



Dive in and discover books, websites, and magazines about the sea, fish, marine animals, water ecology, ocean exploration, and much more! This is the site especially for students K - 12 and their teachers and parents.

## [Books](#) | [Websites](#) | [Magazines](#)

### Visting the UW Libraries

You don't have to be a UW student to look at UW Library resources, but there are restrictions on borrowing items and using some resources. Please see [Services for Visitors](#) for more information, and ask a UW librarian if you have any questions. You may want to check in the [UW Libraries Catalog](#) for more information about books & magazines. Many of the items on this list might be found at your local library, and the websites can be used by anyone. Have fun looking!

## BOOKS

To help get you started on your search, we have only listed some of the best titles that the UW Libraries own for each subject. The lists are in alphabetical order by the author's last name. Each entry has the following information:

Author's name. *Book title*. What the book is about. Which UW Library branch you can find the book at. The book's call number. What grades this book is best for. An apple symbol is included if the book is also particularly useful for teachers.

Books are grouped into several general categories to make it easier for you to find what you are looking for:

[Animals and Water Birds](#)

[Boats and Sea Adventures](#)

[Deep Sea Creatures](#)

[Dolphins, Whales, and Porpoises](#)

[Ecology and Environment](#)

[Fish](#)

[Polar Regions](#)  
[Sharks and Rays](#)  
[World of Water](#)

## **Animals and Water Birds**

- **Arnosky, Jim. *All About Turtles***

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! Children's Literature Stacks: QL666. C5 A57. Grades 1 - 4.

- **Brown, Mary Barrett. *Wings Along the Waterway***

Discover the lives, homes, and problems facing 21 waterbirds. Children's Literature Stacks: QL676.2 B77. Grades 2 - 5.

- **Coldrey, Jennifer. *Penguins***

What do a Little Blue and an Emperor have in common? They're both penguins! See photographs and learn about the whole penguin family. Children's Literature Stacks: QL696.S473 C64. Grades K - 3.

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

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. Children's

Literature Stacks: QL430.3 O2 C47. Grades 5 - 8.

- **Cerullo, Mary. *Sea Sooup: Zooplankton.***

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. Fisheries-Oceanography: QL123. C42. Grades 5 - 8.

- **Coldrey, Jennifer. *The World of Crabs.***

Discover where crabs live, why they leave their shells behind, and how they fit into the food chain. Lots of color pictures. Children's Literature Stacks: QL444. M33 C65. Grades 2 - 4.

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

Packed with fascinating information about Florida manatees and how human encounters have both helped and harmed these gentle creatures. Children's Literature Stacks:

QL737.S63 D37. Grades 4 - 6.

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

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

QL737. P62 D37. Grades 4 -6.

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

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. Children's Literature Stacks: QH501 F56. Grades 3 - 6.

- **Gibbons, Gail. *Sea Turtles.***

Learn about 8 different kinds of sea turtles: what they eat, where they nest, and how sea turtles are different than other turtles. Children's Literature Stacks: QL666. C536 G525. Grades 1 - 4.

- **Gotshall, Daniel W. and Laurence L. Laurent. *Pacific Coast Subtidal Marine Invertebrates: A Fishwatchers' Guide.***

Color photos, descriptions, and diagrams to help identify the region's invertebrates, including anemones, sea urchins, and sponges. Fish-Ocean Reserve: QL151. G67. Grades 9 - adult.

- **Jensen, Gregory C. *Pacific Coast Crabs and Shrimps.***

Color photos, descriptions, and diagrams of over 160 species of decapod crustaceans to help with identifying life at the seashore. Fish-Ocean Reserve: QL444. M33 J46. Grades 9 - adult.

- **McClung, Robert M. *Hunted Mammals of the Sea.***

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. Fisheries-Oceanography: QL713.2 M3. Grades 9 - adult.

- **McConnaughey, Baynard H. and Evelyn McConnaughey. *Pacific Coast.***

This National Audubon Society Nature Guide includes color photos and descriptions of the birds, plants, fishes, and other marine creatures of the region. Fish-Ocean Reserve: QH104.5 P32 M37. Grades 9 - adult.

