

UNIVERSITY OF HAWAI‘I

Hanauma Bay Education Program
Sea Grant College Program
School of Ocean and Earth Science and Technology

June 5, 2009



Hanauma Bay Education Program
Teacher Workshop: High School and Middle School Science
Koko Head Elementary & Hanauma Bay Nature Preserve
July 15 & 16, 2009: 8am-3pm

To: Oahu high school and middle school principals and teachers

From: Elizabeth Kumabe, Education Leader, Hanauma Bay Education Program(HBEP)
Anne Rosa, Hanauma Bay Education Specialist

Oahu secondary school teachers are invited to participate in a workshop focusing on biology and marine science curriculum aligned to HCPS III and the Benchmark Maps. This workshop trains teachers to use curriculum written for the marine environment of Hanauma Bay Nature Preserve. We will ensure that teachers are familiar with the materials and services provided by the UH Sea Grant Hanauma Bay Education staff to support standards-based marine education and for more effective education use of the City and County of Honolulu's Hanauma Bay Nature Preserve.

Teachers are expected to:

- Engage in collaborative planning with **HBEP** staff to optimize the Hanauma Bay experience
- Utilize pre-visit tool kits to prepare students for the field trip
- Deepen their concept understanding appropriate to their grade level benchmarks
- Enforce protocols for on-site visits to Hanauma Bay Nature Preserve
- Debrief field trip with summative assessment tasks to document student learning

The two-day workshop will take place at Koko Head Elementary and Hanauma Bay on July 15 & 16 2009, to clarify the above expectations, review curriculum materials and provide necessary concept elaboration. At the session, all participants will receive the following materials to help them prepare for field visits to the bay at no additional cost:

- Selected **HBEP** curriculum units: Middle School Science, High School Biology/Marine Science
- **HBEP** Fish Identification Card
- **HBEP** Fish Identification Coloring Sheets
- DVD on the *Geology of Hanauma Bay* & CD listing marine resources
- Other valuable resources to support science education

Deadline EXTENDED: June 19, 2009. Fax or email the application form to attn: Anne Rosa, HBEP Education Specialist at 395-0468 or hanauma@hawaii.edu.

You can reach us via telephone or email: Hanauma Bay Education Program: 397-5840, Anne Rosa: annerosa@hawaii.edu or Liz Kumabe: kumabe@hawaii.edu.

The Hanauma Bay Education Program is conducted by the University of Hawai‘i Sea Grant College Program, School of Ocean and Earth Science and Technology, with generous funding from the City and County of Honolulu Department of Parks and Recreation.

100 Hanauma Bay Road • Honolulu, Hawai‘i 96825
Telephone: (808) 397-5840 • Facsimile: (808) 395-0468

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Hanauma Bay Education Program
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Hanauma Bay Education Program Teacher Workshop July 15 & 16, 2009: 8am-3pm

Application form

School: _____ Phone: _____

Address: _____ Fax: _____

The following teacher(s) will participate in the Hanauma Bay Education Program workshop on July 15 & 16, 2009:

Name of Teacher (s)	E-mail Address	Subject Teaching and/or Grade Level

Lead Teacher: _____ Home Phone: _____

Lead Teacher School Phone: _____ Fax: _____

Lead Teacher Email: _____

Principal's Signature: _____ Date _____

**Fax to: 395-0468 or Scan & Email to: hanauma@hawaii.edu
attn: Anne Rosa, Hanauma Bay Education Specialist
By Friday, June 19, 2009**

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