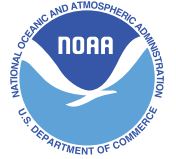


ROV Teacher Workshop

January 10-11, 2004

Santa Barbara, CA



Are you interested in learning about Remotely Operated Vehicle (ROV) technology and its application in ocean studies? Want to put together a high school student team to participate in a regional ROV competition?



The crew of a NOAA oceanographic ship deploys a Phantom ROV during a research cruise in the Gulf of the Farallones National Marine Sanctuary. Photo credit: Jamie Hall

If so, we invite you to participate in the Remotely Operated Vehicle (ROV) Teacher Workshop held in Santa Barbara, CA on January 10-11, 2004.

Teacher participants will:

- 1) discuss how ROV technology can be infused in high school curriculum tied to state and national standards using Cabrillo High School's Marine Technology Institute as a model;
- 2) be introduced to ROV technology and how it is used for research, monitoring and exploration in national marine sanctuaries;
- 3) be provided an overview of the Marine Advanced Technology Education (MATE) Center and their regional and national student ROV competitions;
- 4) tour the Marine Technology Diving facilities at Santa Barbara City College, explore the Santa Barbara Maritime Museum, and enjoy an evening reception at the Cabrillo High School Aquarium;
- 5) gain experience building a ROV from PVC materials using the MATE activity and get connected with a technology mentor;
- 6) and watch a demonstration of ROV technology aboard the NOAA research vessel, *Shearwater* during a coastal cruise.

The ROV Teacher Workshop will be hosted by the Channel Islands National Marine Sanctuary, MATE Center, UCSB Marine Science Institute, Santa Barbara City College Marine Technology, Cabrillo High Aquarium and Santa Barbara Maritime Museum.



This drawing demonstrates a ROV hovering over a boulder field in the Stellwagen Bank National Marine Sanctuary off the coast of Massachusetts. Credit: Mary Jane Brush/NURC-UConn

**Please Submit
Application to:**

Laura Francis
Channel Islands
National Marine Sanctuary
113 Harbor Way
Santa Barbara, CA 93109

Email: laura.francis@noaa.gov
Phone: 805.884.1463
Fax: 805.568.1582



**Remotely Operated Vehicle Teacher Workshop
January 10-11, 2004**

Brief Application

Presented by NOAA Channel Islands National Marine Sanctuary, Marine Advanced Technology Education (MATE) Center, Santa Barbara City College Marine Technology, UCSB Marine Science Institute, Santa Barbara Maritime Museum and Cabrillo High School's Marine Technology Institute.

Application must be submitted by December 19, 2003

NAME _____

HOME ADDRESS _____

MAILING ADDRESS FOR MATERIALS

EMAIL ADDRESS _____

HOME PHONE _____ FAX NUMBER _____

SCHOOL NAME _____

PRINCIPAL'S NAME _____

SCHOOL ADDRESS _____

SCHOOL PHONE _____ SCHOOL FAX _____

SCHOOL DISTRICT _____

GRADES AND CLASSES YOU TEACH

YEARS OF TEACHING EXPERIENCE _____

ACADEMIC DEGREES EARNED:

Institution	Year	Degree	Major
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

APPLICATION DETAILS

On a separate sheet of paper, please include a brief summary of how you propose to incorporate ROV technology and marine themes into your curriculum during the school year.

There may be limited funding to support travel expenses for teachers traveling from a distance to participate in the ROV Teacher Workshop. If I were to participate in the workshop, I would be interested:

Travel Lodging

Statement of Intent

I understand that I agree to participate in the ROV Teacher Workshop, and will be expected to attend the January 10-11, 2004 workshop. If I must cancel, I will send written notification to the address listed on the first page of this application by January 5, 2004. I also agree to organize a student team with the support of a technology mentor to build a ROV that would have the potential to participate in one of the regional student ROV competitions held in San Diego and Monterey, California.

Signature

Date

New Update

The MATE Center/Marine Technology Society ROV Committee national student ROV competition will be held at the University of California, Santa Barbara on June 25-27, 2004.

The Remotely Operated Vehicle (ROV) Teacher Workshop is sponsored by the following organizations:

