Since the reading abilities of the students in any classroom can vary widely, a number of easier and more challenging books have been included to assist teachers with ensuring that all students will improve reading skills while learning about environmental content. The following symbols are provided to assist teacher and students' selections:

Symbol	Curriculum Connection
A	Action students can take, leadership
☺	Biography
✈	Cooperation, conflict resolution
⊖	Ecology, symbiosis
☀	Energy
♀	Female role model, women's history
H	History
?	Inquiry-driven learning
▣	Mathematics
🌍	Multi-culturalism and/or civil rights
🎵	Music
🖋	Picture book for beginning readers
S	Science and technology, beyond ⊖ books
💧	Water quality

Intermediate Annotated Bibliography

A ♀ ⊖ ? ■ S ♠ 50 Simple Things Kids Can Do to Save the Earth, by John Javna, The EarthWorks Group, 1990, ISBN 0-8362-2301-2. This something-for-everyone chapter book, illustrated with pen-and-ink drawings, has a two-page section for each of 50 steps that kids can take to protect the environment, in the following format: 1) “Take a Guess” (multiple choice question), 2) basic introductory information, 3) “Did You Know” motivational information, 3) realistic “What You Can Do” steps and 4) “See for Yourself” experiments and other learning opportunities.

⊖ ? S ♠ 101 Nature Experiments: A Step-by-Step Guide, by David Burnie, DK Publishing, 1996, ISBN 0-7894-0466-4. This “intermediate picture book,” heavily illustrated in color photos and pen-and-ink drawings, explain how to do simple scientific experiments about water, soil, composting, plants, small animals and the human body.

A ☺ ⊖ ♀ H S ♠ Adventurous Spirit: A Story About Ellen Swallow Richards, by Ethlie Ann Vare, Carolrhoda Books, Creative Minds series, 1992, ISBN 0-87614-733-3. This chapter book, details the life of the frail, but inquisitive, child that grew up to be the pioneer who founded the science of ecology.

♀ ⊖ ☀ H ■ S ♠ Air Pollution, by Gary Lopez, Creative Education, Images series, 1992, ISBN 0-88682-427-3. This book features whole-page photos with clear, short super-imposed explanations of air pollution from our environmental history to future.

A ☺ ♀ 🌿 🎵 ✍️ Albert Schweitzer: Friend of All Life, by Carol Greene, Children’s Press, Rookie Biography series, 1993, ISBN 0-516-04258-0. This “picture chapter book,” illustrated with photos, tells about the doctor that promoted and lived “reverence for life,” by caring for the people of French Equatorial Africa (now Gabon), and protecting animals. Chronology.

⊖ ☀ H S America’s Forests, by Frank Staub, Carolrhoda Books, Earth Watch Book series, 1999, ISBN 1-57505-265-2. This “picture chapter book,” illustrated with color photos, examines the growth and changing nature of forests, the plants and animals living there and how people use forest resources. Glossary.

Intermediate Annotated Bibliography

☺ ♀ H 🌿 S The Back of Beyond: A Story about Lewis and Clark, by Andy Russell Bowen, Carolrhoda Books, Creative Minds series, 1997, ISBN 0-57505-010-2 (library), 1-57505-224-5 (soft). This chapter book, illustrated in pencil, details the 1803-1806 expedition from St Louis to the Pacific Ocean, led by Meriwether Lewis and William Clark, while carefully keeping journals along the way. Bibliography.

☺ ♀ ☀ H ? ✍ S Benjamin Franklin's Adventures with Electricity, by Beverley Birch, Barron's Educational, Science Stories series, 1996, ISBN 0-8120-9790-4 (soft), 0-8120-6622-7 (hard). This picture book, illustrated with water-colored drawings that convey determination and ingenuity, describes Franklin's hypotheses, experiments and discoveries about electricity.

☺ ⊖ 🌿 ♀ The Big Book for Our Planet, edited by Ann Durell, et al, Dutton's Children's Books, 1993, ISBN 0-525-45119-6. This something-for-everyone collection of 28 short stories and poems was a team effort by over 40 writers and illustrators to warn children of environmental threats and encourage them to love their planet.

♀ ⊖ ? S Big Friend, Little Friend: A Book about Symbiosis, by Susan Sussman and Robert James, Houghton Mifflin, 1989, ISBN 0-395-49701-9. This "intermediate picture book," illustrated with color photos, describes 14 examples of symbiotic (mutually beneficial) relationships between organisms.

☺ ♀ ⊖ H 🌿 ✍ ♀ Brother Eagle, Sister Sky, Dial Books, 1991, ISBN 0-8037-0969-2. The (translated) words of Chief Seattle (1790-1866) to the Commissioner of Indian Affairs on the salability of the Northwest Nation's land to the government, illustrated by Susan Jeffers in pen-and-ink and dyes.

A ⊖ ☀ ? 📖 🌿 🎵 S ♀ Building for Tomorrow, by Nicola Barber, Steck-Vaughn, Facing the Future series, 1993, ISBN 0-8114-2805-2. This chapter book, heavily illustrated with color photos, covers a range of innovations in environmentally friendly and health-oriented ("green building") architecture and 21st century urban design. Student activities and glossary.

A ☺ H Bully for You, Teddy Roosevelt!, by Jean Fritz, GP Putnam's Sons, 1991, ISBN 0-399-21769-X. This chapter book, illustrated in pencil, follows the life of the asthmatic 26th US president, including his conservation work, family life and political career, without the usual glorification of war. Notes and bibliography.

Intermediate Annotated Bibliography

A ♀ ⊖ ? ✍ S ♠ Cave, by Donald Silver, Learning Triangle Press, One Small Square series, 1993, ISBN 0-07-057929-6. This picture book, aimed at 6-9-year-olds, illustrated in mixed media, introduces the dark, damp, yet unique world of caves. Experiments, safety tips, field guide, glossary-index, bibliography and materials list.

A ☺ ♀ ♀ H ■ S ♠ Champion of Children's Health: A Story about Dr S Josephine Baker, by Greg Ptacek, Carolrhoda Books, Creative Minds series, 1994, ISBN 0-87614-806-2. This chapter book, illustrated in pencil, describes the life and dedication of a doctor—who lost her brother and father to typhoid fever via sewage contaminated water—to organize government programs to promote child health care preventive health education. Bibliography.

☺ ♀ ⊖ H 🌳 ♠ Chico Mendes: Fight for the Forest, by Susan DeStefano, Twenty-First Century Books, Earth Keepers series, 1992, ISBN 0-941477-41-X. This chapter book, illustrated in pencil, tells the story of the Brazilian rubber tapper that led others in nonviolent protest against the destruction of the tropical rainforest and called for rainforest protections, achieving some successes until he was murdered. Glossary.

☺ H ? S Click! A Story about George Eastman, by Barbara Mitchell, Carolrhoda Books, Creative Minds series, 1986, ISBN 0-87614-289-7. This chapter book, illustrated in pencil, details the efforts of the man that loved to take landscape photos to invent cameras that would be lightweight and affordable and would not require users to handle dangerous chemicals.

