

Bring Your Daughters and Sons to Work Day 2013

Workshops for 10 – 12 Year olds

Bring a Child to Work Day is almost here!

Overview - Signing up for workshops:

The 10-12 year olds have a great set of workshop options this year. Please read the Workshop Registration Directions and descriptions attached to this document. If you have received more than one e-mail, it is because you have registered more than one child in this group. The two younger age groups (4-6s and 7-9s) do not “choose” their activities because they have a predetermined set of thematic stations to rotate through during the morning. In other words, they “do it all” – how cool is that?

There are three workshop tracks, and each track is identified by a different color. Each participant rotates through the workshops within their chosen track. To make the workshops as interactive and engaging as possible, each workshop has limited space. Once a track reaches maximum capacity, a participant is assigned to their 2nd choice. Most participants receive their first choice, and I rarely have to dip into a third choice.

Event Day procedures:

Please check-in your 10-12 year old participant(s) at the tables in the SSMC Science Center area between 7:30 - 8:30 am on Thursday, April 25. (7-9s and 13-18s also check in here; 4-6s check in at the 2nd Floor conference room in SSMC2.) Following check-in, return to your office! Your participant will attend a morning program in the auditorium and be escorted by NOAA chaperones throughout his or her workshops. Participants are escorted back to the Science Center courtyard following their workshops. Please pick up your child on time at NOON from the Science Center courtyard and lobby area. This will help ensure your child’s safety and everyone’s peace of mind. You may be surprised how unsettling it can be for “unclaimed” children! The chaperoned portion of the day concludes at this time.

Following lunch on your own, optional afternoon activities include an Ice Cream Social in the Science Center at 1:30 pm and a movie in the auditorium from 2:30 to approximately 4:00 pm. The NOAA Gateway Exhibit, Street Level SSMC2, will be open for visitors from Noon to 4:00pm.

Workshop Registration Directions:

Participants, sponsors or parents -- please review all three workshop track options found on the attached pages – RED, BLUE, GREEN.

Rank the track (color) in order of interest: 1 being your top choice, 3 being your last choice. Remember that you will be attending only the workshops within the color track you choose. You may send a single e-mail response for multiple children if you like. However, please indicate ranking preferences for each child you have registered and include their name with their ranking request.

All efforts will be made to accommodate your first or second choice, however all assignments will be made on a first come, first assigned basis.

Please email your participant’s ranked preferences to me at Jeannine.Montgomery@noaa.gov no later than COB Monday, April 15. I will be on business travel April 9 – 14 and have only limited email access at that time, so you will not receive an immediate reply. I will process responses in order as they land in my email and send confirmations when I return to the office!

On behalf of the BCWD Executive Committee, we’re excited about this year’s event and are looking forward to meeting all of your kids!

Jeannine Montgomery, Manager for 10-12 year olds

RED Track

Office: NCCOS

Title: Game of Life – Narwhal Edition!

Learn about the weird and wonderful Narwhal, legends from its past, the tooth trade, changing life in the far North and issues that affect both the environment and the Narwhal's survival. Win at the game of life!

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: NCCOS CCMA

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 and Research

Title: Exploring the Mysteries of the Deep Ocean

Explore the mysteries of the deep ocean in areas never before seen, where explorers use new technology and tools to find new species and map sea mountains. 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," learn how sound can create 3D maps of the seafloor and the water column, and see video of a variety of strange and beautiful ocean animals that live in Indonesia's deep ocean. They'll touch an example of "alien" life based on chemicals, see the results of water pressure at great depths and learn how they can see--on their own computers-- live images from the seafloor thousands of miles away.

Office: NOAA Office of Education

Title: Build a Buoy!

Can you break the “golf ball record” today? Exercise your need to think creatively while you design, build, and test a model buoy like the observation buoys in the Chesapeake Bay. Discover ideas about symmetry, buoyancy, and balance while you play. Learn about different kinds of buoys and how they help us navigate safely, predict tides, storms and tsunamis, and monitor the health of coral reefs.

Office: NCCOS CCMA

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 CO-OPS

Title: Build a Buoy!

Can you break the “golf ball record” today? Exercise your need to think creatively while you design, build, and test a model buoy like the observation buoys in the Chesapeake Bay. Discover ideas about symmetry, buoyancy, and balance while you play. Learn about different kinds of buoys and how they help us navigate safely, predict tides, storms and tsunamis, and monitor the health of coral reefs.

Office: NWS HQ

Title: Staying Safe....Weather Service Style!

NOAA's National Weather Service issues warnings for heavy snow, freezing rain, high winds, flash floods, river flooding, thunderstorms, tornadoes, tropical storms, and hurricanes. Get familiar with preparing for severe weather, flooding, emergency response and what you should do to be ready!

Office: NOAA Education and Knauss Fellows

Title: Web of Life

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.