



University of Washington Marine Biology Reading List

Compiled by Louise Richards & Natasha North, University of Washington Libraries

Dive in and discover books, websites, and magazines about the sea, fish, marine animals, water ecology, ocean exploration, and much more! The lists are especially for students K - 12 and their teachers and parents. Many of the items on this list might be found at your local library; check www.kcls.org. Have fun looking!

To help get you started on your search, the book lists are organized in alphabetical order by the author's last name. Each entry has the following information: author; title; publisher; year; what the book is about (for most but not all of the books); recommended grade levels (for most but not all of the books.) An apple symbol is included if the book or website is also particularly useful for teachers. Books are grouped into categories A—J to make it easier for you to find what you are looking for.

- A. Animals and Water Birds
- B. Boats and Sea Adventures
- C. Deep Sea Creatures
- D. Dolphins, Whales, and Porpoises
- E. Ecology and Environment
- F. Fish
- G. Great Barrier Reef
- H. Polar Regions
- I. Sharks and Rays
- J. World of Water
- K. Websites
- L. Magazines

A. Animals and Water Birds

Arnosky, Jim. All About Turtles

New York: Scholastic Press, 2000

Have you ever wondered why turtles have shells, how old they can live to be, or how freshwater and saltwater turtles are different? Learn all about turtles!

Grades 1 - 4.

Brown, Mary Barrett. Wings Along the Waterway

New York: Orchard Books, c1992

Discover the lives, homes, and problems facing 21 waterbirds.

Grades 2 - 5.

Coldrey, Jennifer. Penguins

London: André Deutsch, 1983


What do a Little Blue and an Emperor have in common? They're both penguins! See photographs and learn about the whole penguin family.

Grades K - 3.

Cerullo, Mary. *The Octopus: Phantom of the Sea*.

New York: Cobblehill Books, 1997


Although the octopus has been called a sea monster, this book reveals the intelligent and gentle side of these creatures. The underwater photographs capture amazing moments- like an octopus changing color- and can be appreciated by readers of all ages.:

 Grades 5 - 8

Cerullo, Mary. *Sea Soup: Zooplankton*.

Gardiner, Me.: Tilbury House ; Portland, Me.: Gulf of Maine Aquarium 2001

How can creatures small enough to fit through the eye of a needle make a submarine "disappear?" Find out as you explore the world of zooplankton from baby shrimp to nourishing krill to giant jellyfish. Vivid color photos and a useful bibliography will be appreciated by readers of all ages.

 Grades 5 - 8.

Coldrey, Jennifer. *The World of Crabs*.

Milwaukee: G. Stevens Pub., 1986

Discover where crabs live, why they leave their shells behind, and how they fit into the food chain. Lots of color pictures.

Grades 2 - 4.

Darling, Kathy. *Manatee*. "On Location" Series

New York: Lothrop, Lee & Shepard Books, c1991

Packed with fascinating information about Florida manatees and how human encounters have both helped and harmed these gentle creatures.

 Grades 4 - 6.

Darling, Kathy. *Walrus*. "On Location" Series.

New York: Lothrop, Lee & Shepard, 1991

Did you know that Pacific Walrus have singing sacks? Learn how they "sing" and much more about the lives and behaviors of these animals.

 Grades 4 -6.

Fleisher, Paul. *Life Cycles of a Dozen Diverse Creatures*.

Brookfield, Conn.: Millbrook Press, c1996

How are creatures like oysters, penguins, sea nettles, bullfrogs, seahorses, and salmon born and what are their lives like? Find out in this photograph-packed book.

Grades 3 - 6.

Gibbons, Gail. *Sea Turtles*.

New York: Holiday House, c1995

Learn about 8 different kinds of sea turtles: what they eat, where they nest, and how sea turtles are different than other turtles.

Grades 1 - 4.

Gotshall, Daniel W. and Laurence L. Laurent. Pacific Coast Subtidal Marine Invertebrates: A Fishwatcher's Guide.
 Los Osos, Calif.: Sea Challengers, 1979
 Color photos, descriptions, and diagrams to help identify the region's invertebrates, including anemones, sea urchins, and sponges.
 Grades 9 - adult.

Herriges, Ann. Crabs.
 Minneapolis, MN: Bellwether Media, 2007.

Herriges, Ann. Ocean's Alive: Manatees.
 Minneapolis, MN: Bellwether Media, 2007.

Herriges, Ann. Octopuses.
 Minneapolis, MN: Bellwether Media, 2007.

Herriges, Ann. Sea Turtles.
 Minneapolis, MN: Bellwether Media, 2007.

Jensen, Gregory C. Pacific Coast Crabs and Shrimps.
 Monterey, Calif.: Sea Challengers, 1995
 Color photos, descriptions, and diagrams of over 160 species of decapod crustaceans to help with identifying life at the seashore.
 Grades 9 - adult.

McClung, Robert M. Hunted Mammals of the Sea.
 New York: Morrow, 1978
 Accompanied with black & white illustrations, this book covers the characteristics of seals, whales, dolphins, polar bears, manatees, and other mammals hunted by people and how hunting has impacted them.
 Grades 9 - adult.

McConnaughey, Baynard H. and Evelyn McConnaughey. Pacific Coast.
 New York: Knopf, 1985
 This National Audubon Society Nature Guide includes color photos and descriptions of the birds, plants, fishes, and other marine creatures of the region.
 Grades 9 - adult.

McMillan, Bruce. Nights of the Pufflings.
 Boston: Houghton Mifflin Co., 1995
 On an island off the coast of Iceland, village children spend August nights rescuing thousands of baby puffins who get stranded on their way to sea.
 Grades 1 - 4.

McMillan, Bruce. Penguins at Home: Gentoos of Antarctica.
 Boston: Houghton Mifflin, 1993

Why can't penguins fly? Why are they black and white? Read this book to discover the answers to these questions and much more.

Grades 2 - 6.

Nickerson, Roy. *Sea Otters: A Natural History and Guide*.

