



BIBLIOGRAPHY

LIFE IN THE TIDAL ZONE

FOR SEA: Investigating Marine Science - Grade 1

This bibliography has been selected specifically for *Life in the Tidal Zone - Grade One*. A few of the titles listed are out of print, but worthwhile enough for you to check for them in your school and public libraries.

RESOURCES FOR STUDENT INFORMATION

A FIRST LOOK AT ANIMALS WITHOUT BACKBONES. Millicent E. Selsam and Joyce Hunt. Walker. 1976.

In simple terms and black and white drawings, invertebrates are introduced by scientific classification.

A FIRST LOOK AT SEASHELLS. Millicent E. Selsam and Joyce Hunt. Walker. 1983.

Describes a variety of seashells and explains how they are classified. Distinguishing characteristics are emphasized in the text and black and white drawings.

CREATURES OF THE SEA. John Christopher Fine. Atheneum. 1989.

Adaptations in appearances and behaviors which help sea creatures hide are described in simple terms with color photographs.

THE HERMIT CRAB. Brian and Jillian Cutting. The Wright Group, a division of Thomas C. Wright, Inc. 1988.

Description of a hermit crab with simple illustrations.

HERMIT CRABS. Kathleen Pohl. Raintree Nature Close-up. 1986.

The life cycle and behavior patterns of hermit crabs are described. Color photographs clearly show the stages of the cycle.

- HOW TO HIDE AN OCTOPUS AND OTHER SEA CREATURES. Ruth Heller. Grosset & Dunlap. 1985.
A brief text in simple rhyme accompanies beautifully colored illustrations by the author. Creatures are shown without protective background and then hidden.
- IS THIS A HOUSE FOR HERMIT CRAB? Megan McDonald. Orchard. 1990.
Hermit Crab must hunt for a new home when he outgrows his old one. Beautiful color illustrations complement the rhythmic text of this non-fiction narrative.
- OCEAN PLANTS. Sue Beaugard and Jill Fairchild. The Children's Book Company Sea Library. 1982.
A brief overview of seaweeds and their importance. Color photographs depict several varieties.
- OCEANS. John Norris Wood. Knopf Nature Hide & Seek. 1985.
Full-color ocean scenes include many sea creatures depicted in their protective coloration. Fold-out flaps reveal some of the more hidden creatures. Identification and other information about each scene is included.
- OCTOPUS. Evelyn Shaw. Harper Science I CAN READ. 1971.
Color illustrations realistically portray the life cycle and habits of a female octopus as described in the narrative.
- THE ROCK POOL. David Bellamy. Clarkson Potter Our Changing World. 1988.
The interactions between animals and plants of a rock pool are described and the disastrous results which occur when an oil spill washes ashore are realistically portrayed. The text and color illustrations depict the changing scene with vivid clarity and emphasize the relationship of humans with the natural world.
- STARFISH. Edith Thacher Hurd. Crowell Let's Read and Find Out. 1962.
Explanation of the life cycle, feeding habits and powers of regeneration of this interesting creature. Drawings identify some of the various species.
- UNDER THE WATER. Harriet Ziefert. Puffin Books, Penguin. 1990.
Simple illustrations and descriptions of how water covers the earth and the type of plants and animals that live in the water.

WATER'S WAY. Lisa Westberg Peters. Arcade Publishing. 1991.

A young boy is witness to the ways water is always changing. Water in its various forms and phase changes is presented in a clear text. Ted Rand's detailed illustrations contribute to an understanding of the cyclical ways of water.

WHAT'S UNDER THE OCEAN? Janet Craig. Troll. 1982.

Brief text and pictures introduce some animals and plants that live in the ocean.

RESOURCES FOR LITERATURE INTEGRATION

Please be aware that in the more fanciful of these titles, the science content may not be accurate.

A HOUSE FOR HERMIT CRAB. Eric Carle. Picture Book Studio. 1987.

In this imaginative tale, a hermit crab decorates his new shell with various sea creatures, adding a new creature each month throughout the year. Carle's magnificent colorful collages are a natural lead-in to a art activities.

CLANCY AND HIS TIDEPOOL FRIENDS. Carol Batdorf. Carol Batdorf - 3273 Mt. Baker Highway, Bellingham, WA (206) 592-5291. 1987.

The story of Clancy the crab and all the creatures in the tide pool that he meets and befriends.

DOES ANYONE KNOW WHERE A HERMIT CRAB GOES? Michael Glaser. Knickerbocker Publishing Co. 1983.

A story about Purmitt Drab outgrowing his shell and seeking a new, bigger one.

MY COUSIN HAS EIGHT LEGS! Jasper Tomkins. Sasquatch Books, Seattle. 1992.

A fun story about the adventures of an octopus that leaves Puget Sound to stay with a young boy for awhile.

MY VERY OWN OCTOPUS. Bernard Most. Harcourt Brace Jovanovich. 1980.

A fanciful story of a boy longing for his very own octopus. All the things the octopus could do are illustrated in full color.

