



CENTER FOR  
ECOSYSTEM  
SURVIVAL

## CES Teacher Guides

# Coral Reef Resources

**C**oral reefs are one of the most diverse ecosystems on earth, rivaling the great tropical rainforests in the sheer abundance of plant and animal life they harbor. Learning about coral reefs is a great way to generate interest and excitement about natural ecosystems globally and locally and is a good starting point for studying a variety of biological concepts. By getting involved in the protection and preservation of coral reefs, students will realize that an individual can make a difference.

### Additional CES Teacher Guides:

*Exploring Coral Reefs*  
*Coral Reef - Color & Learn*  
*Exploring Rainforests*  
*Backyard Biodiversity*  
*Ecosystems & Insects*  
*Bugs in the System*  
*Recycled Paper Making*  
*Rainforest Resources*  
*Heroes for the Earth -*  
*Turning Ideas Into Action*

### Also Available:

Adopt A Reef flyers -  
Komodo, Indonesia  
Parque del Este, Dominican Rep.  
Palau, Micronesia  
Adopt An Acre flyers -  
Pantanal, Brazil  
Talamanca, Costa Rica  
Amoro, Bolivia

### Instructional Resources

*All About Corals & Coral Reefs: K-3 Teacher's Guide.* Sea World Education Department. Sea World of Florida Education Department, 7007 Sea World Drive, Orlando, FL 32821. (available from other Sea Worlds as well) 28 pages. \$5.00

*The Coral Forest: Diversity of Life on the Coral Reef.* Coral Forest Teachers Guide. Grades K-12. Coral Forest, 400 Montgomery St., Suite 1040, San Francisco, CA 94104. Tel: 415-788-REEF, Fax: 415-398-0385, E-Mail: coral@igc.apc.org, WWW: <http://www.blacktop.com/coralforest>

*Coral Reef Teacher's Kit.* World Wildlife Fund and RARE, Inc. 1986. Materials and activities for teaching middle grades. Includes poster, slides, teacher's guide and student reader/ coloring books. World Wildlife Fund, 1250 24th St. NW, Washington DC 20037. \$15.00

*Diving Into Oceans.* Ranger Rick's Nature Scope, 1989. Grades 1-8. National Wildlife Federation, 1400 16th St., NW, Washington, DC 20036-2266. Order #75042. \$10.95

*Environmental Awareness Activities for Librarians and Teachers: 20 interdisciplinary Units for Use in Grades 2-8.* Martha Seif Simpson. Includes sections on rainforests and coral reefs. Available from McFarland & Co., Inc., Box 611, Jefferson, NC 28640. 800-443-3742. \$32.50.

*Life On A Coral Reef.* Frederick Lighter. Marine Science curriculum for grades 7-9 available from Seattle Aquarium Programs Dept., Pier 59 Waterfront Park, Seattle, Washington 98101. Tel: 206-625-4358

*Living in Water: An Aquatic Science Curriculum for Grades 4-6.* National Aquarium in Baltimore, 1989. Education Dept., Pier 3, 501 E. Pratt St., Baltimore, MD 21202. Covers physical properties of water, habitats, how animals live in water, light and water, etc. Hands-on activities, and worksheets. 319pp., \$10.00. *Coral Reefs: A Fact Sheet* is also available for \$2.50. Grades 7-12.

*Manatees.* Mote Marine Laboratory, Education Dept., 1600 Ken Thompson Parkway, Sarasota, FL 34236. Tel: 800-691-MOTE, 941-388-4441. Curriculum guide for elementary and secondary levels. \$10.00

**Monterey Bay Aquarium.** Educational materials available for K-12 on a wide range of subjects dealing with local marine habitats. Monterey Bay Aquarium, Education Division Reservation, 886 Cannery Row, Monterey, CA 93940-1085. TEL: (408) 648-4850

*The Ocean Crisis.* Linda MacRae-Campbell, Micki McKisson and Bruce Campbell. Zephyr Press, 1990. 102pp. Available from Zephyr Press, P.O. Box 13448, Tucson, AZ 85732-3448. Tel: 602-322-5091. Part of *Our Only Earth Series* for Grades 4-12. \$19.95

*Sea Turtles.* Mote Marine Laboratory, Education Dept., 1600 Ken Thompson Parkway, Sarasota, FL 34236. Tel: 800-691-MOTE, 941-388-4441. Curriculum guide for the elementary level. \$5.00

**Tarleton Institute for Marine Education,** 50 Francisco St., Suite 103, San Francisco, CA 94113. Tel: 415-623-5370. Project Ocean is a series of marine education programs for teachers and students; the WhaleBus visits local schools with it's outreach program about marine mammals. A lending library for teachers is also available.

*MARE Guide to Marine Science Resources.* 100 pages of marine science curricula, posters, videotapes, and outreach programs for K-12 previewed by MARE. Available from the Lawrence Hall of Science in Berkeley, CA phone: (510) 642-1016. \$10.00.