♀ ⊖ ✍ ♠ Common Ground: The Water, Earth and Air We Share, by Molly Bang, Blue Sky Press, 1994, ISBN 0-590-10056-4. This picture book, illustrated with colorful paintings, is based on a parable about sheep grazing on common ground and invites discussion about our daily actions and the common good.

A ♀ ⊖ ☀ H ? ■ 🌳 S ♠ Communities, by Stephanie Turner, Steck-Vaughn, Ecology Alert! series, 1999, ISBN 0-8172-5373-4. This “intermediate picture book” discusses where people live, the different kind of settlements, and how they control their use of energy, food, water and waste. Case studies, activities, glossary and bibliography.

Intermediate Annotated Bibliography

A ⊕ ? S ♠ Dirty, Rotten, Dead?, A Greenpatch Book, by Jerry Emory, Harcourt Brace & Company, 1996, ISBN 0-15-200695-8. This large-format book, illustrated in watercolors, offers a worm-eye view of life, death and decomposition, including human digestion, wastewater treatment, water pollution, the Water Cycle, the Life Cycle, cellular biology and composting. Short glossary.

⊕ ? ✍ S ♠ Discovering Trees, by Douglas Florian, Charles Scribner's Sons, 1986, ISBN 0-684-18566-0. This picture book, illustrated in pen-and-ink and crayon, is a beginning natural history of trees and their habitats.

S Draw 50 Trees, Flowers and Other Plants, by Lee J Ames with P Les Ames, Main Street Books, 1994, ISBN 0-385-47150-5. This book shows how to draw plants in a simple step-by-step method, which will help children to develop confidence in their abilities to sketch what they see in their science journals. Each plant is labeled with its common, genus and family names.

✈ ⊕ H ✍ S ♠ The Drop in My Drink: The Story of Water on Our Planet, by Meredith Hooper, Penguin Group, 1998, ISBN 0-670-87618-6. This picture book, illustrated in vivid mixed media, tells of water's role in history from the prehistoric era to today. Discussion of the water cycle, interesting water facts.

✍ S ♠ A Drop of Water, by Walter Wick, Scholastic Press, 1997, ISBN 0-590-22197-3. This "intermediate picture book," illustrated with photos, describes the characteristics of water.

⊕ 🌍 ✍ S The Earth Is Painted Green, edited by Barbara Brenner, Scholastic, Inc, 1994, ISBN 0-590-45134-0. This book, illustrated in watercolors, contains almost 90 poems, some from Native American tribes.

A ☺ ✈ ⊕ ♀ H ? 🌍 ✍ S ♠ Earth Keepers, by Joan Anderson, Gulliver Green, 1993, ISBN 0-15-242199-8. This "intermediate chapter book," heavily illustrated with photos, discusses the work of three groups to protect the environment by 1) leading students to explore the Hudson River, 2) operating a community garden in New York City and 3) studying and protecting bears. Environmental group contact list.

Intermediate Annotated Bibliography

☽ ⊖ ♀ 🌿 🎵 📖 Earth Tales from Around the World, by Michael Caduto, Fulcrum Publishing, 1997, ISBN 1-55591-968-5. This book, illustrated in pen-and-ink, is a collection of 47 traditional short stories about nature from all continents. Many reflect pantheistic religions that may be objectionable to some parents. Interpretive lessons and suggested extension activities.

A ☺ ☽ ⊖ H 🌿 📖 S 📖 Earthwise at School, by Linda Lowery and Marybeth Lorbiecki, Carolrhoda Books, 1993, ISBN 0-87614-587-X. This picture book, illustrated with colored drawings and photos, tells kids how to act constructively upon their concerns for their environment. Group addresses, vignettes on real projects undertaken by kids and discussion on creating action plans.

A ☺ ☽ ♀ H 🌿 📖 S 📖 Elizabeth Blackwell: First Woman Doctor, by Carol Greene, Children's Press, Rookie Biography series, 1991, ISBN 0-516-04217-3. This "picture chapter book," illustrated with engravings, paintings and historical photos, tells about the first American woman doctor and her efforts to improve hospital sanitation, provide healthcare to low-income women and children and help other women to become doctors and nurses. Chronology.

A ☽ ⊖ ☀ H ? 📖 S 📖 Energy, by Jane Featherstone, Steck-Vaughn, Ecology Alert! series, 1999, ISBN 0-8172-5374-2. This "intermediate picture book" discusses energy uses and environmental impacts, and describes renewable energies, such as solar, wind and geothermal power. Case studies, activities, glossary and bibliography.

⊖ ☀ H S Energy Resources: Towards a Renewable Future, by DJ Herda and Margaret Madden, Franklin Watts, Science/Technology/Society series, 1991, ISBN 0-531-11005-2. This chapter book for the advanced 5th-grade reader, illustrated with b&w photos, chronicles the story of natural resources exploited by humanity for energy and considers the prospect of renewable resources for the future. Glossary and bibliography.

A ☺ ☽ ⊖ 🌿 📖 S 📖 The Environment and Health, by Brian R. Ward, Franklin-Watts Life Guides series, 1989, ISBN 0-531-10644-6. This "picture chapter book" describes numerous environmental health threats, such as pollution and excessive sun exposure. Glossary and sources for more info.

Intermediate Annotated Bibliography

☉ ☀ ? ■ S Environmental Experiments about Renewable Energy, by Thomas Rybolt and Robert Mebane, Enslow Publishers, Science Experiments for Young People series, 1994, ISBN 0-89490-579-1. Each of this book's 16 experiments, on the basic and applied sciences of wind, solar and biomass energy, includes a) materials list, b) procedure, c) observations, d) discussion and e) other-things-to-try sections, and is illustrated in pen-and-ink drawings.

A ☺ ♀ ☉ ☀ ♀ H S ♠ Environmental Pioneers by Patricia Byrnes, Oliver Press, Profiles series, 1998, ISBN 1-881508-45-5 (library). This chapter book for advanced readers tells the stories of these following US environmental movement founders and leaders: Sierra Club founder John Muir (1838-1914), Pulitzer Prize winning cartoonist "Ding" Darling (1876-1962), Audubon Society reformer Rosalie Edge (1877-1962), National Wilderness Preservation System founder Aldo Leopold (1887-1948), wildlife protectors Olaus (1889-1963) and Margaret (1902-) Murie, Silent Spring author Rachel Carson (1907-1964), Friends of the Earth founder David Brower (1912-2000) and Earth Day founder Gaylord Nelson (1916-2005). Introductory environmental history, explanation of US public lands system, list of environmental organizations and bibliography.

☉ H ? 🌿 S ♠ Fighting Disease, by Ian Graham, Steck-Vaughn, Science Spotlight series, 1995, ISBN 0-8114-3844-9. This "intermediate picture book," heavily illustrated with color photos and drawings, discusses different types of algae and the use of algae as a food crop and possible alternative energy source. Glossary and bibliography.

☉ ☀ ? S ♠ The First Plants, by Theresa Greenway, Steck-Vaughn, Green World series, 1990, ISBN 0-8114-2794-X. This "intermediate picture book," heavily illustrated with color photos and diagrams, discusses the causes and prevention of, and cures for, environmental (and other) diseases. History sidebars, glossary and bibliography.