NIGHT OF GHOSTS AND HERMITS: NOCTURNAL LIFE ON THE SEASHORE.

Mary Stolz. Harcourt. 1985.

In this lyrical narrative, the reader learns scientific information about the nocturnal activities of seashore creatures. The text is illustrated with appropriate gray-toned drawings.

THE OCEAN ALPHABET BOOK. Jerry Pallotta. Charlesbridge. 1986.

An ocean creature or feature is introduced for each letter of the alphabet. Full page, colored illustrations enhance the narrative.

PAGOO. Holling C. Holling. Houghton Mifflin. 1957.

A delightful and detailed peek into tide pool life. The story begins with an introduction of Pagoo, a tiny plankton hermit crab. As Pagoo grows larger, he has many adventures and interactions with other inhabitants of the intertidal. The narrative is very detailed for younger children, but the pictures used with a modified and simplified storyline will be thoroughly enjoyed by children.

SALLY AND THE LIMPET. Simon James. M.K. McElderry Books. 1991.

Sally gets a limpet stuck to her finger at the beach.

THE SEASHORE BOOK. Charlotte Zolotow. Harper Collins. 1992.

A little boy from the mountains asks his mother about the seashore he has never seen. The reader is then taken through a day at the seashore in a beautifully descriptive conversation.

WHEN THE TIDE IS LOW. Sheila Cole. Lothrop. 1985.

A small child and her mother talk about all the things they will see at the beach when the tide is low. Color paintings illustrate the story.

POETRY**A CHILD'S TREASURY OF SEASIDE VERSE.** Mark Daniel, (comp.).

Dial. 1991.

A collection of verses about the sea from Byron, Shakespeare, Whitman and other British and American writers of the 19th and early 20th centuries.

ALL THE SMALL POEMS. Natalie Worth. Farrar. 1987.

These small poems of familiar, ordinary subjects are perfectly complemented by Natalie Babbitt's small black and white drawings.

PIPING DOWN THE VALLEYS WILD. Nancy Larrick. Dell. 1968.

A wonderful collection of poems including many relating to the sea and shore.

THE RANDOM HOUSE BOOK OF POETRY. Jack Prelutsky, (comp.).
Illustrated by Arnold Lobel. Random House. 1983
A treasury of 572 poems, many with a marine theme.

THE SEA IS CALLING ME. Poems selected by Lee Bennett Hopkins. Harcourt.
1986.
A collection of poems pertaining to the sea and seashores. Each poem
is appropriately illustrated in soft colors.

RESOURCES FOR TEACHERS & STUDENTS

Included are books, curricula, media resources, equipment, posters, etc.
The books in this list present further information in a more difficult text; even
so, many of them will be enjoyed by children for the illustrations and
photographs.

BOOKS

AN OCTOPUS IS AMAZING. Patricia Lauber. Holt. 1993.
This book has a great deal of information and many wonderful
drawings.

EXPLORING AN OCEAN TIDE POOL. Jeanne Bendick. Holt Henry & Co.
1992.
Describes the animals and plants found in an ocean tide pool and
discusses the interrelationships among these tide pool inhabitants.
Includes a discussion of the need to protect the ocean from pollution.
Color photos.

EXPLORING THE SEASHORE IN BRITISH COLUMBIA, WASHINGTON AND
OREGON. Gloria Snively. Gordon Soules Book Publishers. 1978.
A field guide that includes plants and animals of the intertidal;
arranged by habitat, beach type, and tidal zone. A very readable, "user-
friendly" guide that simplifies identification, stressing understanding of
how the organisms are "equipped to live in their world."

CREATURES OF THE SEA. John Fine. Macmillan. 1989.
Describes sea creatures with unusual appearances or behaviors that
allow them to fit successfully into their underwater environment.

HERMIT CRABS. Sylvia A Johnson. Lerner Natural Science. 1989.
The physical characteristics and habits of these seashore animals in
their natural environment is described and pictured in color
photographs and drawings.