- **McMillan, Bruce. *Nights of the Pufflings.***

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. Children's Literature Stacks: QL696 C42 M39. Grades 1 - 4.

- **McMillan, Bruce. *Penguins at Home: Gentoos of Antarctica.***

Why can't penguins fly? Why are they black and white? Read this book to discover the answers to these questions and much more. Children's Literature Stacks: QL696. S473

M39. Grades 2 - 6.

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

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. Fisheries-Oceanography: QL737. C25 N53. Grades 8 - adult.

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

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. Fish-Ocean Reserve: QH104.5 N6 N53. Grades 9 - adult.

- **Royston, Angela. *Sea Animals.***

See photographs of dolphins, crabs, sea lions, starfish, and learn about these and other animals found in the ocean. Children's Literature Stacks: QL122.2. R69. Grades K - 2.

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

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

Materials: QL666.C536 A42. Grades K - 8.

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

Background information and suggested activities on food chains, Antarctic exploration, and poster presentation ideas. Curriculum Materials: QL696. S473 A44. Grades 4 - 8.

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

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.

Children's Literature Stacks: QL696. S473 T62. Grades 4 - 7.

## **Boats and Sea Adventures**

- **Ballard, Robert D. *Exploring the Titanic.***

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. Children's

Literature Stacks: G530. T6 B494. Grades 4 - 8.

- **Blumberg, Rhoda. *The Remarkable Voyages of Captain Cook.***

Cook's sea-going explorations to find the "Southern Continent" are presented in this well-referenced and illustrated account. Children's Literature Stacks: G420. C65 B55. Grades

5 - 8.

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

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. Children's Literature Stacks: VM150. H86. Grades 2 - 6.

- **Kentley, Eric. *Boat*. "Eyewitness Series."**

From birchbark canoes to modern supertankers, this picture-filled book is a good introduction to the history of boat design, navigation, whaling, and disasters at sea. Children's Literature Stacks: V109. K46. Grades: 3 - 6.

- **Macaulay, David. *Ship*.**

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. Children's Literature Stacks: VM311.C27 M33. Grades 4 - 8.

- **Platt, Richard. *Man-of-War*.**

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. Children's Literature Stacks: V737. B53. Grades 4 - 8.

- **Vail, Martha. *Exploring the Pacific*.**

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. Children's Literature Stacks: DV19.V25 2005. Grades 5 - 12.

## Deep Sea Creatures

- **Gibbons, Gail. *Exploring the Deep, Dark Sea*.**

Explore the watery depths, meet incredible creatures like giant squids, and find out about the history of deep sea diving. Children's Literature Stacks: GC65.G53. Grades 1 - 4.

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

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. Children's Literature Stacks: QL122.2 .K68. Grades 4 - 7.

- **Taylor, Leighton. *Creeps From the Deep*.**

See amazing close-up photos of the exotic inhabitants of the deepest ocean and learn how scientists search for these creepy critters. Children's Literature Stacks: QH91.16 T38.

Grades 4 - 6.

## Dolphins, Whales, and Porpoises

- **Arnold, Caroline. *Killer Whale.***

An information-packed photo essay about Baby Shamu and what researchers at Sea World have learned about orcas. Children's Literature Stacks: QL737.C432 A76. Grades 2 - 5.

- **Carrick, Carol. *Whaling Days.***

Follows the whaling industry from early European whalers to the present and includes a useful glossary and bibliography and woodcut illustrations. Children's Literature Stacks: SH381.5 C37. Grades 2 - 6.

- **Davies, Nicola. *Big Blue Whale.***

Why do whales "hum" as they swim along? Find out about this and many other whale behaviors. Illustrations by Nick Maland. Children's Literature Stacks: QL737. C424. D38. Grades K - 3.

- **Fontaine, Pierre-Henry. *Whales of the North Atlantic: Biology and Ecology.***

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. Fisheries-Oceanography: QL737. C4 F73413. Grades 9 - adult.