San Francisco: Chronicle Books, c1989

Full of large color photos, *Sea Otters* shows the life cycle of these entertaining animals, the dangers they have faced over time, and good places to see them in the wild or at aquariums. Grades 8 - adult.

Niesen, Thomas M. *Beachcomber's Guide to Marine Life of the Pacific Northwest*.

Houston, Tex.: Gulf Pub. Co., c1997

Includes both black and white and color photos and drawings of the region's marine life, tips for better beachcombing, and introductory information on marine biology.

Grades 9 - adult.

Royston, Angela. *Sea Animals*.

New York: Aladdin Books, 1992

See photographs of dolphins, crabs, sea lions, starfish, and learn about these and other animals found in the ocean.

Grades K - 2.

Rustad, Martha E. H. *Lobsters*.

Minneapolis, MN: Bellwether Media, 2008.

Rustad, Martha E. H. *Sea Urchins*.

Minneapolis, MN: Bellwether Media, 2008.

Sea World. *All About Sea Turtles: K-8 Teacher's Guide*.

[Aurora, Ohio]: Sea World, c1992

Includes a fact sheet, bibliography, games, and math and mapping activities.

 Grades K - 8.

Sea World. *All About Penguins: 4-8 Teacher's Guide*.

[Aurora, Ohio]: Sea World, c1992

Background information and suggested activities on food chains, Antarctic exploration, and poster presentation ideas.

 Grades 4 - 8.

Sexton, Colleen A. *Seals*.

Minneapolis, MN: Bellwether Media, 2007.

Sexton, Colleen A. *Walrus*

Minneapolis, MN: Bellwether Media, 2008.

Todd, Frank S. *The Sea World Book of Penguins*.

San Diego, CA: Sea World Press ; New York: Harcourt, Brace, Jovanovich, c1981

What are fairy, brush-tailed, and warm-weather penguins, and how are they alike and different? Learn the answers and see color photographs of these amazing creatures.

Grades 4 - 7.

Wearing, Judy. Jellyfish.

New York, NY: Weigl Publishers, 2010.

B. Boats and Sea Adventures

Ballard, Robert D. Exploring the Titanic.

New York: Scholastic, c1988


A compelling tale full of vintage and modern illustrations of the ship before and after the disaster, and the account of discovering the wreck on the ocean floor.

 Grades 4 - 8.

Blumberg, Rhoda. The Remarkable Voyages of Captain Cook.

New York: Maxwell Macmillan International, c1991

Cook's sea-going explorations to find the "Southern Continent" are presented in this well-referenced and illustrated account.

 Grades 5 - 8.

Humble, Richard. Ships, Sailors, and the Sea. "Timelines Series."

New York: F. Watts, 1991

Packed with detailed illustrations and a useful timeline, this book shows the history of boats from the earliest Greek galleys to modern ocean-going ships.

Grades 2 - 6.

Kentley, Eric. Boat. "Eyewitness Series."

New York: Knopf: Random House [distributor], 1992

From birch bark canoes to modern supertankers, this picture-filled book is a good introduction to the history of boat design, navigation, whaling, and disasters at sea.

Grades: 3 - 6.

Macaulay, David. Ship.

Boston: Houghton Mifflin, 1993

Although technically a work of fiction, Macaulay draws on information about underwater archaeology, shipwrecks, and the process of scientific discovery to tell the tale of a 16th Century wooden caravel.

Grades 4 - 8.

Platt, Richard. Man-of-War.

London ; New York: Dorling Kindersley ; Boston: Distributed by Houghton Mifflin, 1993

Illustrated by Stephen Bietsy, this book takes an 18th Century British man-of-war ship and cuts it into cross-sections from bow to stern to show how the crew interacted with each part of the ship. Covers everything from daily tasks to leisure time to on-board surgery. Grades 4 - 8.

Vail, Martha. Exploring the Pacific.

New York: Facts On File, c2005.

This book charts the voyages of early European explorers of the Pacific, including the journeys and accomplishments of Captain James Cook. Also included are photographs, maps, and a glossary.
Grades 5 - 12.

C. Deep Sea Creatures

Gibbons, Gail. Exploring the Deep, Dark Sea.

Boston: Little, Brown, c1999

Explore the watery depths, meet incredible creatures like giant squids, and find out about the history of deep sea diving.

Grades 1 - 4.

Kovacs, Deborah and Kate Madin. Beneath Blue Waters: Meetings With Remarkable Deep-Sea Creatures.

New York, N.Y., U.S.A.: Viking, 1996

Discover the various ocean zones through amazing photographs of rarely seen creatures and unusual facts about them. A useful glossary and pronunciation guide to scientific names are included.

 Grades 4 - 7.

Taylor, Leighton. Creeps From the Deep.

San Francisco: Chronicle Books, c1997

See amazing close-up photos of the exotic inhabitants of the deepest ocean and learn how scientists search for these creepy critters.

Grades 4 - 6

D. Dolphins, Whales, and Porpoises

Arnold, Caroline. Killer Whale.

New York: Morrow Junior Books, c1994

An information-packed photo essay about Baby Shamu and what researchers at Sea World have learned about orcas.

Grades 2 - 5.

Carrick, Carol. Whaling Days.

New York: Clarion Books, c1993

Follows the whaling industry from early European whalers to the present and includes a useful glossary and bibliography and woodcut illustrations.

Grades 2 - 6.

Davies, Nicola. Big Blue Whale.

Cambridge, Mass.: Candlewick Press, 1997

Why do whales "hum" as they swim along? Find out about this and many other whale behaviors. Illustrations by Nick Maland. Grades K - 3.

Fontaine, Pierre-Henry. Whales of the North Atlantic: Biology and Ecology
Sainte-Foy, Québec: Editions MultiMondes, [1998].

Have you ever seen a photo of the inside of a whale's ear or a diagram of how these huge animals keep cool? For the serious student of dolphins, whales, and porpoises, this book gives information about the communication, reproduction, adaptations, strandings, parasites & enemies, and behaviors of these aquatic mammals.