- LIFE IN A TIDAL POOL. Alvin and Virginia Silverstein. Little. 1990.
In this description of tide pool ecology, the interaction and interdependence of tide pool plants and animal inhabitants is discussed. The drawings in black and white illustrate the text.
- THE MARINE BIOLOGY COLORING BOOK. Thomas M. Niesen. Barnes and Noble. 1982.
An introduction to the inhabitants of the major marine environments. Coloring plates illustrate the organisms in detail and the text explains their life cycle and interactions.
- OCTOPUS. Carol Carrick. Clarion. 1978.
In this narrative, the life cycle of a female octopus is described in detail. The text is enhanced by Donald Carrick's colored art work.
- PACIFIC INTERTIDAL LIFE. Ron Russo and Pam Olhausen. Nature Study Guide. 1981.
A very usable, affordable guide to the organisms of rocky reefs and tide pools of the Pacific coast.
- PLANTS AND ANIMALS OF OREGON'S ROCKY INTERTIDAL HABITAT. Office of Public Affairs, ODFW, P.O. Box 59, Portland, OR 97207.
A wonderful tide pool resource for teachers at a very low price! Includes 49 full color photos with lots of information and illustrations of rocky intertidal plants and animals.
- SEA CREATURES DO AMAZING THINGS. Arthur Myers. Random. 1981.
An informal approach to marine creatures, focusing on their unusual behaviors and physical characteristics, make this work appealing.
- SEA LIFE AT THE OCEAN'S EDGE. Julia Corbett. Pacific Northwest National Parks and Forests Association. 1984.
Descriptions of the tide pool habitat and inhabitants.
- THE SEASIDE NATURALIST: A GUIDE TO NATURE STUDY AT THE SEASHORE. Deborah A. Coulombe. Prentice. 1984.
Written for the amateur, this is a combined field guide and introductory marine biology text. Illustrated by the author with black and white drawings.
- STARFISH, SEASHELLS, and CRABS. George S. Fichter. Western Publishing. 1993.
A Golden Junior Guide with colored illustrations which add great detail to the informative text. Includes some anatomical drawings.

TIDEPOOL, A CLOSE-UP LOOK AT THE NATURAL WORLD OF A TIDE POOL. Christiane Gunzi. Dorling Kindersley. 1992.

Part of the Look Closer series. An informative book for young readers. Each larger-than-life photograph illustrates animals and plants in great detail.

TIDEPOOLS. Diana Barnhart & Vicki Leon. Blake Publishing. 1989.

A description of tide pool habitat and inhabitants with beautiful, large color photographs.

WHERE THE WAVES BREAK: LIFE AT THE EDGE OF THE SEA. Anita Malign. Carolrhoda. 1985.

Excellent color photographs integrated with the interesting text provide information about many of the marine animals to be found along the edge of the sea.

CURRICULUM

HIGH TIDE, LOW TIDE Curriculum guide. Project ORCA, Pacific Science Center Explore More Store, 200 Second Ave. N., Seattle, WA 98109. (206) 443-2870.

VIDEOTAPES & SLIDES

A VISIT TO THE ROCKY SHORES narrated slide show. Available from: Sea Studios, 810 Cannery Row, Monterey, CA 93940 (408) 649-5152. Includes 60 images and a teacher's guide.

THE MONTEREY BAY AQUARIUM VIDEO TREASURY. Monterey Bay Aquarium, 886 Cannery Row, Monterey, CA 93940-1085 ph. (408) 648-4850.

Segments in the 69 minute long video tape include: Feeding on the Rocky Shore, Reproduction on the Rocky Shore, The Kelp Forest, Marine Mammal Introduction, Flukes and Flippers, Voices in the Sea, Seasons of the Squid, Plankton, Behind-the-Scenes: Collecting, and Dive into Monterey Canyon.

OREGON INTERTIDAL ANIMAL SLIDE SET. Sea Grant Education Program, Hatfield Marine Science Center, 2030 Marine Science Drive, Newport OR 97365. (503) 867-0271.

Slide set accompanied by script. Presents interesting facts about the creatures who inhabit the rocky intertidal zone.

OREGON'S ROCKY INTERTIDAL VIDEOTAPE. Sea Grant Education Program, Hatfield Marine Science Center, 2030 Marine Science Drive, Newport OR 97365. (503) 867-0271.

A 12-minute video introducing the tide pools of Oregon to your students. Excellent for use prior to a field trip to the coast.

OTHER

DISCOVERY SCOPES. Available from: Discovery Scope, Inc., P.O. Box 607, Green Valley, AZ 85622 (602) 648-1401.

This usable and highly versatile hand-held, wide-field microscope includes an adaptor to hold clear view chambers which can serve as tiny aquariums.

MAC'S FIELD GUIDES. 2321 -34th Ave. S. Seattle, WA 98144.

Available for all kinds of marine and terrestrial organisms, Mac's guides are heavy plastic cards with detailed drawings for identification. Card NW-1 is Northwest Coastal Invertebrates.

THE MONTEREY BAY AQUARIUM ANIMAL SETS and ECOSYSTEM SETS.

Monterey Bay Aquarium, 886 Cannery Row, Monterey, CA 93940-1085 ph. (408) 648-4850.

Animal sets include: Marine Mammals (Gr. K-12) and Sharks/Fishes (Gr. 3-12). Ecosystem sets include: Rocky Shore (Gr. K-5), Sandy Seashore (Gr. K-8), Kelp Forest (Gr. K-12), Deep Sea (Gr. 6-12) and Ecology/ Conservation (Gr. K-12). Each set includes materials and activities developed by the aquarium staff.

SEALIFE: THE ADVENTURES OF CRUSTY Magnet Set. Available from: Childwood, Inc., 8873 Woodbank Dr., Bainbridge Island, WA 98110. (206) - 842-3472.

Includes 8 different sea creature magnets and the storyline in which they star! Also includes an activity guide.