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

Chapters are devoted to topics such as evolution, research, conservation, behaviors, and interactions with people. Fish-Ocean Reserve: QL737. C4 H43. Grades 9 - adult.

- **McNulty, Faith. *How Whales Walked into the Sea.***

Learn how the world's biggest mammal evolved from living on land into a creature of the sea. Children's Literature Stacks: QL7637. C4 M37. Grades 1 - 4.

- **Morton, Alexandra. *Siwiti: A Whale's Story.***

The author's observations and photos of a baby orca in the Pacific Northwest. Children's Literature Stacks: QL737.C432 M67. Grades 6 - 10.

- **Pfeffer, Wendy. *Dolphin Talk.***

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.***

Background information and instructions included to help students learn about whale

communication, physical traits, and abilities through suggested activities. Curriculum

Materials: QL737. C4 W445. Grades K - 3.

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

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

Curriculum Materials: QL737. C4 A5. Grades 4 - 8.

## **Ecology and Environment**

- **Bailey, Donna. *Wasting Water.***

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. Children's

Literature Stacks: TD495. B35. Grades 1 - 4.

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

What is the water cycle? How can we keep our water clean? This book is full of answers and activities. Children's Literature Stacks: QH541.5 W3 C63. Grades 1 - 4.

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

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. Children's Literature Stacks: TD348. C67. Grades 6 - 12.

- **Dolan, Edward F. *Our Poisoned Waters.***

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. Bothell/CCC Children's Lit.: TD422. D65. Grades 6 - 12.

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

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. Bothell/CCC Children's Lit.: TD422. H64. Grades

4 - 6.

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

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. Children's Literature Stacks: TD427. P4 M377. Grades 3 - 6.

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

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

TD427. P62 T87. Grades 3 - 7.

## **Fish**

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

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. Children's

Literature Stacks: SH157.8 C66. 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.*

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. Fisheries-Oceanography

Stacks: SH332.2 U6 C76. Grades K - 12.

- Earle, Sylvia A. *Hello, Fish.*

Take a tour of the ocean and meet gobies, damselfish, and red lipped batfish. Children's Literature Stacks: QL617.2 E36. Grades K - 3.

- Guiberson, Brenda Z. *Salmon Story.*

Discover the lifecycle and history of Pacific salmon, from those who depend on them to those who are trying to rescue them. Children's Literature Stacks: QL638 S2 G94. Grades 4 - 8.

- Hirschi, Ron. *People of Salmon and Cedar.*

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. Children's Literature

Stacks: E78 W3H57. Grades 4 -8.

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

**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. Fish-Ocean Reference: QL614.7 E52. Grades: 9 - adult.**

## **Polar Regions**

- **Armstrong, Jennifer. *Shipwreck at the Bottom of the World: The Extraordinary Story of Shackleton and the Endurance.***

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. Children's Literature Stacks: G850 1914 .S53 A76. Grades 6 - 12.

- **Conlan, Kathy. *Under the Ice.***

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. Children's Literature Stacks: QH91.16.C65 2002. Grades 5 - 12.

- **Johnson, Rebecca L. *Braving the Frozen Frontier: Women Working In Antarctica.***

Details the daily lives of women working as doctors, scientists, helicopter pilots, and snowplow drivers in Antarctica. Children's Literature Stacks: G860. J64. Grades 5 - 8.

- **May, John. *The Greenpeace Book of Antarctica: A New View of the Seventh Continent.***

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. Children's Literature Stacks: G860 M35. Grades 7 - 12.

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

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." Children's Literature Stacks: G863. P75. Grades 4 - 8.

- **Simon, Seymour. *Icebergs & Glaciers.***

Creeping, gliding icebergs! Find out how glaciologists study chunks of ice miles long. Full of color photos and maps. Children's Literature Stacks: GB2403.8 S58. Grades 3 - 6.

- **Snowden, Maxine. *Polar Explorers for Kids.***

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. Children's Literature Stacks: G634.S66 2004. Grades 3 - 12.