Grades 9 - adult.

Herriges, Ann. Whales.

Minneapolis, MN: Bellwether Media, 2007.

Heyning, John E. Masters of the Ocean Realm: Whales, Dolphins, Porpoises.

Seattle, WA: University of Washington Press, in association with the Natural History Museum of Los Angeles County, c1994

Chapters are devoted to topics such as evolution, research, conservation, behaviors, and interactions with people.

Grades 9 - adult.

McNulty, Faith. How Whales Walked into the Sea.

New York: Scholastic Press, c1999

Learn how the world's biggest mammal evolved from living on land into a creature of the sea.

Grades 1 - 4.

Morton, Alexandra. Siwiti: A whale's Story.

Victoria, B.C.: Orca Book Publishers, 1991

The author's observations and photos of a baby orca in the Pacific Northwest.

Grades 6 - 10.

Pfeffer, Wendy. Dolphin Talk.

New York: HarperCollins, c2003

Find out how dolphins communicate with each other by making different kinds of noises and body movements. Also learn how dolphins locate other objects in the water through a process known as echolocation.

Grades K-3.

Sea World. Whales: K-3 Teacher's Guide.

[Aurora, Ohio]: Sea World, c1994

Background information and instructions included to help students learn about whale communication, physical traits, and abilities through suggested activities.

🍎 Grades K - 3.

Sea World. Whales: 4-8 Teacher's Guide

[Aurora, Ohio] Sea World, c1994

Background information and instructions included to help students learn about whale communication, physical traits, and conservation through suggested activities.

🍎 Grades 4 - 8

E. Ecology and Environment

Bailey, Donna. Wasting Water.

New York: F. Watts, c1991

Do you know how water is used in industry, or what an aquifer does? Learn about water use around the world and how to avoid wasting this important resource.

 Grades 1 – 4

Berkenkamp, Lauri and Chuck Forsman. Discover the Oceans: The World's Largest Ecosystem.

White River Junction, VT: Nomad, 2009.

Cochrane, Jennifer. Water Ecology. "Project Ecology Series."

New York: Bookwright Press, 1987

What is the water cycle? How can we keep our water clean? This book is full of answers and activities.

 Grades 1 - 4

Cossi, Olga. Water Wars: The Fight to Control and Conserve Nature's Most Precious Resource.

New York: New Discovery Books ; Toronto: Maxwell Macmillan Canada ; New York: Maxwell Macmillan International, c1993

An introduction to water issues including pollution, shortages, and management. Includes case studies, ideas for further reading, and a list of major federal water laws.

Grades 6 - 12.

Dolan, Edward F. Our Poisoned Waters.

New York: Cobblehill Books, c1997

Find out about sources of water pollution around the world and what governments, organizations, and even you can do to save the world's rivers, lakes, wetlands, and oceans.

Grades 6 - 12.

Hoff, Mary. Our Endangered Planet: Rivers and Lakes.

Minneapolis: Lerner Publications Co., c1991

Learn how lakes and rivers work together, how our water sources have been polluted, and what people can do to make bodies of water healthy again. A useful glossary and list of organizations to contact are included.

 Grades 4 - 6

Markle, Sandra. After the Spill: The Exxon Valdez Disaster, Then and Now.

New York: Walker and Co., 1999

How did the 1989 oil spill impact the animals, people, and waters of Prince William Sound? Learn what was done to clean up the damage and to make sure it does not happen again.

Grades 3 - 6.

U. S. Environmental Protection Agency. Turning the Tide on Trash: A Learning Guide on Marine Debris.

[Washington, D.C.?]: U.S. Environmental Protection Agency, [1992]

Background information on the causes and effects of the debris problems and suggested everyday solutions. Includes game and activity ideas for students. :

 Grades 3 - 7

F. Fish

Butterworth, Chris and John Lawrence. Sea Horse, the Shyest Fish in the Sea.
Somerville, Mass.: Candlewick Press 2010.

Cone, Molly. Come Back, Salmon: How a Group of Dedicated Kids Adopted Pigeon Creek and Brought it Back to Life.

San Francisco: Sierra Club Books for Children, c1992


How does a group of Washington fifth graders clean up a polluted creek and restock it with salmon? Read about their hard work, see photos of the whole process, and learn about the lifecycle of Pacific Salmon.

 Grades 4 - 6.

Crook, Alan and Zint, Michaela and the Youth Education Committee, Education Section, American Fisheries Society. Guide to Fisheries Education Resources for Grades K-12.

Bethesda, Md.: The Committee, [1998]

Perfect for teachers and others coordinating youth programs on fish or fisheries. In addition to reviewing fisheries education materials, the guide also provides a Fisheries Education Framework.

 Grades K - 12

Earle, Sylvia A. Hello, Fish.

Washington, D.C.: National Geographic Society, 2001.

Take a tour of the ocean and meet gobies, damselfish, and red lipped batfish.

Grades K - 3.

Guiberson, Brenda Z. Salmon Story

New York: H. Holt, 1993

Discover the lifecycle and history of Pacific salmon, from those who depend on them to those who are trying to rescue them.

Grades 4 - 8.

Herriges, Ann. Sea Horses.

Minneapolis, MN: Bellwether Media, 2007.

Hirschi, Ron. People of Salmon and Cedar.

New York: Cobblehill Books, c1996

Includes information on the importance of salmon to Northwest Coast Native Americans and relates their past struggles to have their fishing rights restored. Illustrated by Deborah

Cooper.

Grades 4 -8.

Paxton, John R. and William N. Eschmeyer, editors. Encyclopedia of Fishes.

San Diego, CA: Academic Press, 1998

From bright tropical fish to the bizarre oarfish, this book is full of photos and information on fish behavior, habitats, endangered species, and much more.

Grades: 9 - adult.

Rustad, Martha E. H. Parrotfish.

