

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

BIG ISLAND 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

BIG ISLAND COHORT Waimea Civic Center

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. The location for the first module is Waimea. At the first module, you may provide input regarding location for the second, third and fourth module courses.

| Module | Dates and Times | Activity Highlights |
|--------------------------------------|---------------------------------|--|
| 1: Physical Aquatic Science | | |
| Pre-course surveys | Prior to Aug. 25, 2010 | Take online survey, give students survey |
| 2-day course | Aug 26-27, 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. 21, 2011; 5 pm - 8 pm | Group sharing, acquire more content |
| Follow-up meeting - online | Oct. 11 or 13, 2011; 5 pm-7 pm | Share classroom implementation highlights |
| Post-module follow-up | After Oct. 14, 2012 | Short online survey, turn in teaching log |
| 2: Chemical Aquatic Science | | |
| 2-day course | Nov. 4-5, 2011; 9 am – 5 pm | Same as Module 1 |
| Online coursework | December (ongoing) | |
| Follow-up meeting - in person | Dec. 7, 2011; 5 pm – 8 pm | |
| Follow-up meeting - online | Jan. 9 or 10, 2012; 5 pm - 7 pm | |
| Post-module follow-up | After Jan. 11, 2012 | |
| 3: Biological Aquatic Science | | |
| 2-day course | Jan. 27-28, 2012; 9 am – 5 pm | Same as Module 1 |
| Online coursework | February (ongoing) | |
| Follow-up meeting - in person | Feb. 22, 2012; 5 pm – 8 pm | |
| Follow-up meeting - online | Mar. 20 or 22; 5 pm - 7 pm | |
| Post-module follow-up | After Mar. 23, 2012 | |
| 4: Ecological Aquatic Science | | |
| 2-day course | Apr. 6-7, 2012; 9 am – 5 pm | Same as Module 1 |
| Online coursework | April - May (ongoing) | |
| Follow-up meeting - in person | May 2, 2012; 5 pm – 8 pm | |
| Follow-up meeting - online | June 19 or 21; 5 pm - 7 pm | |
| Post-module follow-up | After June 22, 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.

Lodging

We are covering lodging expenses for a limited number of teachers coming from Kona or Hilo sides of the island to stay in Waimea overnight during the 2-day course for Module 1.

Will you require lodging? _____ If so, why? _____

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.