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

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. Children's Literature Stacks: G630. A5 S733. Grades 4 - 7.

## Sharks and Rays

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

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. Children's Literature Stacks: QL638.9 M25. Grades 3 - 6.

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

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. Fish-Ocean Reserve: QL638.9 M525. Grades 9 - adult.

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

Learn about how sharks hunt, interact with other creatures, and much more. The big glossary has black and white illustrations of each shark listed. Children's Literature Stacks: QL638.9 S26. Grades 5 - 8.

- **Simon, Seymour. *Sharks.***

How often do sharks really bother people? Find out the answer and more about some of the world's 350+ sharks. Children's Literature Stacks: QL638.9S56. Grades 2 - 5.

## World of Water

- **Arnold, Caroline. *El Niño: Stormy Weather for People and Wildlife.***

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

Children's Literature Stacks: GC296.8 E4 A76. Grades 4 - 9.

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

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. Curriculum Materials: GC21.5.O28. Grades K - 6.

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

Learn about the diversity of 13 different kinds of wet places, from salt marshes to coral reefs to sea grass meadows. Children's Literature Stacks: QH 90.16 C65. Grades K - 3.

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

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! Children's Stacks: QH87.3 C65. Grades 1 - 4.

- **Day, Trevor. *Oceans. "Ecosystem" Series.***

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. Fisheries-Oceanography: GC11.2 D39. Grades: 9 - adult.

- **Dipper, Frances. *DK Guide to the Oceans.***

Discusses the different habitats of the world's oceans with the help of large color photographs and satellite images. Ocean data page included. Children's Literature Stacks: GC21.5.D555 2002. Grades 5 - 12.

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

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! Children's Literature Stacks: GC21.5 G34. Grades K - 3.

- **Heitzmann, William Ray. *Opportunities in Marine and Maritime Careers.***

Provides background information and organizations for jobs in oceanography, fishing, commercial diving, shipbuilding, and more. Includes pre-career experience opportunities. Fish-Ocean Reserve: VK160 H37. Grades 9 - adult.

- **Lang, Denise V. *Footsteps in the Ocean: Careers in Diving.***

Would you like to make a living underwater? Find out about jobs in commercial and sport diving, military and police operations, and underwater research. Children's Literature Stacks: VM984. L36. Grades 7 - 12.

- **Luenn, Nancy. *Squish! A Wetland Walk.***

A young child takes a walk in the wetlands and meets the many creatures that live there. Children's Literature Stacks: QH541.5 M3 L84. Grades K - 2.

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

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. Fish-Ocean Reserve: QH104.5 N6 N53 Grades 8 - adult.

- **Pringle, Laurence. *Coral Reefs: Earth's Undersea Treasures.***

Did you know that coral colonies attack each other? Find out more about coral reefs, why they are so important, and what lives there. Children's Literature Stacks: QH541.5

C7P75. Grades 4 - 6.

- **Riccutti, Edward R. *Ocean. "Biomes of the World Series."***

Learn about the ocean biome, from life on the shore to the deepest waters, and what currently threatens our oceans. Children's Literature Stacks: GC21.5 R516. Grades 4 - 6.

- **Seaborn, Charles. *Underwater Wilderness: Life in America's National Marine Sanctuaries and Reserves.***

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. Fisheries- Oceanography: QH91.75 U6 S43. Grades 8 - adult.

- **Simon, Seymour. *Oceans.***

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. Children's Literature Stacks: GC21.5 S58. Grades 3 - 6.

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

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

especially for students. Fish-Ocean Reference: GC28.S88. Grades 6 - adult.

- **Thurman, Harold V. *Introductory Oceanography.***

This textbook covers the history of oceanography, fundamental marine processes, and ocean life. Fisheries-Oceanography: GC16 T45. Grades 9 - adult.

- **Wade, Larry. *Oceanography. "Whales in the Classroom" Series.***

Includes interviews with famous oceanographers and has activities to learn the skills needed to study the ocean, such as mapping ocean floors and understanding food chains.