Minneapolis, Minn.: Bellwether Media, 2008.

Schach, David. Sea Dragons.
Minneapolis, MN: Bellwether Media, 2007.

Schuetz, Kari. Caring for Your Fish.
Minneapolis, Minn.: Bellwether Media, 2010.

Sexton, Colleen A. Puffer Fish.
Minneapolis, Minn.: Bellwether Media, 2008.

Slade, Suzanne and Kristin Kest. Fish: Finned and Gilled Animals.
Minneapolis, Minn.: Picture Window Books, 2010.

Walker, Sally M. Fossil Fish Found Alive: Discovering the Coelacanth.
Minneapolis, MN: Carolrhoda Books, 2002.

G. Great Barrier Reef

Arnold, Caroline. A Walk on the Great Barrier Reef. Photographs by Arthur Arnold
Minneapolis: Carolrhoda Books, c1988.

Banting, Erinn. The Great Barrier Reef: the Largest Coral Reef in the World
New York: Weigl Publishers, c2005

Clarke, Arthur C. Dolphin Island; a Story of the People of the Sea.
New York: Holt, Rinehart and Winston, [1963]

Collard, Sneed B. One Night in the Coral Sea
Watertown, MA: Charlesbridge, 2005.

Dunphy, Madeleine. Here is the Coral Reef
New York: Hyperion Books for Children, 1998.

Gardner, Jane P. The Everything Kids' Geography Book: from the Grand Canyon to the Great Barrier Reef --
Explore the World!
Avon, Mass.: Adams Media, c2009.

Hanson, Krista Finstad. The Great Barrier Reef
Mankato, Minn.: Creative Education, c2005.

Levy, Jane. Discovering Coral Reefs.
New York: PowerKids Press, 2008.

Lumry, Amanda. Riddle of the Reef.
New York: Scholastic Press, c2009.

McGovern, Ann. *Down Under, Down Under: Diving Adventures on the Great Barrier Reef*
New York: Macmillan, c1989.

Parks, Peggy J. *The Great Barrier Reef*
Detroit: Kidhaven, c2005.

Polyp power [videorecording]; [produced by Paragon Entertainment Corporation in association with Maryland Public Television and the Earth Creatures Company].
[Alexandria, VA]: PBS Video, c1996.

Pyers, Greg. *Coral Reef Explorer*
Chicago, Ill.: Raintree, c2004.

Telford, Carole Rod Theodorou *Inside a Coral Reef / Carole Telford and*
Des Plaines, Ill.: Heinemann Interactive Library, c1997.

Toft, Kim Michelle. *One Less Fish*
Watertown, Mass.: Charlesbridge, c1998.

Ward, Helen. *Old Shell, New Shell: A Coral Reef Tale*
Brookfield, Conn.: Millbrook Press, 2002.

H. Polar Regions

Armstrong, Jennifer. *Shipwreck at the Bottom of the World: The Extraordinary Story of Shackelton and the Endurance*.
New York: Crown, c1998
Find out how the crew of this Antarctic expedition survived when their ship was trapped by ice and crushed. Photographs of their ordeal are included.
Grades 6 - 12.

Conlan, Kathy. *Under the Ice*.
Toronto: Kids Can Press, c2002
Marine biologist Dr. Kathy Conlan talks about scuba-diving under Antarctic ice to study how pollution has affected the environment and marine life there. Filled with vivid color photographs.
Grades 5 - 12.

Johnson, Rebecca L. *Braving the Frozen Frontier: Women Working In Antarctica*.
Minneapolis: Lerner Publications, c1997
Details the daily lives of women working as doctors, scientists, helicopter pilots, and snowplow drivers in Antarctica.
Grades 5 - 8.

May, John. *The Greenpeace Book of Antarctica: A New View of the Seventh Continent*.
New York: Doubleday, 1989, c1988

Contains information about Greenpeace's efforts in the region as well as information, color photos, and maps of ice sheets, shelves, and bergs; animal and plant life; weather; whaling; human impact; the ozone hole; bases, refuges, and treaties; and many other topics related to icy south.

Grades 7 - 12.

Pringle, Laurence. *Antarctica: The Last Unspoiled Continent*.

New York: Simon & Schuster Books for Young Readers, c1992


Discover the plant and animal life and the important role of a place which has been described as both the worst place on earth and a "perfect vacation spot."

Grades 4 - 8.

Simon, Seymour. *Icebergs & Glaciers*.

New York: Morrow, c1987

Creeping, gliding icebergs! Find out how glaciologists study chunks of ice miles long. Full of color photos and maps.

 Grades 3 - 6.

Snowden, Maxine. *Polar Explorers for Kids*.

Chicago, Ill.: Chicago Review Press, c2004

Gives an account of explorers' historic expeditions to the Arctic and Antarctic, complete with 21 activities for kids, such as making a model igloo or barometer. Includes a glossary and list of relevant websites.

Grades 3 - 12.

Steger, Will and Jon Bowermaster. *Over the Top of the World: Explorer Will Steger's Trek Across the Arctic*.

New York: Scholastic Press, c1997

What is it like to cross the Arctic- a place where you need 10 pounds of clothing just to survive the cold? Find out about the courageous people and dogs involved in this four month icy exploration.

Grades 4 - 7.

I. Sharks and Rays

MacQuitty, Miranda. *Shark. "Eyewitness Series."*

London ; New York: Dorling Kindersley Pub., c2000.

Packed with photographs, diagrams, and interesting facts touching on everything from the lives of ancient sharks to how to help save the lives of sharks today.

Grades 3 - 6.

Michael, Scott. W. *Reef Sharks and Rays of the World: A Guide to Their Identification, Behavior, and Ecology*.

Monterey, Calif.: Sea Challengers, 1993

Provides color photos, drawings, and descriptions of 120 species of sharks and 112 species of rays and discusses how they live and interact with their world.

Grades 9 - adult.

Sattler, Helen Roney. *Sharks, the Super Fish*.

