



NASA, NAVY, and NOAA

# TAKE OUR DAUGHTERS TO WORK DAY

Thursday, April 25, 2002

## Registration Form

*Instructions:* Please provide the following information to register yourself and a child to participate in the Wallops Island NASA/Navy/NOAA Take Our Daughters to Work Day. The Federal Women's Programs of NASA, SCSC, and NOAA encourage schools not to count this day as an absence for youth who participate.

### FOR THE SPONSOR:

\_\_\_\_\_  
Name Code Building Extension  
will sponsor a child for Take Our Daughters to Work Day. I will be bringing:

Name: \_\_\_\_\_ Grade: \_\_\_\_\_ School: \_\_\_\_\_

### FOR THE CHILD'S PARENT(S) OR GUARDIAN(S):

I give my permission for (Name) \_\_\_\_\_ to participate in Take Our Daughters to Work Day at NASA, NOAA, and SCSC, Wallops Island on Thursday, April 25, 2002.

\_\_\_\_\_  
Parent/Guardian Signature Emergency Phone # Date  
I hereby grant the United States through NASA's Goddard Space Flight Center/Wallops Flight Facility and Navy's Surface Combat Systems Center, or National Oceanic and Atmospheric Administration (hereafter "Wallops Flight Facility") and also grant any other entity acting in association with Wallops Flight Facility, all rights in any photographic portraits and pictures taken of my child, which may be used in any form and for any purpose whatsoever, alone or with other materials. I agree that Wallops Flight Facility and such other entities may use such materials without my approval or review, whether before or after such use. I hereby waive any right of privacy I might have in such materials. I agree that neither I, nor anyone representing me, nor any of my successors or assigns, shall file any claim as a result of the taking or use of such photographic portraits and pictures authorized hereby. As the parent or guardian of the above-named minor, I consent to this Agreement and Release.

\_\_\_\_\_  
Parent's Signature

### FOR THE CHILD'S SCHOOL<sup>1</sup>:

I understand that (Name) \_\_\_\_\_, (Grade) \_\_\_\_\_, will be participating in Take Our Daughters to Work Day at NASA, SCSC, and NOAA, Wallops Island, on April 25, 2002.

- This will count as a field trip instead of an absence.
- This will count as an excused absence.
- This will count as \_\_\_\_\_.

\_\_\_\_\_  
Teacher/School Official Signature Title Date

**Return your completed form by April 5**

**to Pam Pittman (N-161), Debra Clark (NOAA), or Marilyn Ailes (Q-29)**

**PLEASE NOTE: No late registrations can be accepted due to security constraints.**

## ACTIVITY LIST

<sup>1</sup> School concurrence is a convenience for the youth and parents, but is not required by the Government.

## Take Our Daughters to Work Day April 25, 2002

### ***I. Morning Activities:*** Rank by order of preference.

- \_\_\_ **Catch the Wind!:** Build your own sled kite and watch it soar in the sky. Learn how to use a clinometer and simple trigonometry to calculate your kite's altitude.
- \_\_\_ **Environmental Engineering:** Learn about recycling and recycled content products. Make new items from trash and perform experiments on various recycled content products. You'll be able to take home your projects and what you learned.
- \_\_\_ **Marine Biogeochemistry:** Conduct a series of tests (dissolved oxygen, chlorine, chloride, pH, temperature, conductivity) to compare ground water, drinking water, and ocean water on a qualitative and quantitative basis. Examine phytoplankton, the base of the marine food web, and learn their importance in relation to global change and their role in the global carbon cycle.
- \_\_\_ **NOAA:** Make your own "Sling Psychrometer", also called a "Hygrometer", and learn how to measure and calculate the relative humidity. Take a tour of our station and the "Antenna Farm". See technicians working with GOES (Geostationary orbiting environmental satellites), POES (Polar orbiting environmental satellites), and positioning antenna(s) for tracking satellite(s). See real-time data through infrared (IR) images that provide information about the temperature of the clouds and the Earth's surface.
- \_\_\_ **Programming Robotics:** Program a robot's sensors and motion to solve engineering problems.
- \_\_\_ **Rescue & Weapons:** Learn how our local heroes work: fire, emergency, rescue, spill control, and decontamination. Then run a mock battle scenario in an AEGIS ship's Control & Information Center. Tour the AEGIS weapons testing and engineering facility, including virtual reality labs, the ship's bridge, and a teleconferencing center.
- \_\_\_ **Space Shuttle Educational Projects:** Students will learn about the Space Experiment Module (SEM) and Get Away Special (GAS) programs that fly educational experiments in the cargo bay of the Space Shuttle. In addition, students will have the opportunity to prepare and integrate an experiment into one of the SEM experiment modules that may fly on a future Shuttle mission.

### ***II. Lunch:*** (With your sponsor)

- \_ We will eat lunch at the Navy galley (cost is \$3.25).
- \_ We will eat lunch at the NASA cafeteria (cost varies).
- \_ We will eat lunch elsewhere.

### ***III. Afternoon Activities:*** Rank in order of preference the activities in which you wish to participate. The sponsor is responsible for transportation.

- Stay with Sponsor: \_\_\_\_\_ (Amount of time)

- \_\_\_\_\_ **Flight Modem Demonstration:** Hands-on workshop to learn about data communications with rockets and other vehicles
- \_\_\_\_\_ **GPS Mapping Demonstration:** Mapping, data collection, processing data using AutoCAD, an advanced design program.
- \_\_\_\_\_ **NASA's Tracking Station:** Learn about sub-orbital rockets that go up and must come down, orbital satellites which go into Outer Space and beyond, and meteorological balloons that predict the weather.
- \_\_\_\_\_ **NASA's Visitor Center:** De-integration and planting of wildflower seeds that flew on Space Shuttle (STS-108). Seeds were prepared at the Space Experiment Module (SEM) at last year's TODTWD.
- \_\_\_\_\_ **Panel Discussion:** A panel of women share stories about the importance of doing your best at your work no matter what the occupation is.
- \_\_\_\_\_ **Programming Robotics:** Program a robot's sensors and motion to solve engineering problems.
- \_\_\_\_\_ **Tour of NASA's control center:** Participate in a mock launch at the consoles where launches are monitored and directed.
- \_\_\_\_\_ **Ultra-Long Duration Balloons:** See a small balloon and learn about the inflation process. Handle the materials which make these balloons, and watch a 5 minute video of a launch. You may even see the ground station.

-----  
*For Government Use Only*

Date received: \_\_\_\_\_ Track: \_\_\_\_\_

PM: \_\_\_\_\_