

Bring Your Daughters and Sons to Work Day 2011

Activities for 10 – 12 Year olds

RED Track

Office: NOS NCCOS

Title: Ocean Bingo

Let's play bingo! Win prizes while learning about weird and wonderful ocean and coastal critters and issues that affect the environment.

Office: OMAO

Title: Adventures with the NOAA Corps

What's it like to command a ship, or fly an airplane through a hurricane or over rugged mountains and coastal waters? Did you know NOAA has its own commissioned service, similar to the military? Some officers are ship captains and airplane pilots, and they live for adventure!

Participants in this workshop will learn about NOAA Corps officers and their experiences at sea and in the skies. See how fast you can get into a survival suit used aboard NOAA ships and planes--it could save your life someday!

Office: NOS NCCOS

Title: Coral Reef Ecology

Coral reefs are some of the most biologically rich and economically valuable ecosystems on Earth. They provide food, jobs, income, and ecological protection to billions of people worldwide. Yet they are threatened by over use, pollution, habitat loss, invasive species, diseases, bleaching and global climate change. NOAA's Coral Reef ecologists are working to help protect these fragile ecosystems.

Participants will find out what it's like to be a coral reef ecologist. They will see how NOAA scientists measure biodiversity and how scientists explore the ocean to get important ecological information. Participants will get to experiment with tools used in data collection, learn about how fish and divers float and swim, discover what makes fish unique and adapt to their environment, and see how they compare to what NOAA scientists really see when they're at work underwater. They will also get to see what kind of SCUBA gear and scientific equipment NOAA scientist's use in their quest to measure the ocean's diversity.

BLUE Track

Office: OAR Office of Exploration

Title: Exploring the Mysteries of the Unknown Oceans

New technology and tools allow scientists to explore mysteries of the deep ocean in areas never before accessed, and they have found hundreds of new species and even new ecosystems. Yet, 95% of Earth's ocean remains unexplored.

Participants will learn about ocean expeditions to undersea volcanoes on the Pacific Ocean's "Submarine Ring of Fire," and take a Web-based virtual fly-through of black chimney smokers in the Magic Mountain vent fields. They'll touch an example of "alien" life based on chemicals, and see the results of water pressure at great depths.

Office: NWS OCWWS

Title: Xtreme Weather

NOAA's National Weather Service issues warnings for heavy snow, freezing rain, high winds, flash floods, river flooding, thunderstorms, tornadoes, tropical storms, and hurricanes...oh my! Severe or hazardous weather can threaten life and property. Participants in the Xtreme Weather workshop will learn about the dangers of extreme weather through games, interactive activities, and animations.

Office: NOS NCCOS

Title: Squid Stuff!

What animal can change color in a second, squirts ink, is jet propelled, and is delicious to eat? The squid, of course! We'll be getting up close and personal with these critters, learning about how they live and dissecting them to see what they look like when they aren't breaded and deep fried!

GREEN Track

Office: NOS Estuarine Research Division

Title: Drawing Cartoons!

Being able to draw cartoons is one of the great pleasures of life. Learn how to draw cartoon fish and animals together. This class will provide everyone with the basics of cartoon drawing, tools and materials, insider hints, tips and techniques. Join US!

Office: NOS Marine Debris Program

Title: Marine Debris Jeopardy

Who can solve the problem of marine debris? What is completely man-made and can travel long distances to our oceans? What has been mistakenly called an "island of trash" in the middle of the Pacific Ocean? Bring friends and play our Jeopardy-style game to learn about where marine debris comes from and why you are the key to solving this problem in our oceans. You'd be amazed at how much you may already know! All participants will receive MDP takeaways.

Office: NOS Education and NOAA Teacher at Sea

Title: You Are What (and Who) You Eat!

You go fishing on a clear day. The water looks clean and the fish are biting. You catch your limit and all is good.

How did the fish you caught get so big and what did the fish you caught eat? Become a fish and part of the oceans' food web ...will you be predator or prey? Is the biggest fish always the "winner"? Come spend time "swimming in our ocean" and find out some interesting facts about the fish that inhabit our ocean and the influences we have on their environment.