New York: Lothrop, Lee & Shepard Books, c1986

Learn about how sharks hunt, interact with other creatures, and much more. The big glossary has black and white illustrations of each shark listed.

Grades 5 - 8.

Simon, Seymour. Sharks.

New York, N.Y.]: HarperCollins, c1995

How often do sharks really bother people? Find out the answer and more about some of the world's 350+ sharks.

Grades 2 - 5.

J. World of Water

Allaby, Michael. Oceans: A Scientific History of Oceans and Marine Life.

New York: Facts on File, 2009.

Arnold, Caroline. El Nino: Stormy Weather for People and Wildlife.

New York: Clarion Books, c1998

What do droughts in South America have to do with flooding in the U.S.? Discover the impacts of El Nino around the world and how and why scientists track this powerful weather phenomenon. Full of maps, photos, and suggestions for further reading.:

 Grades 4 - 9.

Baumbusch, Brigitte. Oceans in Art.

Milwaukee, Wis.: Gareth Stevens Pub., 2005.

Center for Marine Conservation. The Ocean Book: Aquarium and Seaside Activities for All Ages.

New York: Wiley, c1989

A variety of experiments and activities designed for children grades K - 6 on marine life, food chains, and ecosystems. Includes a useful reference list, glossary, and solutions to the activities.

Grades K - 6.

Collard, Sneed B. III. Our Wet World: Exploring Earth's Aquatic Ecosystems.

Watertown, MA: Charlesbridge, c1998

Learn about the diversity of 13 different kinds of wet places, from salt marshes to coral reefs to sea grass meadows.

Grades K - 3.

Cone, Molly. Squishy, Misty, Damp, & Muddy: The In-Between World of Wetlands.

San Francisco: Sierra Club Books for Children, c1996

What does a wetland look like and who lives there? What is the difference between a marsh and swamp? Visit the wetlands in this book to find out!

Grades 1 - 4.

Day, Trevor. Oceans. "Ecosystem" Series.

New York: Facts On File, c2008.

This textbook covers the geography, geology, biology, exploration, health, management, and resources of the world's oceans- plus many other topics. It also has a helpful list of other useful resources, including web sites and journals.

Grades: 9 - adult.

Dipper, Frances. DK Guide to the Oceans.

New York: DK Pub., 2002

Discusses the different habitats of the world's oceans with the help of large color photographs and satellite images. Ocean data page included.

Grades 5 - 12.

Fleisher, Paul. Ocean Food Webs.

Minneapolis: Lerner Publications Co., 2008.

Ganeri, Anita. I Wonder Why the Sea is Salty and Other Questions About the Oceans.

New York: Kingfisher, 1995

Do you wonder which fish is the fastest, what causes waves in the ocean, or what sand is made of? This book has the answers!

Grades K - 3.

Green, Jen. Atlantic Ocean.

Milwaukee, WI: World Almanac Library, 2006.

Green, Jen. Caribbean Sea and Gulf of Mexico.

Milwaukee, WI: World Almanac Library, 2006.

Green, Jen. Indian Ocean.

Milwaukee, WI: World Almanac Library, 2006.

Green, Jen. Mediterranean Sea.

Milwaukee, WI: World Almanac Library, 2006.

Green, Jen. Pacific Ocean.

Milwaukee, WI: World Almanac Library, 2006.

Kampion, Drew. Waves: From Surfing to Tsunami.

Salt Lake City: Gibbs Smith Publisher, 2005.

Kent, Peter. Hidden Under the Sea: The World Beneath the Waves

New York: Dutton Children's Books, c2001

Luenn, Nancy. Squish! A Wetland Walk.

New York: Atheneum ; Toronto: Maxwell Macmillan ; New York: Maxwell Macmillan International, 1994

A young child takes a walk in the wetlands and meets the many creatures who live there. Grades K - 2.

Niesen, Thomas M. Beachcombers Guide to Marine Life of the Pacific Northwest.

Houston, Tex.: Gulf Pub. Co., c1997

Full of illustrations and color photos, this guide helps answer the question "what is that?!" which many of us ask when visiting shores, lagoons, and bays. Includes tips for better beachcombing and information about marine mammals.

Grades 8 - adult.

Nye, Bill. Bill Nye the Science Guy's Great Big Book of Science Featuring Oceans and Dinosaurs. New York: Hyperion Books for Children, 2005.

Pringle, Laurence. Coral Reefs: Earth's Undersea Treasures. New York, N.Y.: Simon & Schuster Books for Young Readers, c1995

Did you know that coral colonies attack each other? Find out more about coral reefs, why they are so important, and what lives there.

Grades 4 - 6.

Ricciuti, Edward R. Ocean. "Biomes of the World Series."

New York: Benchmark Books, c1996

Learn about the ocean biome, from life on the shore to the deepest waters, and what currently threatens our oceans.

Grades 4 - 6.

Scholastic Atlas of Oceans.

New York, NY: Scholastic Reference, c2004.

Seaborn, Charles. Underwater Wilderness: Life in America's National Marine Sanctuaries and Reserves. Boulder, Colo.: Roberts Rinehart Publishers: [Published in cooperation with] The Monterey Bay Aquarium, c1996

Travel from coral reefs to rocky coasts to learn why each marine zone has specific plants and animals which flourish there. Full of amazing color photos.

Grades 8 - adult.

Simon, Seymour. Oceans.

New York: Morrow Junior Books, c1990

Through maps, color photos, and to-the-point text, this is an overview to many ocean related subjects, such as tsunamis, ocean currents and tides, and how oceans shape the climate and land.

 Grades 3 - 6.

Stephen Birch Aquarium-Museum. What Color Would You Be to Hide in the Sea?

La Jolla, CA: Birch Aquarium, Scripps Institution of Oceanography, UC San Diego, 2009.

Svarney, Thomas E. and Patricia Barnes Svarney. The Handy Ocean Answer Book

Detroit: Visible Ink Press, c2000

Quick reference facts about the ocean and marine ecology. Includes a bibliography especially for students.