A ☉ H ? ■ S ♠ Flush! Treating Wastewater, by Karen Mueller Coombs, 1995, Carolrhoda Books, ISBN 0-87614-879-8. This chapter book, illustrated with color photos, flows through the standard processes for treating wastewater in the industrialized world, while also discussing alternative, low-tech methods. (The processes used for wastewater treatment differ slightly in our region.) List of waste reduction and pollution prevention steps students can take, glossary and "Fun Flushing Facts."

Intermediate Annotated Bibliography

☉ ? ✍️ S ♠ Follow the Water from Brook to Ocean, by Arthur Dorros, HarperCollins Publishers, Let's-Read-and-Find-Out Science Book series, 1991, ISBN 0-06-021599-2. This picture book, illustrated in pen, ink and watercolors, explains how water flows from brooks, to streams, to rivers, over waterfalls, through canyons and dams to eventually reach the ocean.

☉ ? ■ S Food Chains, by Theresa Greenway, Steck-Vaughn, Cycles in Nature series, 2001, ISBN 0-7398-2730-8. This picture book, heavily illustrated with color photos and diagrams, explains how energy is transferred from plants to animals. Glossary, bibliography, related web site list and interesting activities.

☉ ☀️ ? ✍️ S Forest, by David Burnie, DK Publishing, Family Learning series, 1998, ISBN 0-7894-3492-X. This “intermediate picture book,” heavily illustrated in color photos and diagrams, presents the forest and details its inhabitants and their interactions.

☉ ? 🌳 ✍️ S Forests, by Julie Nelson, Steck-Vaughn, Biomes series, 2001, ISBN 0-7398-3561-0. This beginner book, illustrated with color photos, explains the forest biome and its plant, animal and human inhabitants. Glossary, web site list and useful addresses.

☉ ☀️ H ? ■ 🌳 S ♠ Fossil Fuels, by Ian Graham, Steck-Vaughn, Energy Forever? series, 1999, ISBN 0-8172-5365-3. This “intermediate picture book,” illustrated with color photos and diagrams, discusses the history, means of harnessing, uses and future of fossil fuels. Uses standard and metric units. Case studies, glossary and bibliography.

A ☉ ☀️ ? ■ 🌳 S ♠ Fuels for the Future, by Steve Parker, Steck-Vaughn, Protecting Our Planet series, 1998, ISBN 0-8172-4934-6. While pointing out that conservation could preclude a significant portion of the problem, this chapter book, heavily illustrated with color photos, maps, charts and diagrams, discusses the availabilities, uses and future prospects of various fossil and alternative fuels. Glossary, bibliography, web sites and list of organizations to contact for more info.

Intermediate Annotated Bibliography

A ☺ 🌿 ⊖ H ♠ Gaylord Nelson: A Day for the Earth, by Jeffrey Shulman and Teresa Rogers, Twenty-First Century Books, Earth Keepers series, 1992, ISBN 0-941477-40-1. This chapter book, illustrated in pencil, tells the story of the governor and US Senator from Wisconsin. He proposed the first Earth Day (22 April 70), when students from 400+ colleges and 10,000+ schools worked together to conduct teach-ins and environmental protection projects. Glossary.

A ☺ 🌿 ⊖ H ? 🌿 S George Washington Carver, by Suzanne M Coil, Franklin Watts, A First Book series, 1990, ISBN 0-531-10864-3. This “picture chapter book,” illustrated with photos and a painting, tells the story of the Tuskegee Institute scientist-inventor, who told his students, “Young people, I want to beg of you, always keep your eyes and ears open to what Mother Nature has to teach you. By so doing you will learn many valuable things every day of your life.” Activities, experiments, and bibliography.

A ☺ 🌿 ⊖ H ? 🌿 ✍ S George Washington Carver: Scientist and Teacher, by Carol Greene, Children’s Press, Rookie Biography series, 1992, ISBN 0-516-04250-5. This “picture chapter book,” illustrated with historical photos, tells about the orphan that overcame racism to become a great Tuskegee Institute professor, scientist-inventor and leader, whose efforts improved lives across the South and beyond. Chronology.

A ☺ 🌿 ⊖ H ? 🌿 S George Washington Carver: Nature’s Trailblazer, by Teresa Rogers, Twenty-First Century Books, Earth Keepers series, 1992, ISBN 0-8050-2115-9. This chapter book, illustrated in pencil, tells how this orphan overcame adversity and racism to become a great scientist who developed 300+ useful products from peanuts and sweet potatoes. This version goes beyond the usual personal and scientific accomplishments to emphasize his love of drawing and his promotion of self-sufficiency, organic farming methods and cooperative problem solving. Includes lists of his products and educational bulletins, chronology and glossary.

⊖ ☀ H ? 🗑 🌿 S ♠ Geothermal and Bio-Energy, by Ian Graham, Steck-Vaughn, Energy Forever? series, 1999, ISBN 0-8172-5367-X. This “intermediate picture book” examines two increasingly tapped renewable energies, including their history, advantages, disadvantages and futures. To avoid confusion, note that this book uses the British distinction between (wet) “garbage” and (other) “trash.” Also, it says recyclable materials are removed from trash before incineration as “refuse derived fuel,” which is not the case in the US. Uses standard and metric units. Glossary and bibliography.

Intermediate Annotated Bibliography

A ? ✍ S Germs Make Me Sick, by Melvin Berger, HarperCollins Publisher, 1995, ISBN 0-06-445154-2. This picture book, illustrated in pen-and-ink and watercolors, explains the basics of germ theory and how children can protect themselves.

🦋 ⊖ ✍ S The Gift of the Tree, by Alvin Tessault, Lothrop, Lee & Shephard Books, 1992, ISBN 0-688-10684-6. This book, illustrated with tempera paintings, tells the life cycle story of an Oak tree and its role in its ecosystem, including providing shelter to various animals.

A ☺ ⊖ ♀ H S ♦ Girls Who Looked Under Rocks: The Lives of Six Pioneering Naturalists, by Jeannine Atkins, Dawn Publications, 2000, ISBN 1-58469-011-9. This chapter book, illustrated in charcoals, tells the stories of the following six women who excelled at both science and writing: Maria Sybilla Merian (1647-1717), Anna Botsford Comstock (1854-1930), Frances Hamerstrom (1907-1998), Rachel Carson (1907-1964), Miriam Rothchild (1908-) and Jane Goodall (1934-). Each woman is portrayed as a fun-loving, whole person that ignored the sexist limitations of their days.

A 🦋 ⊖ ☀ H ? ■ 🌿 S Global Warming: The Threat of Earth's Changing Climate, by Laurence Pringle, SeaStar Books, 2001, ISBN 1-58717-009-4. This "intermediate picture book," illustrated with photos and diagrams, explains the causes of global climate change, how it threatens people around the world and what we can do to reduce its risks. Glossary and bibliography.

