

Curriculum Research & Development Group

PROFESSIONAL DEVELOPMENT FOR TEACHERS

Teaching Science As Inquiry: Aquatic Science

This professional development gives participants an opportunity to explore the biotic and abiotic aspects of our water planet, including integrated study of ecology, and human impacts on the environment. Because everyone relies on water in some way, the activities are very adaptable to a wide variety of aquatic habitats. Activities include investigations of sand and sand forming processes, fish form and function, and pollution.

The instructional materials are built around laboratory studies. The class is conducted as a community of working scientists with the instructor as the principal investigator.

PARTICIPANTS WILL HAVE THE OPPORTUNITY TO DEVELOP SKILLS IN THE FOLLOWING:

- Scientific Inquiry—observation, hypothesis generation, experimentation, and analysis
- Lab Skills Development—apparatus manipulation, information collection and data analysis techniques
- Verbal/Written Reporting—presentation, documentation, and referencing of findings
- Problem Solving—identification, research, and eventual understanding
- Community Participation—working with others, taking on responsibility, asking for and acknowledging help, showing respect for self and peers
- Reflection—contemplating sources of error and alternate explanations for observations and results

Hawai'i participants' course fees are covered by STEM grant funding. Participants who successfully complete this course will also receive a \$150 stipend.

TSI Aquatic Science

Dates/Times: June 23-24, 2008, 9:00 a.m.–3:00 p.m.

Location: Honolulu, HI, exact location TBA

Cost: FREE for Hawai'i Teachers! (Course fee paid by grant)

To register contact Erin Baumgartner at erinbaum@hawaii.edu or call 808-956-4439.

University of Hawai'i at Mānoa, College of Education



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& services for preschool through grade 12*

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