 Grades 6 - adult.

Sverdrup, Keith A and E. Virginia Armbrust. Introduction to the World's Oceans.

Dubuque, IA: McGraw-Hill, c2009.

A college textbook that is approachable by younger students.
Grades 9 – adult.

Vogel, Carole Garbuny. *Savage Waters*
New York: F. Watts, c2003.

Wade, Larry. *Getting to know the whales.*
Minnetonka, Minn.: Singing Rock Press, 1995

For the middle-school-aged student interested in the study of whales and for those considering the study of whales as a career

 Grades 5 – 9.

Woodward, John. *The Deep, Deep Ocean.*
Redding, Conn.: Brown Bear Books, 2009.

Woods Hole Oceanographic Institution. *All about Oceanography: A Fun-Filled Activity Book.*
[Woods Hole, MA]: Woods Hole Oceanographic Institution, [1993?]


This workbook is most useful for teachers looking for background information on oceanography, related questions for discussion, and reproducible activity sheets.

 Grades: 2 - 6.


K. Websites

This is a list of links to educational and fun web sites. An apple symbol is included if the site is also particularly useful for teachers.

AllSafeSites: <http://www.allsafesites.com/>


 AllSafeSites is a kid-friendly directory & search engine for fun, educational and most importantly, safe websites.

A to Z Teacher Stuff: Ocean Theme: <http://www.atozteacherstuff.com/Themes/Ocean/>


 For teachers! Excellent site for lesson plans and other ocean-related classroom activities, especially for younger grades.

Marine Mammal Education Web, by the National Marine Mammal Laboratory:

<http://www.afsc.noaa.gov/nmml/education/>

 What do you know about manatees, dugongs, and porpoises? Visit this site to learn about these animals and many more creatures of the sea, to get tips on writing reports, and to learn about scientific classification.

Fish Friends Program by the Atlantic Salmon Federation: http://www.asf.ca/fish_friends.php

 Includes information about salmon issues and downloadable salmon life stage posters. There's even a "transparent" salmon so you can see what the organs look like!

Bancroft Arnesen Explore: <http://bancroftarnesen.com/node/20>

- 🍎 Filled with educational programs and accounts of their expeditions to the Arctic, Antarctic, and Great Lakes, this website shows two women's efforts to inspire people, especially women and girls, to follow their dreams.

Caribbean Conservation Corporation Celebrating 50 Years of Sea Turtle Conservation:

<http://www.cccturtle.org/>

Would you like to help save sea turtles? This site allows you to get involved with links for tracking, protecting, and even "adopting" a turtle!

Clean Ocean Action: <http://www.cleanoceanaction.org/index.php?id=334>

Want to get involved? Clean Ocean Action represents many different organizations working together to stop ocean pollution.

Digital Library for Earth System Education: <http://www.dlese.org/library/index.jsp>

- 🍎 Funded by the National Science Foundation and part of the National Science Digital Library, DLESE (a geoscience community resource for teaching and learning about the Earth system) offers resources such as lesson plans and scientific data, and services such as workshops and meetings. Try using "ocean" as a term when performing searches on the website.

Dive and Discover: <http://www.divediscover.whoi.edu>

- 🍎 This is an interactive site created to submerge you in the excitement of exploring the deep seafloor. Get on board these research expeditions!

El Nino/Southern Oscillation Education Resources: <http://www.esrl.noaa.gov/psd/enso/enso.education.html>

- 🍎 A descriptive list of web resources on El Niño from the NOAA-CIRES Climate Diagnostics Center.

Environmental Education: Washington State Department of Ecology:

<http://www.ecy.wa.gov/services/ee/index.html>

- 🍎 This site includes curriculum guides and information about teacher workshops, research resources for students, and volunteer opportunities.

EstuaryLive: <http://www.estuaries.gov/estuaries101/EstuaryLive/Home.aspx>

- 🍎 EstuaryLive will take you on an interactive field trip of our nation's estuaries.

Exploraquarium: <http://www.ocean.washington.edu/exploraquarium/>

- 🍎 Contains information on hydrothermal vent systems, Puget Sound Oceanography, a list of common oceanography questions and answers, and teacher resources. Created by the University of Washington School of Oceanography.

FEMA for Kids: Hurricanes!: <http://www.fema.gov/kids/hurr.htm>

- 🍎 Have you ever seen a hurricane? Check out this site for videos, games, and learn how to track hurricanes. Teachers- see the special curriculum resources.


Find a Fish: <http://australianmuseum.net.au/Find-a-fish>

Search for fish by species, common name, or type of fish on this website from the Australian Museum.


Friends of the Sea Otter: <http://www.seaotters.org/>

This site is dedicated to protecting sea otters by working with state and federal agencies. Links to kids' activities, volunteer jobs, and teachers' activities are included.

ipl2: <http://www.ipl.org>

-  This is a great site for students and teachers looking for links on oceans, marine animals, fishes, amphibians, and much more.

JASON Science: <http://www.jason.org/public/whatis/start.aspx>

-  JASON Project connects students with great explorers and great events to inspire and motivate them to learn science.

King County Library System Homework Help: <http://www.kcls.org/research/>

Check out this site for links on ocean animals, amphibians, endangered salmon, and much more.

Marine Conservation Biology Institute: <http://www.mcbi.org>

This organization works to protect sea life on the West Coast, and internationally, through research, policy work, and educational publications.

The Marine Mammal Center: <http://www.marinemammalcenter.org/>

This center rescues ill, injured or orphaned marine mammals, rehabilitates them, and returns them to their natural environment. Opportunities exist online for teachers and students to get involved or find out more about marine mammals.


MarineBio.org: <http://marinebio.org/>

Formed by a nonprofit volunteer organization to promote awareness of the ocean, ocean science, and ocean conservation issues, this website is an excellent research tool with access to marine journals and news, information on the most endangered and most common marine species, and an introductory education in marine life science. For kids there are links to many exciting activities.

