

Great online resources

Caution: Do Not Bleach!

Source: NOAA NOS

Lesson Summary: Students will be able to identify and explain five ways that coral reefs benefit human beings; identify and explain three major threats to coral reefs; describe major components of the Coral Reef Early Warning System; identify and discuss actions that can be undertaken to reduce or eliminate threats to coral reefs; discuss at least one hypothesis that explains why corals under stress may expel their zooxanthellae.

Grade Level: 9-12, adaptable to 6-8

http://oceanservice.noaa.gov/education/kits/corals/lessons/coral_bleach.pdf

or

http://oceanservice.noaa.gov/education/kits/corals/supp_coral_lessons.html

Coral Bleaching: What's the Role of Water Temperature?

Source: NOAA CHAMP

Lesson Summary: Students will be able to graph and analyze data sets and determine the temperature threshold required to start a coral bleaching event.

Grade Level: 6-8, adaptable to 9-12

<http://www.coral.noaa.gov/cleo/pdf/Bleaching%20Lesson.pdf>

or

<http://www.coral.noaa.gov/cleo/education.shtml>

Coral Crossword Challenge

Source: NOAA Aquarius Undersea Laboratory

Lesson Summary: Students will complete a cross word using coral reef knowledge.

Grade Level: 6-12

<http://www.uncw.edu/aquarius/education/lessons/Aq%20coral%20crossword.pdf>

Coral Reef Book

Source: Discovery School

Lesson Summary: Students will be able to write and illustrate short books that explain to younger children how the animals that inhabit coral reefs are uniquely suited to their environment.

Grade Level: 6-8, adaptable to 9-12

<http://school.discovery.com/lessonplans/programs/coralreefs/>

Chasing Coral

Source: Chasing Coral documentary on netflix.

Film Synopsis: Coral reefs around the world are vanishing at an unprecedented rate. A team of divers, photographers and scientists set out on a thrilling ocean adventure to discover why and to reveal the underwater mystery to the world.

Lesson Summary: Looking to dive deeper? We've developed these new lesson plans with teachers to enrich the screening experience. Download these lesson plans for grades 6-12 to explore the film's themes, enrich classroom discussion, and inspire students to discover what's happening in their own local ecosystems.

Grade Level: 6-12

<http://www.chasingcoral.com/>

<http://www.chasingcoral.com/in-the-classroom/>

Great online resources

Virtual dives all over the world:

<http://catlinseaviewsurvey.com/surveys/tab/updates>

<http://catlinseaviewsurvey.com/science/coral-reefs>

Downloadable Resources:

Catlin Seaview Coral Oceans (7-11)

These resources for ages 7-11 are based on the journeys undertaken by science teams taking part in the [XL Catlin Seaview Survey](#) expeditions. These resources present a complete scheme of work for the science classroom, covering core science and sustainability curriculum areas as well as enhancing students' creative and communications skills.

<http://oceans.digitalexplorer.com/resources/?collection=coral-oceans-7-11>

Coral Reef Resource Guide

Source: EPA and University of Southern Mississippi

Lesson Summary: A comprehensive and easy to use guide containing 55 lessons and activities related to coral reefs. Many activities can be adapted to various grade levels. Simply click on the pdf of the lesson you are interested in using in your classroom. English and Spanish.

Grade Level: K-12

<http://www.usm.edu/aquarium/old/coralreef/index.html>

Blue Planet: Coral Seas

Source: Discovery School

Lesson Summary: Students will work in small groups to identify basic information about coral polyps and coral reefs, coral reef habitats, and natural threats to coral reefs; create a poster related to one of these topics; and explain the topic to the class via a presentation. This lesson accompanies the Discovery Channel: Blue Planet Seas of Life series.

Grade Level: 6-8, adaptable to 9-12

http://school.discovery.com/lessonplans/programs/BP_coralseas/

Can't Stand the Pressure

Source: Coral Reef Adventure Film

Lesson Summary: Students will construct a device to experiment with pressure, density, floating and sinking, and will make observations of these phenomena.

Grade Level: 6-10

<http://www.coralfilm.com/CRAEducatorGuide.pdf>