Curriculum Collection: GC16. W33. Grades 5 - 8.

- **Woods Hole Oceanographic Institution. *All about Oceanography: A Fun-Filled Activity Book.***

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

Fisheries-Oceanography: GC21.5 A55. Grades: 2 - 6.

## WEB SITES

**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.**

- [700+ Great Sites](#)

Created by the American Library Association, this site has links to other sites about aquariums, earth science, animals, weather, environment, and much more.

- [A to Z Teacher Stuff: Ocean Theme](#)

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

- [About Marine Mammals](#)

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.

- [Atlantic Salmon Federation Fish Friends Program](#)

Includes curriculum materials, 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](#)

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 and Sea Turtle Survival League](#)

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](#)

Want to get involved? Clean Ocean Action represents many different organizations working together to stop ocean pollution, especially in The New York Bight.

- [Digital Library for Earth System Education](#)

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](#)

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

- [Dolphin Log](#)

The Cousteau Society offers creature features, knowledge challenges, an image gallery, and information about boats and Jacques-Yves Cousteau.

- [El Niño/Southern Oscillation Education Resources](#)

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

- [Environmental Education: Washington State Department of Ecology](#)

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

- [EstuaryLive](#)

Participate in EstuaryLive September 23 and 24, 2004. As the feature event for National Estuaries Day 2004, EstuaryLive will take you on an interactive field trip of our nation's estuaries.

- [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!](#)

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](#)

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

- [Friends of the Sea Otter](#)

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.

- [Internet Public Library](#)

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

- [The JASON Project](#)

This interactive, multimedia project was founded by Dr. Robert Ballard, who discovered the wreck of the Titanic, in order to bring discovery to classrooms (grades 4 - 9).

- [King County Library System Homework Help](#)

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

- [Marine Conservation Biology Institute](#)

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

- [The Marine Mammal Center](#)

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](#)

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](#)

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

- [Miami Museum of Science National Hurricane Center](#)

How does a hurricane form, and why would anyone follow it in a plane? Visit this site to find out and to also learn how to make your own weather center tools- like barometers- from household items.

- [Monterey Bay Aquarium Kid's Corner and Teacher's Place](#)

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

- [Mote Marine Lab](#)

Besides the aquarium, this site offers links exploring the research at Mote and available educational programs, including summer programs and high school internships.

- [Multnomah County Library Homework Center](#)

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

- [National Geographic Expeditions: Lesson Plans](#)

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

- [NOAA Fisheries: Office of Protected Resources](#)

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

- [NOAA'S Kids Corner](#)

Learn about marine careers, play games and puzzles to test your knowledge about the ocean, and discover the National Undersea Research Program at this site maintained by

the National Oceanic and Atmospheric Administration.

- [NOAA's National Ocean Service](#)

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

- [NOAA Ocean Explorer](#)

Details NOAA sea marine explorations around the world, including Project PHAEDRA

2006 in the Aegean Sea. Includes photo and video gallery and lesson plans.

- [NOAA Office of Response and Restoration](#)

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](#)

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 Fish 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.

- [NOVA Online](#)

Do an online search for information on marine life and ocean topics.

- [Ocean Adventure](#)

This site explores hydrothermal vents and the sea creatures living in these habitats.

- [Ocean Alliance](#)

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

- [Ocean Channel](#)

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

- [Ocean Conservancy](#)

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

- [Ocean Planet](#)

See the Smithsonian Institution Traveling Exhibition entitled "Ocean Planet" and showcasing some of the seafarers and problems affecting the world's oceans.

- [Oceanlink: Marine Animal Records](#)

Part of the OceanLink website dedicated to ocean education, Marine Animal Records posts the records for largest, smallest, fastest, etc. among the marine animals.

- [Oregon Sea Grant Ocean and Coastal Resource Links](#)

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

- [Oceanography Theme Page](#)

This site is full of maps, interactive displays, lesson plans, and information about oceans and the creatures that live there. It also contains special theme pages for El Niño, whales, and tsunamis.

