

Teaching Science as Inquiry: Aquatic Science Professional Development Series & Research APPLICATION

MAUI COUNTY Cohort: 2011-2012

This is an application to enroll in a four-part series of Aquatic Science professional development modules and to participate in a research and evaluation study being conducted by the University of Hawaii's Curriculum Research & Development Group (CRDG). If selected to participate, you will be eligible to earn professional development credits from the HI Department of Education for your completion of each module, to earn a stipend for your participation in and completion of module review and evaluation, and to earn a certificate of completion. A portion of the evaluation will involve interviews and classroom observation. Only 12 teachers will be chosen to participate in this unique professional development experience.

Please type or print clearly all information. Application deadline: Postmarked by June 15, 2011

Application requirements:

- Completed application form
- One-page statement of interest
- Letter of recommendation (from principal or colleague)

Mail application to:

TSI Aquatic PD OAHU, c/o Dr. Kanesa Duncan Seraphin
1776 University Ave. Castle Memorial 132, Honolulu HI 96822

I. General Information

Applicant name: _____

Primary email address: _____

Secondary email address (accessible during summer): _____

Home mailing address: _____

Street / City / State / Zip

Home phone: _____ Cell phone: _____

School where you will be teaching in 2011–2012: _____

Subjects and corresponding grade level(s) you will be teaching in 2011–2012:

School type: public private

Number of years experience: classroom teaching: _____ science teaching: _____ at current school: _____

Area of certification: _____

Degrees earned: _____

In an average week, how often do your students engage in laboratory or field work during class time? _____ days

Please tell us how you heard about this opportunity:

II. Science Inquiry and Professional Development

How many professional development courses have you taken in the past 5 years? _____

Have you ever taken a Curriculum Research & Development Group (CRDG) professional development course (including a TSI based course)? If so, please list the courses and/or describe them if you cannot remember their names.

CRDG course and date: _____

CRDG course and date: _____

CRDG course and date: _____

CRDG course and date: _____

Describe the context in which you teach ocean-related disciplines and how you anticipate using the material learned in this professional development series.

Rate your knowledge of Aquatic Science Content:

Physical	Not familiar	<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	Very knowledgeable
Chemical	Not familiar	<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	Very knowledgeable
Biological	Not familiar	<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	Very knowledgeable
Environmental	Not familiar	<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	Very knowledgeable

For the courses that are offered during school days (i.e. the Friday courses - you will notice that for the main course portion, we have scheduled them for a Friday/Saturday), we will provide your school with money to cover substitute fees. Please indicate:

1. Will you need substitute fees for your school? Yes No I think so I don't know

2. Please tell us the substitute rate for your school if you know it: _____

III. Statement of Interest

Please tell us about yourself, why you are interested in participating in this professional development series in Aquatic Science, and your philosophy on teaching science through the process of inquiry. Your statement should be less than 1 page, single-spaced.

IV. Schedule and Program Participation Highlights

MAUI COUNTY COHORT in Kihei

This professional development series will include four modules, each with a two-day course, an online forum component, an in-person 3-hour follow-up meeting and an online follow-up meeting through Elluminate. The series will begin in August 2011 and end in summer of 2012. All four modules will be held at the NOAA Sanctuary office: the Hawaiian Islands Humpback Whale National Marine Sanctuary Office in Kihei.

Module	Dates and Times	Activity Highlights
1: Physical Aquatic Science		
Pre-course surveys	Prior to Aug. 12, 2010	Take online survey, give students survey
2-day course	Aug 12-13, 2011; 9 am - 5 pm	Learn TSI pedagogy, explore curriculum content and activities
Online coursework	August - September (ongoing)	Complete and post: 2 lesson plans, 2 reflections*, and teaching log. Give feedback to colleagues in online forum
Follow-up meeting - in person	Sept. 7, 2011; 5 pm - 8 pm	Group sharing, acquire more content
Follow-up meeting - online	Oct. 4 or 6, 2011; 5 pm - 7 pm	Share classroom implementation highlights
Post-module follow-up	After Oct. 7, 2012	Short online survey, turn in teaching log
2: Chemical Aquatic Science		
2-day course	Oct. 21-22, 2011; 9 am – 5 pm	Same as Module 1
Online coursework	October - Nov. (ongoing)	
Follow-up meeting - in person	Nov. 30, 2011; 5 pm – 8 pm	
Follow-up meeting - online	Jan. 3 or 5, 2012; 5 pm - 7 pm	
Post-module follow-up	After Jan. 6, 2012	
3: Biological Aquatic Science		
2-day course	Jan. 13-14, 2012; 9 am – 5 pm	Same as Module 1
Online coursework	January (ongoing)	
Follow-up meeting - in person	Feb. 1, 2012; 5 pm – 8 pm	
Follow-up meeting - online	Feb. 28 or Mar. 1; 5 pm - 7 pm	
Post-module follow-up	After Mar. 2, 2012	
4: Ecological Aquatic Science		
2-day course	Mar. 9-10, 2012; 9 am – 5 pm	Same as Module 1
Online coursework	March – April (ongoing)	
Follow-up meeting - in person	Apr. 18, 2012; 5 pm – 8 pm	
Follow-up meeting - online	June 12 or 14; 5 pm - 7 pm	
Post-module follow-up	After June 15, 2012	Take in-depth online survey, interview by evaluation team, final student assessment

*PDE³ participants will create 3 lesson plans and reflections and create a portfolio to complete requirements for each module.

V. Additional Items, Application Signature

You are eligible for both a \$300 stipend and PDE³ credit per module as part of this project. We need your participation in all four modules, however each module will be considered separately for stipends, PDE³ credit and evaluation purposes. The stipend is for your participation in our research project and evaluation. The PDE³ credit is for your participation in the professional development and completion of the HI DOE portfolio.

Note: Stipend is awarded upon completion of review and evaluation. Review and evaluation are mandatory. PDE³ credit is awarded (3 credits) for each module upon completion of course and portfolio; you may earn up to 12 credits total. PDE³ is optional.

Would you like PDE³ for one module? _____ All four? _____

You are expected to participate in all module activities on the scheduled dates. If you can not participate as scheduled, please indicate in which activities and why.

Molokai and Lanai Teachers

We will cover transportation and lodging expenses during the 2-day workshop series for a limited number of teachers coming from Molokai or Lanai.

Are you a teacher from Molokai or Lanai? _____ Will you require transportation and lodging? _____

Printed name: _____

Signature: _____

Date

I indicate that the information I have provided in my application is complete and accurate. I hereby apply to be a teacher participant in the CRDG TSI: Aquatic Science professional development series.