Maritime History from Wikipedia: http://en.wikipedia.org/wiki/Maritime_history

This is the place to research a ship or find resources for modern sailing and maritime education.

Monterey Bay Aquarium Teachers' Place: http://www.montereybayaquarium.org/lc/teachers_place/

-  Check out the Monterey Bay Aquarium site for teachers complete with activities, media, and programs.

Mote Marine Lab: <http://www.mote.org/>

Besides the aquarium, this site offers links exploring the research at Mote and available educational programs, including summer programs and distance learning.

Multnomah County Library Homework Center: Animals: <http://www.multcolib.org/homework/animhc.html>

A list of web sites about marine animals, seashore creatures, fish, amphibians, and more.

National Geographic Xpeditions: Lesson Plans:

<http://www.nationalgeographic.com/xpeditions/lessons/matrix.html>

- 🍎 Teachers can check this site for lesson plans for students K-12 concerning oceanography and other marine topics.

National Maritime Museum, UK: <http://www.nmm.ac.uk/explore/sea-and-ships/>

- 🍎 Maritime history in-depth. Read about notable ocean explorers and expeditions and more.

NOAA Fisheries: Office of Protected Resources: <http://www.nmfs.noaa.gov/pr/species/turtles/>

This site details some of the threats, regulations, recovery plans, and publications pertaining to sea turtle protection.

NOAA, National Ocean Service: <http://oceanservice.noaa.gov/>

For information on the NOS agency and its offices, products and services, activities, publications, and websites.

NOAA Ocean Explorer: <http://oceanexplorer.noaa.gov/>

- 🍎 Dive into lesson plans, professional development opportunities, and ocean career profiles.

NOAA Office of Response and Restoration: <http://response.restoration.noaa.gov/index.php>

- 🍎 Have you ever wondered what happens during an oil spill, how the mess gets cleaned up, or how to do a science fair project about a spill? Visit this site to find out.

NOAA Research: Ocean Exploration and Undersea Research:

http://www.research.noaa.gov/oceans/t_exploration.html

This website delves into greater detail on topics such as technologies for ocean research, ocean mapping, deep-sea corals, and hydrothermal vents.

Northeast Fisheries Science Center FishFAQ: <http://www.nefsc.noaa.gov/faq/>

- 🍎 This site answers some of the questions you've always had about fish and oceanography. Also available are links to excellent websites for students and teachers.

Ocean Adventure: <http://library.thinkquest.org/18828/>

- 🍎 This site explores hydrothermal vents and the sea creatures living in these habitats and includes classroom activities.

Ocean Alliance: <http://www.oceanalliance.org/>

Here is a site dedicated to whale conservation and information about whales.

Ocean Channel: <http://www.ocean.com>

This site provides ocean films and ocean news with a focus on the issue of ocean conservation.


Ocean Conservancy: <http://www.oceanconservancy.org/site/PageServer?pagename=home&cvridirect=true>

Discusses issues pertaining to ocean conservation, such as sustainable fisheries. Includes activities and events.

OceanLink: <http://www.oceanlink.info/>


Bamfield Marine Sciences Centre on Vancouver Island produces this site with marine information.

Oregon Sea Grant Ocean and Coastal Resource Links: <http://seagrant.oregonstate.edu/links/index.html>

-  A list of links and materials for K-12 including sites on watersheds, salmon, marine mammals, and oceanography.

Office of Naval Research's Science and Technology Focus Site for Students and Teachers:

<http://www.onr.navy.mil/focus/default.htm>

-  Learn about ocean animals, research vessels, and the characteristics of the ocean. Then test your knowledge with the online quizzes!

Planet Ocean: <http://school.discoveryeducation.com/schooladventures/planetocean/index.html>

Meet some bizarre and incredible animals that make the ocean their home!


Salmon Challenge Game: <http://www.kingcounty.gov/environment/animalsAndPlants/salmon-and-trout/salmon-challenge.aspx>

This game helps show how our decisions can hurt or help the environment. Created for kids grades 4 – 9 by King County for the Natural Resources Kids Page.

Savage Seas: <http://www.pbs.org/wnet/savage seas/index.html>

-  Learn about what causes tsunamis, El Nino, global warming, cyclones, the deep sea and much more. This site is sponsored by PBS and has many interactive features.

Seattle Aquarium Ocean Science: <http://www.seattleaquarium.org/NetCommunity/Page.aspx?pid=602>

-  Ocean Science supports teachers, students, families, and larger community in stimulating enthusiasm for science among Washington's youth.


Sea & Sky: <http://www.seasky.org/>

Need to learn how to set up an aquarium and care for fish? Curious about ocean conservation and the history of ocean exploration? Visit this site for information, games, & puzzles.

Sea Turtle Restoration Project: <http://seaturtles.org/search.php>

A listing of sea turtle educational resources and programs for activists


SeaWorld/Busch Garden's Animal Information: <http://www.seaworld.org/animal-info/index.htm>

-  From bony fishes to animal rescues to resources for teachers, this site is full of information and pictures.

SEATURTLE.org: <http://www.seaturtle.org/>

Become a member of this site, or just browse the image library, bookstore, or multimedia files for sea turtle information.

Secrets of the Ocean Realm: <http://www.pbs.org/oceanrealm/>

-  This is the PBS site for information about sea creatures. Includes classroom activities.

Shedd Aquarium: <http://www.sheddaquarium.org/>

Take a look at the animals and exhibits at Shedd Aquarium in Chicago. Includes lesson plans and educational ideas.

Will Steger Expedition Journals: <http://www.willsteger.com/>

Learn about Will Steger's solo 1997 North Pole expedition: see photos, read journal entries, and discover links for further exploration.

Southern Ocean Exploration: <http://www.southernoceanexploration.com/>

Are you interested in ships and shipwrecks? Check out this site for research on shipwrecks in Australian waters. Information on diving, Australian weather, and Australian ships is also available.

