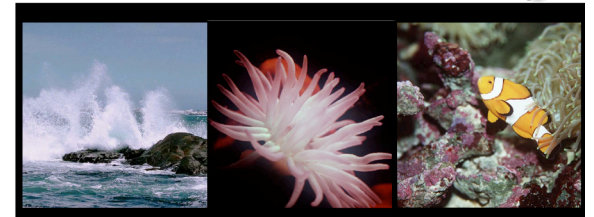


University of Hawai'i at Mānoa
Nā Pua No'eau
Center for Microbial Oceanography:
Research and Education (C-MORE) &
Ka 'Imi 'Ike Program
invites you to...

⁶ Ohana Day



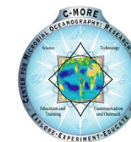
Kilo Moana "Studying the Ocean"

University of Hawai'i at Mānoa

POST Building

December 6, 2008

8:30am-1:30pm



Mahalo to the Office of Hawaiian Affairs and the US
Department of Education for funding

Nā Pua No'eau programs.

Mahalo to National Science Foundation for funding
C-MORE programs.

Instructions on How to Get to the Pacific Ocean Science & Technology (POST) Building:

1. Take the University exit.
2. As you head ma uka, take your first right at Dole Street.
3. As you head Diamond Head way on Dole St., take a left at the second traffic light into the campus.
4. Take your first left and park your vehicle in the parking lot. You will have to walk to the guard shack and get a parking ticket (\$3 entry fee),
5. We will have signs posted for you to follow to POST Building.

Reminders

*Due to our lunch count, all registration forms must be faxed/received, no later than **November 21, 2008.**

** Please call our office if you think we will not receive your form by this date.*

*All 'Ohana Day participants must be registered with NPN to attend our event. (New families are welcome to attend, we just need them to give us a call for our General Application Form).

*Wear covered shoes and dress comfortably!

Return your application to:

Nā Pua No'eau
2600 Campus Road QLCSS 406
Honolulu, HI 96822
FAX 956-9240

Feel free to call us at 956-9410, if you have any further questions.

Nā Pua No'eau
Center for Gifted and Talented Native Hawaiian Children
2600 Campus Road QLCSS 406
Honolulu, HI 96822

Aloha mai...

Please join us for a day of exploration and discovery for the entire 'ohana as we learn about the fundamentals of oceanography through hands-on, interactive, culturally based learning activities that will surely be fun for all.

Schedule

8:30am Registration at POST Building
 8:45-9:15am Interactive Displays & Welcoming

Interactive Displays:

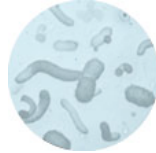
Chlorophyll Lab, Ocean Acidification, Microbe Races, & more from our partners: SeaGrant, PACIOOS, IYOR, HCRI, HIMB, & NSF GK-12

(Visitors parking available for \$3)

9:30-12:30am Rotations

K-6 & 'ohana:

1. Murder Mystery
2. Nautical Knots
3. UV



7-12 & 'ohana:

1. Chlorophyll Lab
2. Plankton Lab
3. Wave Tank/Circulation
4. Water Quality Testing



* Rotations are 35 minutes long.

12:30-1:30pm Lunch, Evaluations, Wrap-up & Interactive Displays

* Provided by Nā Pua No 'eau

Class Descriptions

K-6 & 'ohana

1. Marine Mystery:

Seymour Coral was found dead and his symbiotic algae are missing. Help find the culprit in this marine mystery experience.

2. Nautical Knots:

Have you ever considered a career as a marine scientist or crew member on board a research ship? Come learn some practical knots that you can use every day and also while at sea.

3. Ultra -Violet Radiation:

Why do you need to wear sunscreen? Join us to learn about UV radiation, and how you can protect yourself from these harmful rays.

7-12 & 'ohana

1. Chlorophyll Lab:

Explore what enhances the growth of phytoplankton by analyzing the amount of chlorophyll in seawater samples collected from different locations.

2. Plankton Lab:

Explore and identify the tiny plant-like organisms (phytoplankton) and animals (zooplankton) that live in Hawai'i's oceans.

3. Wave Tank/Circulation:

Through the use of a wave tank, learn how the effects of wind, weather, and waves can change the kai.

4. Water Quality Testing:

Want to be a scientist for a day? Help us conduct some simple tests to determine the health of our waterways.

Due: 11/21/08

Grade (or write in 'ohana)

First

Last

Parent/Guardian signature: _____ Phone #: _____

"My child(ren) is/are eligible to participate in this Nā Pua No 'eau program, because he/she is of Hawaiian ancestry. I hereby accept full responsibility for and identify, release and discharge the University of Hawai'i, its officers, agents and employees from any and all claims of actions for property damage, and/or personal injury which may result from my failure to abide by established safety rules and precautions, or from any inherent risks in said activity and cover all Nā Pua No 'eau activities in which my child(ren) participates. I also hereby authorize the University of Hawai'i/Nā Pua No 'eau/C-MORE to use my child's name and video/photo/voice taken of my child at any time or in any manner in connection with the University of Hawai'i/Nā Pua No 'eau advertising, publicity and public relations programs."