*Marine Education: A Bibliography of Education Materials Available from the Nation's Sea Grant College Programs.* J.L. Scott Marine Education Center and Aquarium, 1991. Available from Mississippi-Alabama Sea Grant Consortium, P.O. Box 7000, Ocean Springs, Miss. 39566-7000. Tel: 601-875-9341. Cost: \$2.00

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*Beneath the South Pacific.* 25 min. video. Teaches about marine mammals, eels, sharks, octopods, etc. in the tropical Pacific. Available from AIMEs Multimedia, 9710 DeSoto Ave., Chatsworth, CA 91311-4409. Tel: 800-367-2467. Intermediate-Adult. \$99.95. *Beneath the Caribbean* also available for \$195.00

*Caribbean Reef Encounters.* 1993. 45 min. video plus 12 min. video quiz on emphasizing species diversity on the coral reef. Reproducible answer sheet and key included. Upper elementary through college. Available from Leave Only Bubbles, Inc. P.O. Box 2397, Key Largo, FL 33037. Tel: 1-800-890-0134. \$24.95

*City of Coral.* 56 min. video release of a 1983 episode of the PBS Nova television series. Produced and photographed by Neil Goodwin for Nova by Peace River Films. Coral reef and mangrove swamp ecology in the Caribbean.

*The Coral Reef: A Living Wonder.* 24 min. video. How coral polyps survive and build the largest structures on earth in the Caribbean and Pacific. Available from AIMEs Multimedia, 9710 DeSoto Ave., Chatsworth, CA 91311-4409. Tel: 800-367-2467. Intermediate-Senior High. \$99.95

*Eco-Adventures in the Oceans.* Computer game. Aboard an oceanographic research ship players explore the oceans of the world. Designed to stimulate awareness of the unique ecosystem of this crucial environment. Provides focal point for teaching ocean ecology and ecosystems. Ages 10-Adult. Chariot Software Group, 3659, India St., San Diego, CA 92103. TEL: (619) 298-0202

*Finite Oceans.* Video from The Discovery Channel. A political, economic and environmental journey through the earth's seas. \$19.95

*Keeping Coral Reefs Alive.* Slide show of photos by Mike Hurley highlighting the rich variety of shapes, sizes and colors that populate coral reef ecosystems and discusses the importance of the reefs' biological diversity as well as imminent threats to the reefs' survival. The Coral Reef Alliance (CORAL), 809 Delaware St., Berkeley, CA 94701. TEL: (510) 528-2492, internet: <http://www.coral.org>

*Life on the Reef.* Great Barrier Reef, 1994. 53 min. video concentrating on ecology concepts such as competition, predator-prey interaction, symbiosis, niche, camouflage, etc. Comes with a reproducible two page worksheet and answer key. Advanced middle school and college levels. Available from Leave Only Bubbles, Inc. P.O. Box 2397, Key Largo, FL 33037. Tel: 1-800-890-0134. \$21.95

*Manatees and How they Live.* 26 min. video. Explores life, habits and anatomy of this endangered animal. Available from AIMEs Multimedia, 9710 DeSoto Ave., Chatsworth, CA 91311-4409. Tel: 800-367-2467. Intermediate-Adult. \$99.95

*Micronesia: Pohnpei to Belau.* CD-ROM hybrid ed., Macintosh and Windows. Sumeria, San Francisco, CA., 1993. Editor in chief and underwater video-Jerry Borrell. 2 computer laser optical discs. Volume two of the series *Ocean Life*. Fish behavior, coral reef fauna, includes narrated underwater video and photography.

*Sea Turtles.* A slide show discussing sea turtle biology, behavior and threats to survival for elementary-adult available from the Center for Marine Conservation (see above for address).

*Sea Turtles: Ancient Nomads.* Audubon Television Special available on video. Audubon Television Specials, National Audubon Society, 801 Pennsylvania Ave., S.E., Washington, DC 20003

*Corals: The Sea's Great Builders.* The Costeau Society. Simon & Schuster Books for Young Readers, 1992. Grades K-5.

*Coral Reef.* Jane Burton. Photographs by Jane Burton, text by Barbara Taylor. Dorling Kindersley, NY, 1992. \*

*Coral Reef.* Michael George. Creative Education, Inc., 1992. 123 S. Broad St., Mankato, MN 56001. Grades 6-8 \*

*The Coral Reef Coloring Book.* Katherine Orr. Macmillan Publishers Ltd., 1988. Available from Stemmer House Publishers, Inc., 2627 Caves Rd., Owings Mills, MD 21117. Includes natural history information. Grades 3-5.

*The Dangerous Life of the Sea Horse.* Miriam Schlein. Atheneum, New York, 1986.

*Dive to the Coral Reefs - A New England Aquarium Book.* Elizabeth Tayntor Growell, Paul Erickson and Les Kaufmann. Crown Publishers, 1986. 225 Park Ave S., New York, NY 10003. Grades K-5

*A Jellyfish is Not a Fish.* John F. Waters. Thomas Y. Crowel, NY, 1979.

*The Magic School Bus On the Ocean Floor.* Joanna Cole and Bruce Degen. Scholastic, Inc., 1992. 555 Broadway, New York, NY, 10012. Grades K-3.

*Manatee Coloring Book.* Center for Marine Conservation (CMC), 1725 DeSales St. NW, Washington, DC 20036 Tel: 202-429-5609. K-4. Discusses manatees and dugongs and why they are endangered. 28pp, \$1.50. *Sea Turtle Coloring Book* also available. They are a good resource for other marine information as well. Ask about their discount for teachers.

*Nature Hide & Seek: Oceans.* John Norris Wood. Alfred A. Knopf, NY, 1985.

*The Ocean Book: Aquarium and Seaside Activities for all Ages.* The Center for Marine Conservation. John Wiley & Sons Inc., 1989. Available from the Center for Marine Conservation, 1725 DeSales St., Washington, DC 20036. \$12.95

*The Reef and the Wrasse.* Susan Steere. Harbinger House, Tucson, AZ, 1988.

*Rescue the Reef: A Coloring Activities Book.* RMS Publishing, Birmingham, Michigan, 1993. Available from The Nature Company stores.

*Sea Turtles: A Coloring Book in English and Spanish.* Francine Jacobs. 1981. Center for Environmental Education, 1725 DeSales St. NW, Washington, DC 20036. Includes excellent background information. \$3.95/\$2.80 for educators.

*Under the Sea From A to Z.* Anne Doubilet. Crown Publishers, 1991. Grades 6-8 \*

*A Walk On the Great Barrier Reef.* Caroline Arnold. Carolrhoda Books, 1988. 241 1st Ave N., Minneapolis, MN 55401. Grades 3-5 \*

*Coral Kingdoms.* Carl Roessler. Harry N. Abrams, Inc., 1986. 216 pp.; subject: coral reef biology.

*Living Corals.* Douglas Faulkner. Clarkson N. Potter, New York, 1979.

*The Living Ocean, Understanding and Protecting Marine Biodiversity.* Boyce-Thorne Miller. Island Press, 1991. P.O. Box 7, Covelo, CA 95428. 1180 pp.

*The Marine Biology Coloring Book.* Thomas M. Niesen. Harper & Row, 1982. Excellent background information. Intended for college students. \$9.95

*Marine Invertebrates and Plants of the Living Reef.* Partick L. Colin. THF Publications, 1988. P.O. Box 427, Neptune, NJ 07753. 512 pp., \$29.95

*A Nation of Oceans.* Michael Weber and Richard Tinney. Center for Environmental Education, 1987. 1725 DeSales St., NW., Washington, DC 20036. About the National Marine Sanctuary Program. 95 pp., \$8.95. Subject: marine ecology in the United States.

*Reef: A Safari Through the Coral World.* Jeremy Stafford-Deitsch. Sierra Club Books, San Francisco, CA, 1991 200 pp. \*

*The Seaside Naturalist: A Guide to Nature Study at the Seashore.* Deborah A. Coulombe. Prentice-Hall Press, New York, 1984. Excellent Natural History Information. Illustrations may be colored. 246 pp., \$12.95.

*Southeastern and Caribbean Seashores.* Eugene H. Kaplan. Houghton Mifflin, Boston, 1988. 425 pp., \$15.95.

*The Underwater Wilderness: Life Around the Great Reefs.* Carl Roessler. McGraw-Hill, New York, 1987. 319 pp., \$29.95. \*

**The Center for Marine Conservation (CMC)** - Produces a series of free fact sheets on marine mammals and sea turtles. Available from CMC, 1725 DeSales St. NW, Washington, DC 20036. Tel: 202-429-5609.

*Coral Forest.* Newsletter. 400 Montgomery St., Suite 1040, San Francisco, CA 94104

*Who's Home at the Beach?* A guide for family fun and exploration at the beach. Fold-out brochure. Center for Wildlife Conservation, P.O. Box 31665, Seattle, WA 98103-1665. TEL: (206) 684-4870

**Adopt A Reef** - The acquisition of habitat in the is the most direct way for you to be actively involved in global conservation. Saving entire ecosystems by adopting acreage allows you to both protect and preserve thousands of species of reef fish, invertebrates and coral reef systems. You can help preserve and protect habitat today! Ask for our Adopt and Acre® and Adopt A Reef® brochures. Center for Ecosystem Survival, S.F.S.U., Dept. of Biology, 1600 Holloway Ave., San Francisco, CA 94132. Tel: 415-338-3393. [gershenx@sfsu.edu](mailto:gershenx@sfsu.edu)

\* These books have good pictures.