⊖ ? 🌿 ✍ S Grasslands, by Duncan Scheff, Steck-Vaughn, Biomes series, 2001, ISBN 0-7398-3562-9. This beginner book, illustrated with color photos, explains the grassland biome (covering much of Western KY) and its plant, animal and human inhabitants. Glossary, web site list and useful addresses.

☺ ⊖ H ✍ S ♦ Henry David Thoreau, by Elizabeth Ring, Millbrook Press, In Step with Nature series, 1993, ISBN 0-395-66812-3. This one-long chapter book, illustrated with historical and contemporary photos, introduces the life, thinking and work of this New England philosopher and writer. Chronology and bibliography.

A ☺ ⊖ H ♦ Henry David Thoreau: A Neighbor to Nature, by Catherine Reef, Twenty-First Century Books, Earth Keepers series, 1992, ISBN 0-941477-39-8. This chapter book, illustrated in pencil, describes the life of this Transcendentalist whose writings have influenced and inspired others to value the natural world. His civil disobedience in protest of slavery is also discussed. Glossary.

Intermediate Annotated Bibliography

☉ ☀ H ■ 🌿 S High-Speed Trains, by Christopher Chant, Chelsea House, The World's Railroads series, 2000, ISBN 0-7910-5565-5. This one-long-chapter book for the better reader, heavily illustrated with color photos, discusses the development of high-speed, long-distance passenger trains.

A 🌿 ☉ ? ■ S ♠ I Can Save the Earth, by Anita Holmes, Julian Messner of Simon & Schuster, 1993, ISBN 0-671-74545-X. This chapter book, illustrated in two-color drawings, presents various ways by which kids can protect the environment. Additional features include interesting facts, simple experiments and chapter on kid power. Glossary and bibliography.

A ☺ 🌿 ☉ ☀ H 🌿 S ♠ The Indian Way: Learning to Communicate with Mother Earth, by Gary Mclain, John Muir Publications, 1990, ISBN 0-945465-73-4. This collection of a Northern Arapahoe medicine man's stories, as retold and illustrated by his grandson, describes how Native Americans viewed the environment, lived upon it in harmony and with respect and how we today can learn from and practice Indian ways. Activities and bibliography.

☉ ♀ H ? 🌿 S ♠ Industrial Revolution, by John D Clare, Living History Series, Gulliver Books, 1994, ISBN 0-15-200514-5. This "intermediate picture book," full of historical photos, etchings and photos of re-enacted scenes, describes the dramatic technological, industrial and social changes, including environmental history and public health impacts, brought about by the Industrial Revolution in Europe and the US.

A ☺ 🌿 ☉ ☀ H ? S ♠ Jacques Cousteau: Champion of the Sea, by Catherine Reef, Twenty-First Century Books, Earth Keepers series, 1992, ISBN 0-8050-2114-0. This chapter book, illustrated in pencil, examines the pioneering ocean-ographer's explorations of the seas, and his efforts to teach the world to appreciate and protect them, through his book and TV series. Glossary.

A ☺ 🌿 ☉ ♀ ? 🌿 S ♠ Jane Goodall: Living with the Chimps, by Julie Fromer, Twenty-First Century Books, Earth Keepers series, 1992, ISBN 0-8050-2126-7. This chapter book, illustrated in pencil, tells about the girl who "just wanted to be outdoors, watching and learning," who at 24 moved to Africa in 1960 and has been living among, studying, writing about and protecting Chimpanzees ever since. Glossary.

Intermediate Annotated Bibliography

A ☺ 🦋 ⊖ H ✍️ John Chapman: The Man Who Was Johnny Appleseed, by Carol Greene, Children's Press, Rookie Biography series, 1991, ISBN 0-516-04223-8. This "picture chapter book," illustrated with photos, paintings and engravings, tells about the vegetarian whose distribution of apple seeds and trees across America made him a legend. Chronology of important events.

☺ H John James Audubon: Wildlife Painter, by Peter Anderson, Franklin Watts, 1995, ISBN 0-531-20202-X. This chapter book, illustrated with Audubon's paintings, portraits and historical photos, tells the story of the 19th-Century ornithologist and artist, famous for his accurate paintings of birds and animals in their native habitats, including his extensive time in Louisville and Henderson, KY. Bibliography.

A ☺ ⊖ H ✍️ John Muir: Man of the Wild Places, by Carol Greene, Children's Press, Rookie Biography series, 1991, ISBN 0-516-04220-3. This "picture chapter book," illustrated with photos and engravings, tells about the naturalist that promoted wilderness preservation and started the Sierra Club. Chronology of important events.

A ☺ 🦋 H 🌿 ✍️ Johnny Appleseed, by Gini Holland, 1997, Steck-Vaughn, First Biographies series, ISBN 0-8172-4452-2 (library), 0-8172-6888-X (soft). This picture book, illustrated in watercolors, tells about the barefoot vegetarian who planted apple trees throughout the Midwest. Chronology.

⊖ ☀️ ? ■ S ♠ Keeping the Air Clean, by Rosa Costa-Pau, Chelsea House Publishers, Junior Library of Ecology series, 1994, ISBN 0-7910-2103-3. This "intermediate picture book," illustrated with color paintings, explains the earth's atmosphere, solar radiation and energy and air pollution, including the greenhouse effect, acid rain and ozone layer destruction. Very informative, but lacks a counter-balancing call for reader action. Instructions for three simple experiments, and glossary.

A 🦋 ⊖ ♀ ? ■ 🌿 S ♠ Keeping Water Clean, by Ewan McLeish, Steck-Vaughn, Protecting Our Planet series, 1998, ISBN 0-8172-4935-4. This "intermediate picture book," heavily illustrated with photos and diagrams, discusses the importance of water to life, the threats to its cleanliness and availability to a growing world population and efforts to address those threats. Glossary, organizational contact info and bibliography.

Intermediate Annotated Bibliography

A ☺ ♀ H S The Life of Elizabeth Blackwell, by Elizabeth Schleichert, Twenty-First Century Books, Pioneers in Health and Medicine series, 1992, ISBN 0-941477-66-5. This chapter book, illustrated in pencil, tells the story of the first American woman doctor, and her efforts to provide healthcare and hygiene to the poor, and medical education to other women. Bibliography.

A ☹ ✎ The Lorax, by Dr Suess, Random House, 1971, ISBN 74-158378. This classic picture book tells the tale of the Lorax, who attempted to speak for the Truffala trees, as they were nearly wiped out by logging. This book promotes tempered consumerism as well as resource conservation.

☺ ☹ H ? 🦠 S 💧 Louis Pasteur, by Nina Morgan, Bookwright Press, Pioneers of Science series, 1991, ISBN 0-531-18459-5. This chapter book, heavily illustrated with etchings and historical and contemporary photos, discusses the life and work of the French scientist, professor and founder of microbiology and immunology, who lost two daughters to cholera. After proving that microbes could be transferred to people from contaminated water, food and air, he developed the process of pasteurization and the first vaccines (for anthrax, rabies and diphtheria). Chronology, bibliography and glossary.