- [Office of Naval Research's Science and Technology Focus Site for Students and Teachers](#)

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

- [ONR Oceanography for Students](#)

The Office of Naval Research has created an oceanography website covering general marine topics for students and teachers.

- [Planet Ocean](#)

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

- [PORT Maritime Information Gateway: Modern Ocean Exploration](#)

The National Maritime Museum's Port, or gateway to maritime information on the Internet, has resources pertaining to modern ocean exploration. Read about notable ocean explorers and expeditions, research, and research ship schedules.

- [Salmon Challenge](#)

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](#)

Learn about what causes tsunamis, El Niño, global warming, cyclones, and much more. This site is sponsored by PBS and requires RealPlayer and QuickTime for many of the interactive features.

- [Seattle Aquarium](#)

The Fins, Feathers, and Flippers section has great facts and photos for marine creatures- especially those in the Puget Sound area. There is also information for teachers about aquarium events and classes.

- [Sea & Sky](#)

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](#)

A list of sea turtle educational resources and programs for activists

- [Sea World Animal Information Database](#)

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

- [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](#)

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

- [Shedd Aquarium](#)

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

- [Solo From the Pole](#)

Learn about Will Steger's solo 1997 North Pole expedition: see photos, read journal entries, and discover links for further exploration. At least one link includes K-12

environmental education curriculum.

- [Southern Ocean Exploration](#)

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.

- [Surfing the Net With Kids: El Niño](#)

A descriptive list of the best El Niño web sites for kids, teens, teachers, and families.

- [Remembering the Titanic](#)

What was it like to be on board the Titanic? How did the sinking of this ship impact the world? Visit this site to learn about the luxury liner and see a gallery of photos.

- [Sea Lion Caves](#)

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

- [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.

- [Treasures at Sea](#)

Dive into this site for an ocean adventure filled with ocean literature and many exciting activities! Teacher's Place is included.

- [Tsunami! Online Information Resource Center](#)

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

- [Turtle Trax](#)

Here is a website devoted to marine turtles and their conservation. Turtle images and a turtle library are included.

- [Ultimate Guide to Dolphins](#)

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](#)

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.

- [Under the Sea](#)

An elementary schoolteacher in Alabama has created a website perfect for teachers with lesson plans, many classroom activities, and educational links.

- [U.S. Fish & Wildlife Services Teacher's Page](#)

This site is full of activities, fact sheets, teaching themes, and further resources for teachers, all concerning information on endangered or threatened species.

- [VIMS Virtual Marine Education Center](#)

Information and online resources about the marine environment for students and teachers.

Created by the Virginia Institute of Marine Science.

- [Virginia Marine Science Museum](#)

Check out the aquarium's virtual tour for interesting facts on sea creatures. Teacher's

Corner included.      Virtual Antarctica

See pictures of this icy land and learn about its aquatic and animal inhabitants.

- [Virtual Frog Dissection Kit](#)

Interactively dissect a digitized frog!

- [Washington State Department of Ecology Water Quality](#)

This is an excellent website for information about water quality and point and nonpoint pollution in the Washington state area.

- [Water Analysis Resources: Fresh Water Ecology and Pollution in Indiana](#)

Would you like to know more about water? This site addresses questions about water properties, the water cycle, water pollution, and groundwater. Teacher resources are

included.

- [Water Science for Schools](#)

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!

- [Welcome to WorldFish Center](#)

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, databases, and a newsroom, as well as links to the organization's research and projects.

- [What is the American Alligator?](#)

Learn about the American Alligator.

- [Wildlife Viewing in Washington](#)

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

- [WhaleNet](#)

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

- [Wind and Sea](#)

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 climate and tides.

- [Women and Technology Careers : Civil Engineering](#)

A charting of diverse career-oriented career links for women in civil engineering fields

- [Zoom Sharks](#)

This is an online book about sharks and rays full of illustrations, facts, activity sheets, a dictionary, and more.

- [Zoom Whales](#)

This is an online book about whales full of illustrations, facts, activity sheets, a dictionary, and more.

