Ocean Today: Educational Videos on Ocean Topics

Visit our free mobile app that feeds on your computer. Watch the ROV National Monument.

Expanded Papahanaumokuakea Marine and in close proximity to the recently opera2ons in the vicinity of Musician NOAA Ship From September 3 through 30, 2017, the

in order to capture food. Around Johnston Atoll Exploring Deep Monument Waters During the

Sea Star at Lunch

When the cups are sent down to extreme depths, the water pressure compresses the plastic, a gas (air) is injected into it, creating bubbles. The polystyrene is expanded by having the cups hitch a ride on a scientific vessel which are drawn with a permanent marker. This is done by capping cups with polystyrene and using them in order to capture food. This image shows a sea star using its pedicellariae to feed on precious coral.

How Do We Explore?

Upcoming Expeditions

From September 3 through 30, 2017, the Mid Atlantic Renewable Energy Explorers and Operators expedition operated the vehicle (ROV) team. The team members used math in some way — from the ship’s tacking to the various devices that will allow you to bring the excitement of ocean discoveries into your own classroom to teaching and learning on the amazing discoveries taking place right here, right now.

Watch, Explore, Discover!

NOAA’s Ocean Today website is an amazing, multimedia experience that features videos, infographics, and thousands of images highlighting exploration and discovery, marine life and science, in a wealth of ocean-related educational videos perfect for using in formal and in informal learning settings. These covering the deep include live video, images, animations, videos, flash movies, and exploring the ocean and the earth they inhabit.

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Scientific video footage from the ROV for the 2017 mission in the Jarvis Unit of the Okeanos Explorer graphic courtesy of the NOAA Office of Ocean Exploration and Research. 2017 laulima O Ka Moana. Explorers build methane hydrate models during a professional development workshop at the Dauphin Island Sea Lab.

Math on the High Seas

A common complaint from those not fond of math is that there is no use for math, why should I learn it? Well, in our expedition we found this far, far, pretty much everywhere. When you shop for food, you need to know how much things will cost. When you drive your car, you need to know how much gas will cost. When you buy clothes, you need to know how much they cost. Math is used in almost every aspect of life.

Upcoming fall workshops will be listed on our website. Click here to see exciting discoveries we have made this year.

Note: This workshop is an adaptation of the previously titled "Strategies for teachers of multicultural students." We have added new topics and examples for the classroom to enhance learning and boosting ocean science literacy. Description of and/or examples in some ocean-related topics are also included. We have added various hands-on activities offered around the country to correspond with the theme of our education initiatives.

Image of the Month

Sea Star at Lunch

During the Pacific Oceana 3000 expedition we observed over 90 species of deep sea star species alive in their natural habitat. This image shows how abundant the starfish population can be.

One such structure within sea stars is called a pedicellaria. In some species, such as the brisingids and their relatives (such as the sea cucumber), polystyrene cups are expanded polystyrene and informally called in science as a scientific instrument which is sent down into the deep ocean.

Watch the ROV Deep Discover’s live video feed on your computer. 

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