☺ ♀ H The Lowell Mill Girls: Life in the Factory, edited by JoAnne Weisman, Discover Enterprises, Perspectives on History Series, 1991, ISBN 1-878668-06-04. This collection of short stories, illustrated with pen-and-ink sketches, presents life early in the Industrial Revolution from the perspective of New England's mill girls.

A ☹ ♀ ? 📖 ✎ S 💧 The Magic School Bus at the Waterworks, by Joan Cole, Scholastic, 1986, ISBN 0-590-43739-9. This picture book, illustrated with colorful drawings, tells the story of another of Ms Frizzle's field trips, wherein each class member experiences the water purification system from the inside.

☺ ♀ H ✎ 💧 The Man Who Made Parks: The Story of Parkbuilder Frederick Law Olmsted, by Frieda Wishinsky, Tundra Books, 1999, ISBN 088776-435-5. This picture book, illustrated in pastels, tells the story of the man who built parks to provide respite for the Industrial Revolution's slum-dwelling hordes, and became the father of American landscape architecture. (Olmsted designed Louisville's major parks, their connecting parkways, several smaller parks and a few subdivisions.)

Intermediate Annotated Bibliography

A ☺ ♀ ⊖ ♀ H ♠ Marjory Stoneman Douglas: Voice of the Everglades, by Jennifer Bryant, Twenty-First Century Books, Earth Keepers series, 1992, ISBN 0-8050-2113-2. This chapter book, illustrated in pencil, traces the life of a lonely, chubby girl from a broken home who became known as the “Grandmother of the Glades,” for her writing, public speaking and leadership in the fight to protect Florida’s Everglades against abuse and development. Glossary.

☺ ⊖ ♀ H ? 🦋 S ♠ Medicine News: The Germ of an Idea, by Philip Gates, Candlewick Press, History News series, 1997, ISBN 0-7636-0986-2. Using a heavily illustrated, spoof newspaper format, this book chronicles medical history with emphasis on individual efforts to discover solutions to problems. Timeline and index.

☼ ? S ♠ Microlife, by David Burnie, DK Publishing, Inside Guides series, 1997, ISBN 0-7894-2036-8. This “intermediate picture book,” illustrated in color photos and diagrams, details the organisms that we cannot see without a microscope. Glossary.

☼ H ? S ♠ Mill, by David Macaulay, Houghton Mifflin, 1983, ISBN 0-395-34830-7. This book, written and illustrated in Macaulay’s classic pen-and-ink style, explains the history and mechanics of water power. Glossary.

♀ ⊖ 🦋 🖋️ S ♠ Mississippi, by Diane Siebert, Harpers-Collins, 2001, ISBN 0-688-16445-5. This picture book tells the environmental history of the mighty river, and describes our contemporary relationship with it. River facts, glossary.

♀ ⊖ 🦋 Native Plant Stories, by Joseph Bruchac, Fulcrum Publishing, 1995, ISBN 1-55591-212-5. This book, illustrated in line drawings, is a collection of 18 traditional Native American stories about plants. These tales reflect pantheistic religions, and may be objectionable to some parents. Glossary, pronunciation guide and descriptions of tribal nations.

⊖ ☼ H ? 📖 🦋 S ♠ Nuclear Power, by Ian Graham, Steck-Vaughn, Energy Forever? series, 1999, ISBN 0-8172-5363-2. This “intermediate picture book,” discusses how nuclear power is generated, the history of its use and its potential benefits. It glosses over the poor economics and impending long-term storage crisis; it also claims nuclear power plants don’t pollute the air, overlooking the high-sulfur coal burned to power fuel-enrichment plants, such as the Paducah (KY) Gaseous Diffusion Plant. Uses standard and metric units. Case studies, glossary and bibliography.

Intermediate Annotated Bibliography

☉ ☀ ? ■ ✍ S Oak Tree, by Gordon Morrison, Houghton Mifflin, 2000, ISBN 0-395-95644-7. This picture book, illustrated in watercolors, describes the impact of the changing seasons on an old oak tree and other organisms in its ecosystem.

☉ ? ✍ The Other Way to Listen, by Byrd Baylor and Peter Parnall, Aladdin, 1997, ISBN 0-684-16017-X. The picture book, illustrated with pen and ink drawings, encourages children to hear what it purports that nature tells us.

A ☉ ☉ H S Parks for the People: A Story about Frederick Law Olmsted, by Julie Dunlap, Carolrhoda Books, Creative Minds series, 1994, ISBN 0-87614-824-0. This chapter book, illustrated in pencil, tells the story of the father of American landscape architecture. (Olmsted designed Louisville's major parks, their connecting parkways, several smaller parks and a few subdivisions.) Park list and bibliography.

☉ ? S Partners for Life: The Mysteries of Animal Symbiosis, by Margery Facklam, 1989, Sierra Club Books, ISBN 0-316-25983-7. This chapter book, illustrated in pencil, examines partnerships between species, which provide one or both partners with food, protection, transportation or hygiene.

☉ ? S Partners, Guests, and Parasites: Coexistence in Nature, by Hilda Simon, Viking Press, 1970, ISBN 670-54086-2. This chapter book for stronger readers, illustrated by the author in colored pencils, describes several types of symbiotic relationships in nature.

☉ ☀ H 🌳 S Passenger Trains, by Christopher Chant, Chelsea House, The World's Railroads series, 2000, ISBN 0-7910-5561-2. This one-long-chapter book for the better reader, heavily illustrated with color photos, discusses the history and development of passenger trains over the 19th and 20th centuries.

A 🌿 ☉ ♀ 🌳 ✍ The People Who Hugged the Trees, by Deborah Lee Rose, Roberts Rinehart Publishers, 1990, ISBN 0-911797-80-7 (hard), 1-879373-50-5 (soft). This picture book, illustrated in watercolors, tells the Rajasthani folk tale about an Indian woman who led her village's nonviolent challenge of the Maharajah's order to ax the trees that protected them from sun and wind.

Intermediate Annotated Bibliography

☺ ☘ ☀ H Pioneer Plowmaker: A Story about John Deere, David Collins, Carolrhoda Books, Creative Minds series, 1990, ISBN 0-87614-424-5. This chapter book, illustrated in pencil, demonstrates how John Deere repeatedly overcame his lack of money to capitalize his blacksmith businesses through cooperation. His use of water power is also discussed. Bibliography.

☹ ☀ ? S The Plant Cycle, by Nina Morgan, Thomason Learning, Natural Cycles series, 1993, ISBN 1-56847-091-6. This “beginner chapter book,” illustrated with color photos and diagrams, describes plant life, including germination, decomposition, communities and succession. Experiments, glossary and bibliography.

☹ ? S The Plant Kingdom, by Theresa Greenway, Steck-Vaughn, Classification series, 2000, ISBN 0-8172-5886-8. This “intermediate picture book,” heavily illustrated with photos and diagrams, explains what life forms make up the plant kingdom, their common characteristics and how they are unique. Glossary, organizational contact info and bibliography.