## **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. Not all of these titles are owned by the UW Libraries. If the magazine is owned by UW, then the UW branch location is listed. Students, parents, and teachers will all likely find these titles useful and interesting for projects or exploring!**

- ***Animals***

Contains articles and photography on wild and domestic animals all over the world, focusing on their protection and environmental conditions. Visit the [web site](#). Grades 9 & up.

- ***Discover***

Covers a variety of topics in science and technology, including articles about marine animals, ocean pollution, etc. Search their [web site](#). Locations: Bothell, Odegaard, & Tacoma Libraries. Grades 6 & up.

- ***Dolphin Log***

From the Cousteau Society Inc., this magazine offers information about marine animals, science, oceans, and natural history. Check out the [web site](#). Grades 2 - 8.

- ***Field & Stream***

Covers hunting, fishing, outdoor activities, and conservation. Visit their [web site](#). Location: Auxiliary Stacks & Proquest online. Grades 6 & up.

- ***Freshwater and Marine Aquarium***

"The Magazine Dedicated to the Tropical Fish Enthusiast" offers information on fish and advice on maintaining them and their homes. Check out their [web site](#). Location: Fisheries-Oceanography SF456. F7. Grades 7 & up.

- ***In-Fisherman: the Journal of Freshwater Fishing***

Contains seasonal information, fishing tips, etc. Visit their [web site](#). Location: Fisheries-Oceanography SH401. I48. Grades 8 & up.

- ***National Geographic Magazine***

Covers a wide variety of topics in science, nature, wildlife, and more. People of all ages enjoy this magazine's amazing photography. Visit their [web site](#). Locations: Tacoma, Bothell, Odegaard, and Suzzallo Libraries.

- ***National Geographic World Magazine For Kids***

Information about wild and domestic animals and more. Check out their [web site](#). Grades 3 - 8.

- ***Oceans***

Published by the non-profit Oceanic Society, topics include research, conservation, pollution problems, and fishing issues. Full of color photos. Locations: Fisheries-Oceanography, Friday Harbor, & Natural Sciences Libraries. Grades 9 & up.

- ***Oceanus***

Published by Woods Hole Oceanographic Institute, articles cover marine biology, trends in ocean research, marine animals, research vessels, oceanography from space, etc. Check out their [web site](#). Locations: Fisheries-Oceanography & Friday Harbor Libraries. Grades 9 & up.

- ***Ranger Rick***

Published by the National Wildlife Federation, this magazine is for kids interested in nature and wildlife. Visit their [web site](#). ProQuest online. Grades 2 - 6.

- ***Sail***

"Teaches, informs, and entertains" about keeping boats of all sizes shipshape and learning to sail. Particularly useful for those new to sailing. Visit their [web site](#). Grades 7 & up.

- ***Sea Secrets***

The educational companion to *Sea Frontiers*, this magazine has a question & answer section and news briefs. Location: Fisheries-Oceanography: GC1. S39. Grades 9 & up.

- ***Scienceland***

Each issue features a different topic and is full of photos, illustrations, and vocabulary lists to help both new readers and kids beginning to explore the concepts of science. Grades K - 5.

- ***Underwater Naturalist***

Published by the non-profit American Littoral Society, this bulletin focuses on "coastal subjects" such as beaches, fish migration, and coral reef ecology. Available online in UW restricted. Location: Fisheries-Oceanography: QH90. U55. Grades 9 & up.

- ***Weatherwise: The Magazine About Weather***

Color photos and articles about powerful forces such as tsunamis, El Niño, hurricanes, and more. Visit the [web site](#). Locations: Natural Sciences Storage & Microforms, Odegaard, and ProQuest online. Grades 6 & up.

- ***Yachting***

Learn about racing news, developments in boat design, and new equipment. Visit their [web site](#). Locations: Rainier Auxiliary Stacks & Lexis-Nexis online. Grades 9 & up.

- ***Your Big Backyard***

The award winning nature magazine from the National Wildlife Federation. Visit their [web site](#). Ages PreK - 2.