Sea Lion Caves, Oegon: <http://sealioncaves.com/home>

Take a virtual visit to a sea lion cave in Oregon and learn about sea lions.

ThankYouOcean.Org: <http://www.thankyouocean.org/>

This website, created on behalf of the California "Thank You Ocean" campaign organized in part by the NOAA National Marine Sanctuary Program, encourages people to demonstrate care and responsibility for the ocean through education, respect, and practice. Included are links to conservation issues, California aquariums, and a website for kids.


Tsunami!: <http://www.ess.washington.edu/tsunami/index.html>

This site has been created by the University of Washington's Department of Earth & Space Sciences to teach people about the Tsunami Warning System, how tsunamis are formed, and how they impact people.

Ultimate Guide to Dolphins: <http://tursiops.org/dolphin/guide/dolphins.html>


Have you ever wondered why dolphins are so intelligent, or what their conversations sound like? Visit this site to learn more about the complexities of dolphins.

UN Atlas of the Oceans: <http://www.oceansatlas.org/index.jsp>

-  Emphasizes the sustainable development of the oceans, including related issues and uses of the oceans. Includes links to numerous ocean maps, databases, and ocean websites.

US Fish & Wildlife Service Endangered Species Program, Kids' Corner:

<http://www.fws.gov/endangered/kids/index.html>


-  Fact sheets, teaching themes, and further resources for teachers, all concerning information on endangered or threatened species.

Virginia Sea Grant Ocean Sciences Education: <http://web.vims.edu/adv/ed/?svr=www>


-  An extensive collection of classroom resources.

Washington State Department of Ecology: Ecology for Educators and Students:

<http://www.ecy.wa.gov/services/ee/index.html>

-  Environmental education, including science-based, interdisciplinary environmental education curricula and award-winning materials

Water Science for Schools: <http://ga.water.usgs.gov/edu/>

-  Created by the U.S. Geological Survey, this site offers maps and data on many aspects of water. Test your water knowledge in the interactive center online!

WorldFish Center: <http://www.worldfishcenter.org/wfcms/HQ/Default.aspx>

WorldFish Center, a nonprofit research center specializing in living aquatic resources, has a mission to help developing countries reduce poverty and hunger through fisheries and aquaculture. Its website offers online marine resources such as publications and FishBase as well as links to the organization's research and projects.

What is the American Alligator?: <http://answers.encyclopedia.com/question/american-alligator-141419.html>

Learn about the American Alligator.

Wildlife Viewing in Washington: <http://www.wdfw.wa.gov/viewing/wildview.htm>

Check out the Department of Fish and Wildlife's WildWatchCams at this site and learn about wildlife in Washington.

WhaleNet: <http://whale.wheelock.edu/Welcome.html>

An interactive educational website for students and teachers about marine research and whales, especially right whales.

WINDandSEA: The Oceanic and Atmospheric Sciences Internet Guide:

<http://www.lib.noaa.gov/researchtools/subjectguides/wind/windandsea.html>

If you would like to research oceanic and atmospheric issues, this website is for you. The NOAA Central Library has reviewed links to diverse topics such as marine biology, marine pollution, oceanography, wetlands, climate and tides.

Women Exploring the Oceans: <http://www.womenoceanographers.org/>

Each year 12 women oceanographers and their careers are featured.

L. Magazines

This is a list of magazines which often have articles related to the environment, science, fish, boating, or animals that live in or near the water. Students, parents, and teachers will all likely find these titles useful and interesting for projects or exploring!

Cousteau Kids Online! <http://www.cousteaukids.org/>

Ocean articles for children covering the animals of the sea and more.

Elementary Grades

Discover: <http://discovermagazine.com/>

Covers a variety of topics in science and technology, including articles about marine animals, ocean pollution, and more.

Grades 6 & up.

Field & Stream: www.fieldandstream.com

Covers hunting, fishing, outdoor activities, and conservation.

Grades 6 & up.

Freshwater and Marine Aquarium: http://www.fishchannel.com/fama_portal.aspx

"The Magazine Dedicated to the Tropical Fish Enthusiast" offers information on fish and advice on maintaining them and their homes. Indispensable for home aquarium keepers.

Grades 7 & up.

In-Fisherman: the Journal of Freshwater Fishing: <http://www.in-fisherman.com/>

Contains seasonal information, fishing tips and more.

Grades 8 & up.

KIND News: <http://www.kindnews.org/>

The Humane Society of the United States publishes this animal-related newsletter for schools.

National Geographic Magazine: <http://www.nationalgeographic.com/>

Covers a wide variety of topics in science, nature, wildlife, and more. People of all ages enjoy this magazine's amazing photography.

National Geographic World Magazine for Kids: <http://kids.nationalgeographic.com/kids/>

Information about wild and domestic animals and more.

Grades 3 - 8.

Oceanus: <http://www.whoi.edu/oceanus/index.do>

Published by Woods Hole Oceanographic Institute, articles cover marine biology, trends in ocean research, marine animals, research vessels, oceanography from space, etc.

Grades 9 & up.

Ranger Rick: <http://www.nwf.org/Kids/Ranger-Rick.aspx>

Published by the National Wildlife Federation, this magazine is for kids interested in nature and wildlife.

Grades 2 - 6.

Sail: <http://www.sailmag.com/>

"Teaches, informs, and entertains" about keeping boats of all sizes shipshape and learning to sail. Particularly useful for those new to sailing.

Grades 7 & up.

Weatherwise: <http://www.weatherwise.org/>

Color photos and articles about powerful forces such as tsunamis, El Nino and hurricanes.

Grades 6 & up.

Yachting: <http://www.yachtingmagazine.com/>

Learn about racing news, developments in boat design, and new equipment.

Grades 9 & up.

Your Big Backyard: <http://www.nwf.org/Kids/Your-Big-Backyard.aspx>

The award winning nature magazine from the National Wildlife Federation.

Grades Pre-K - 2.