A ☹ ☀ ? S ♠ Plant Life, by Theresa Greenway, Steck-Vaughn, Cycles in Nature series, 2001, ISBN 0-7398-2729-4. This “intermediate picture book,” illustrated with color photos, drawings and diagrams, explains the growth and reproduction of plants, how dead plant matter is recycled and how human actions affect plant life. Experiments, glossary, bibliography and web sites.

☹ ☀ ? S Plant Partnerships, by Joyce Pope, Facts on File, Plant Life series, 1990, ISBN 0-8160-2422-7. This chapter book, heavily illustrated with drawings, diagrams and photos, surveys plants that depend on animals or other plants for their habitat or survival. Glossary and bibliography.

A ☺ ☘ ☹ H 🎵 S A Pocket Full of Goobers: A Story about George Washington Carver, by Barbara Mitchell, Carolrhoda Books, Creative Minds series, 1986, ISBN 0-87614-292-7 (library), 0-87614-474-1 (soft). This chapter book, illustrated in pencil, tells how this orphaned child of slaves overcame racism to become a great scientist that found ways to make 300+ useful products from peanuts (or “goobers”). The role of music in his life and his advocacy of composting are also discussed.

Intermediate Annotated Bibliography

⊖ ? ■ ✍ S ♠ Pond, by Donald Silver, Learning Triangle Press, One Small Square series, 1994, ISBN 0-07-057932-6. This picture book, aimed at 6-9-year-olds, illustrated in mixed media, introduces the micro- and macroscopic plants and animals that inhabit ponds. Experiments, safety tips, field guide, glossary-index, bibliography and materials list.

⊖ ? S ♠ Pond & River, by Steve Parker, DK Publishing, Eyewitness series, 1988, ISBN 0-394-99615-1. This “intermediate picture book” depicts the living conditions and survival mechanisms of plants and animals dwelling near, on and under freshwater. (Most of its British species are seen in the US Midwest, and often have the same common names.) Short section on naturalist study methods and tools.

? ✍ S ♠ Pond Life, by Barbara Taylor, DK Publishing, Inc, Look Closer series, 1992, ISBN 1-879431-94-7. This picture book, illustrated with vivid color photos, examines the variety of life found in ponds, including dragonflies, newts and frogs.

A ♀ ⊖ ☀ ? S ♠ Protecting Our Rivers and Lakes, by Rosa Costa-Pau, Chelsea House Publishers, Junior Library of Ecology series, 1994, ISBN 0-7910-2105-X. This “intermediate picture book,” illustrated in color paintings, explains the water cycle, river ecosystems, hydroelectric power, water pollution and sewage treatment. Instructions for three simple experiments, and glossary.

A ☺ ⊖ ♀ H ? ✍ S ♠ Rachel Carson: Caring for the Earth, by Elizabeth Ring, Millbrook Press, 1992, ISBN 1-56294-056-2. This one-long-chapter book, heavily illustrated with photos, tells how this writer-scientist’s childhood interest in writing and nature led to her life’s work. Historians credit her book *Silent Spring* with birthing the modern environmental movement. Chronology and bibliography.

A ☺ ⊖ ♀ H S ♠ Rachel Carson: the Environmental Movement, by John Hendricksson, Millbrook Press, 1991, ISBN 1-878841-16-5. This chapter book for advanced readers, illustrated with historical photos, focuses on the events that led the biologist-writer to expose pesticide pollution in her book, *Silent Spring*, and her legacy as a founder of the modern environmental movement. Chronology and suggested reading.

Intermediate Annotated Bibliography

A ☺ ⊖ ♀ H ✍ S Rachel Carson: a Friend of Nature, by Carol Greene, Children's Press, Rookie Biography series, 1992, ISBN 0-516-04229-7. This "picture chapter book," heavily illustrated with photos, tells the story of the writer-scientist credited with spawning the modern environmental movement. Chronology.

A ☺ ✎ ⊖ ♀ H ? S ♠ Rachel Carson: Voice for the Earth by Ginger Wadsworth, Lerner Publications, 1992, ISBN 0-8225-4907-7. This chapter book for advanced readers, illustrated with historical photos and pen-and-ink sketches, describes the life and work of the biologist-writer who helped initiate the modern environmental movement. List of organizations and bibliography.

A ☺ ✎ ⊖ ♀ H ? S ♠ Rachel Carson: The Wonder of Nature, by Catherine Reef, Twenty-First Century Books, Earth Keepers series, 1992, ISBN 0-941477-38-X. This chapter book, illustrated in pencil, tells the story of the writer-scientist whose book, *Silent Spring*, led to the modern American environmental movement. In *The Sense of Wonder*, she advised parents to help their children to learn to enjoy nature, i.e., to develop kinships with nature, rather than merely memorize its science. Glossary.

A ☺ ✎ ⊖ ☀ ♀ H ? ■ 🌿 🎵 ✍ S ♠ Rain of Troubles: The Science and Politics of Acid Rain, by Laurence Pringle, Atheneum, 1988, ISBN 978-0027753707. This chapter book, illustrated with color photos, discusses the formation and impacts of acid rain on plants, animals and human politics.

⊖ ☀ H 🌿 S Rapid Transit Systems and the Decline of Steam, by Christopher Chant, Chelsea House, The World's Railroads series, 2000, ISBN 0-7910-5564-7. This one-long-chapter book for the better reader, heavily illustrated with color photos, discusses the transition from 19th century steam trains to modern intra- and inter-urban rail.

A ⊖ ☀ ? ■ 🌿 S ♠ Renewable Energy, by Alan Collinson, Steck-Vaughn, Facing the Future series, 1991, ISBN 0-8114-2802-8. This chapter book, heavily illustrated with color photos, discusses existing renewable energy resources suitable for expanded use in the future, such as solar power, wind farms, energy of moving water, recycling and conservation. Student activities, glossary and bibliography.

A ✎ ⊖ ☀ ♀ ? 🌿 S ♠ Rescue Mission, Planet Earth: A Children's Edition of Agenda 21, by Children of the World, Peace Child Charitable Trust, 1994,

Intermediate Annotated Bibliography

ISBN 1-85697-175-p (soft), 1-85697-174-0 (hard). This heavily illustrated book explains the challenges to sustainability facing the world and tells kids how they can act to counter them. Parent and educator guide, projects and glossary.

A ☺ 🦋 ⊖ H 🌿 🖋️ 💧 A River Run Wild, by Lynne Cherry, Gulliver Green Book, Harcourt Brace & Co, 1992, ISBN 0-15-200542-0. This picture book, illustrated by the author in pen-and-ink and watercolors, tells the environmental history of New England's Nashua River, from the pre-colonial days of the (Native American) Nashua to European colonization to the Industrial Revolution to the successful cooperative efforts of a Nashua chief's grandson and other concerned citizens to restore the river to health. NCSS-CBC Notable Children's Trade Book in the Field of Social Studies, American Bookseller Pick of the Lists book and Reading Rainbow review book.

⊖ ☀️ H ? 🖋️ S 💧 Rivers, by Andres Llamas Ruiz, Sterling Publishing, Sequences of Earth and Space series, 1996, ISBN 0-8069-9310-3. This "picture chapter book," illustrated with colorful paintings and diagrams, describes the creation, types, stages and effects of rivers, including groundwater. Glossary.

A 🦋 ⊖ ☀️ H ? 📖 🌿 S 💧 Rivers, by Shelagh Whiting, Steck-Vaughn, Ecology Alert! series, 1999, ISBN 0-8172-5375-0. This "intermediate picture book" describes the origin, animals and plants and behavior of rivers, plus the resources they provide, how they are endangered and protected. Case studies, activities, glossary and bibliography.

⊖ H 📖 🌿 S 💧 Rivers and Lakes, by Rose Pipes, Steck-Vaughn, World Habitats series, 1998, ISBN 0-8172-5002-6. This "beginner chapter book," illustrated with color photos, introduces some famous rivers and lakes around the world, and their roles in peoples' lives. Glossary.

A ☺ ⊖ H Rough Riding Reformer: Theodore Roosevelt, by Gary L Blackwood, Benchmark Books, 1998, ISBN 0-7614-0520-8. This beginner chapter book, illustrated with historical photos, portrait paintings and political cartoons, presents the story of the asthmatic US president, including his love of nature and commitment to reform. Glossary and sources for more info.

Intermediate Annotated Bibliography

⊖ H ? S ♦ The Sand County Almanac, by Aldo Leopold, Oxford University Press, 1949, ISBN 0-19505-305-2 (hard) and 0-19505-928-X (soft). This chapter book offers a month-by-month account of the people, plants and animals interacting on his Wisconsin acreage. February's historical interpretation of a fallen tree's rings is especially intriguing. Also, available on audiotape, Highbridge, ISBN 1-56511-381-0.

A 🦋 ⊖ ✍️ Saving the Old Apple Tree, by Manuela Leporesi, Time Life Asia, A Child's First Library of Values series, 1997, ISBN 0-7835-1312-7. This picture book, illustrated in watercolors, tells how French villagers handled the threat of losing a revered tree to an incoming railroad, while modeling an appreciation of nature, working together, respecting tradition, being open-minded and caring for the environment.

☀️ ? S ♦ Science Project Book of Water, by Steve Parker, Marshall Cavendish, Library of Science Projects series, 1993, ISBN 0-86307-627-0. This book, heavily-illustrated with color drawings and photos, provides experiments and projects involving the nature and properties of water. Safety tips and glossary.

A ⊖ H ? ✍️ S The Science of Soil, by Jonathan Bocknek, Weigl Educational Publishers, 1999, ISBN 0-8368-2468-7. This "intermediate picture book," illustrated in color photos, discusses the sources, ingredients, types and nutrients of soil and the life forms it supports. "Puzzler" inquiries, activities, action steps, glossary and web sites.

☀️ ? S Science Magic with Water, by Chris Oxlade, Aladdin Books, 1993, ISBN 0-8120-6448-8. This Reading Rainbow Book, heavily illustrated with color photos and diagrams, teaches the properties of water through magic tricks. Glossary.

⊖ ☀️ H ? 🏠 🌳 S ♦ Solar Power, by Ian Graham, Steck-Vaughn, Energy Forever? series, 1999, ISBN 0-8172-5362-9. This "intermediate picture book" examines solar energy's history, uses, advantages and disadvantages, plus recent solar technological developments. Uses standard and metric units. Case studies, glossary and bibliography.

Intermediate Annotated Bibliography

☀ ? S ♦ Squirts and Spurts: Science Fun With Water, by Vicki Cobb, Millbrook Press, 2000, ISBN 0-7613-1572-1. This science book, heavily illustrated with color drawings and a sense of humor, explains the physics of water pressure that makes faucets, spray bottles, water pistols and wastewater systems work. Experiments.

A ♀ ⊖ ☀ ? ■ S ♦ The Student Environmental Action Guide: 25 Simple Things We Can Do, by Javnarama, The EarthWorks Group, 1991, ISBN 1-879-682-04-4. This something-for-everyone book is for college students, yet useful to younger students, has a section for each of 25 actions for protecting the environment, in this format: motivational “Did You Know” info, realistic “What You Can Do” ideas, example “Campus Success Story” and “Resources.” Organization list.

⊖ ? S ♦ Super Science Projects About Animals in Their Habitats, by Allan Cobb, Rosen Publishing, Psyched for Science series, 2000, ISBN 0-8239-3175-7. Illustrated with photos, one of this book’s step-by-step experiments tells how to set up an ecologically balanced aquarium. Glossary, resource list, bibliography and metric conversion table.

♀ ✍ Terrible Things, by Eve Bunting, Harper & Row, 1980, ISBN 0-06-020903-8. This picture book, illustrated in pencil, tells the story of how a bunny learns the importance of all the animals working together to protect themselves.

A ☺ ⊖ H ♦ Theodore Roosevelt, Conservation President, by Susan DeStefano, Twenty-First Century Books, Earth Keepers series, 1993, ISBN 0-8050-2122-1. Without the typical glorification of his war efforts, this chapter book, illustrated in pencil, emphasizes asthmatic 26th US president’s interest in nature and conservation. Readers learn, for example, that he camped outdoors with John Muir, discussed the importance of conservation in each of his annual addresses and established 5 national parks, 150 million acres of forest reserves, 51 wildlife refuges and 18 national monuments. Glossary.

A ☺ ♀ ⊖ H ? S Of Things Natural, Wild and Free: A Story about Aldo Leopold, by Marybeth Lorbiecki, Carolrhoda Books, Creative Minds series, 1993, ISBN 0-87614-797-X. This chapter book, illustrated in pencil, tells the story of the father of the national wilderness system, a pioneer in the management and restoration of farms, forests and wildlife and author of The Sand County Almanac. Bibliography.

Intermediate Annotated Bibliography

☺ ☀ H ? 🎵 S Thomas Edison, by Nina Morgan, Bookwright Press, Pioneers of Science series, 1991, ISBN 0-531-18406-4. This chapter book, heavily illustrated with historical photos and engravings, describes the life and work of the deaf man whose inventions included the phonograph, electric light and alkaline storage battery. Chronology, bibliography and glossary.

☹ ☀ H ? 📖 ✍ S Transportation, by Ian Graham, Steck-Vaughn, Facing the Future series, 1993, ISBN 0-8114-2807-9. This chapter book, illustrated with color photos and diagrams, discusses means of transportation being developed for the future, while also examining the related traffic, ecological and safety concerns. Glossary.

☹ ? ✍ S Tree, by David Burnie, DK Publishing, Eyewitness series, 1988, ISBN 0-394-89617-3. This team-illustrated picture book explores the anatomy and life cycle of trees, the commercial processing of trees and trees' role in their ecosystems.

☹ ? S Tree Almanac: A Year-Round Activity Guide, by Monica Russo, Sterling Publishing, 1993, ISBN 0-8069-1251-9. Integrating lots of student activities, this chapter book, illustrated with b&w photos and pen-and-ink drawings, introduces trees through the seasons. Species lists, with scientific names, and glossary with pronunciation guide.

☹ ? ✍ S Tree Life, by Theresa Greenaway, DK Publishing, Look Closer series, 1992, ISBN 0-7894-3477-6. This "intermediate picture book," heavily illustrated with color photos, describes various animals that live in or on trees, including the butterfly, woodpecker and tree frog. Glossary.

A 🦋 ☹ ☀ ? 📖 🌍 S 💧 Taking Care of the Earth: Kids in Action, by Laurence Pringle, Boyd Mills Press, 1996, ISBN 1-56397-326-X and 1-56397-634-X. This book, illustrated with pencil drawings, empowers students through concrete examples of real kids' efforts (including one from a KY school) to care for the earth through projects and day-to-day actions. More info list.

? S 💧 Underground, by David Macaulay, Houghton Mifflin, 1976, ISBN 0-396-24739-X. This book, written and illustrated in Macaulay's classic pen-and-ink style, explains the underground utilities that support our cities. Glossary.

Intermediate Annotated Bibliography

A ☉ ☀ H ? ■ 🌿 S Vanishing Ozone: Protecting Earth from Ultraviolet Radiation, by Laurence Pringle, Morrow Junior Books, Save-the-Earth Book series, 1995, ISBN 0-688-04157-4 and 0-688-04158-2. Well-illustrated with black-and-white photos, this book would be especially suitable for kids that enjoy science and/or philosophical questions. Also tells kids how to protect against harmful UV rays. Sources of more info, bibliography and glossary.

A ☉ H ? ■ ☺ 🎵 🖋 S 💧 Water, by Fiona Macdonald, Franklin Watts, 2000, ISBN 0-531-15427-0. This picture book integrates science experiments, music, fun facts, math puzzles, myths and legends, craft ideas and poetry around the theme of water. Glossary.

☀ H ? ■ 🖋 S 💧 Water, by John Satchwell, Gloucester Press, Energy Today series, 1985, ISBN 0531-03485. This “picture chapter book,” illustrated with photos and diagrams, explains how humans tap hydroelectric, tidal and geothermal power. Glossary.

A 🦋 ☉ ? ■ 🖋 S 💧 The Water Cycle, by Theresa Greenway, Raintree Steck-Vaughn, Cycles in Nature series, 2001, ISBN 0-7398-2728-6. This picture book, illustrated with color photos, drawings and diagrams, explains how our planet’s water is used and reused through a series of natural phenomena and abused by humans. Glossary, bibliography and suggested web sites.

☉ ☀ 🖋 S 💧 The Water Cycle, by David Smith, Thomson Learning, 1993, ISBN 1-56847-092-4. This “picture chapter book,” heavily illustrated with color photos and diagrams, covers the water cycle in nature and in municipal infrastructure. Student experiments, glossary and bibliography.

☀ ? 🖋 S 💧 Water Dance, by Thomas Locker, Harcourt Brace, 1997, ISBN 0-15-201284-2. This picture book, illustrated with beautiful oil paintings, explains the water cycle in the first person. Appendix with more detailed information. NSTA-CBC Outstanding Science Trade Book for Children.

☉ ☀ H ? ■ 🌿 S 💧 Water Power, by Ian Graham, Steck-Vaughn, Energy Forever? series, 1999, ISBN 0-8172-5363-7. This “intermediate picture book” examines historical uses of water as a source of energy, its advantages and disadvantages and new advances in harnessing water power. Uses standard and metric units. Glossary and bibliography.

Intermediate Annotated Bibliography

☉ ☀ H ? ♪ S ♠ Water Science, Water Fun: Great Things to Do with H₂O, by Noel Fiarotta and Phyllis Fiarotta, Sterling Publishing, 1996, ISBN 0-8069-42448-7. This book describes the role of water in human life over time, and demonstrates its properties through 60+ simple experiments, each with watercolor-and-ink illustrations. Safety tips.

☉ ? S ♠ Water: The Way It Works, by Philip Sauvain, New Discovery Books, 1992, ISBN 0-02-781078-X. This book, full of color photos and drawings, details the properties and everyday uses of water. Glossary.

A ♀ ☉ ? S ♠ Water Up, Water Down: The Hydrologic Cycle, by Sally M Walker, Carolrhoda Books, 1992, ISBN 0-87614-695-7. This “intermediate picture book,” fully illustrated with color photos and diagrams, discusses the water cycle and its importance to life on Earth, in quantified terms. Glossary.

A ♀ ☉ ✍ S ♠ Water, Water Everywhere, by Mark Rauzon and Cynthia Overbeck Bix, Sierra Club Books for Children, 1994, ISBN 0-87156-598-6. This picture book, illustrated with color photos, describes the forms water takes, how it shapes the Earth and its importance to life.

A ♀ ☉ ☀ H S ♠ Watersheds: A Practical Handbook for Healthy Water, by Gregor Gilpin Beck, Firefly Books, 1999, ISBN 1-55209-330-1. This chapter book for the advanced reader, heavily illustrated in watercolor, examines a range of environmental issues via watershed ecology. Bibliography, glossary and appendices on animal kingdoms, basic ecological principles and common aquatic invertebrates.

☉ ? ✍ S Why Do Animals Do That?, by Bobbie Kalman and Greg Nickles, Crabtree Publishing, 1997, ISBN 0-86505-636-6 (library) and 0-86505-736-2 (soft). This color photograph book answers over a dozen commonly asked about animal behavior, e.g., why do animals depend on each other? Glossary.

☉ ☀ H ? 🌍 ✍ S ♠ Wind Power, by Mike Cross, Goucester Press, Energy Today series, 1985, ISBN 0531-170071. This “picture chapter book,” illustrated with photos and diagrams, clearly explains how humans tap wind power. Glossary.

Intermediate Annotated Bibliography

☉ ☀ H ? 🌿 S Wind Power, by Ian Graham, Steck-Vaughn, Energy Forever? series, 1999, ISBN 0-8172-5364-5. This “intermediate picture book” examines traditional and developing ways of using wind as a source of energy. Uses standard and metric units. Glossary and bibliography.

☺ 🕊 ☀ H ? 🎵 S The Wizard of Sound: A Story about Thomas Edison by Barbara Mitchell, Carolrhoda Books, Creative Minds series, 1991, ISBN 0-87614-445-8. This chapter book, illustrated in pencil, describes the life and contributions of the deaf man whose inventions included the phonograph, electric light, alkaline storage battery and electric train. Major inventions list and bibliography.

☉ ? 📖 🖋 S 💧 Woods, by Donald Silver, Learning Triangle Press, One Small Square series, 1995, ISBN 0-07-057932-4. This picture book, aimed at 6-9-year-olds, illustrated in mixed media, introduces woodland inhabitants, plant and animal. Experiments, safety tips, field guide, glossary-index, bibliography and materials list.

A 🕊 ☉ ☀ ? 🌿 S 💧 You Are the Earth: From Dinosaur Breath to Pizza from Dirt, by David Suzuki, Greystone Books, 1999, ISBN 1-55054-751-8. This chapter book, heavily illustrated with color photos and drawings, first teaches kids about the earth’s air, water, land and energy and then encourages them to take action to protect it. Folk tales, cross-cultural comparisons, glossary, questions and answers, activities and experiments.

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