OACIS GK-12: BRINGING MARINE SCIENCE INTO LOCAL HIGH SCHOOLS
(http://depts.washington.edu/oacis/)

Summary: Through the OACIS program marine science graduate students from UW will work with high school teachers and their classes, contributing subject knowledge to enrich classroom experiences while improving their own teaching and communications skills. You will partner with a marine science graduate student who will assist in your classes. For example, graduate students could help teach a component of the curriculum, set up demonstrations and student lab activities, develop new teaching modules, and act as a content resource for you and your students. Graduate students will put in, on average, 10 hours per week in your classroom, 5 additional hours per week preparing for class activities, and 1 hour per week meeting with you (during lunch/breaks, after-school, or over the phone).

Background: Due to its interdisciplinary nature, marine science can be used to teach basic science (biology, chemistry, physics) and mathematics, while taking advantage of our local coastal environments. Marine science is often a small part of K-12 curricula, yet this is an excellent stage at which to promote awareness of the oceans and our relation to them. UW marine sciences graduate students involved in cutting-edge ocean research are eager and well suited to bring their own research into local classrooms. These students can take part in biology, marine biology, and environmental science classes. They can help communicate what science is about, how it is done, and how discoveries are made. UW has received 5 years of funding to host a NSF GK-12 program.

Responsibilities (teachers must be able to commit to participation in all of these activities):

This workshop will provide teachers and graduate students a common learning experience to set the stage for collaboration during the following school year. The workshop will introduce ocean and coastal themes that can be used as interdisciplinary models in the classroom, and previous GK-12 participants will share their experience with the program.

Workshop: August 13-17 (TENTATIVE DATES) at UW’s Friday Harbor Laboratories (FHL).
This workshop will focus on marine science content and on planning for the upcoming school year. Teachers and graduate students will begin their work together, with OACIS GK12 coordinators, and marine science professors will be available for consultation. Teachers and graduate students will also spend time examining marine habitats and organisms, taking part in research cruises, and attending seminars on current research in the field of marine science. All travel and meals paid by the program.
(* Participants will be expected to arrive at FHL the evening of Monday August 13th)

Culminating workshop. June 24th-25th, 2013 in Seattle (exact dates may change)
This will be a follow-up session to share experiences and outcomes.
Academic School Year 2012-2013

Classroom Activities. Teachers will host marine science graduate students in their classrooms for ten hours per week through the school year. Teacher responsibilities include mentoring the graduate students as they carry out their duties in the classroom. Program coordinators will communicate regularly with teachers to make sure graduate students are engaged appropriately and are performing their duties as expected, and will meet with fellows bimonthly at UW.

Weekly Meetings between Graduate students and Teachers. Teachers will meet with graduate students for at least one hour each week to plan activities and to review progress during the previous week. This meeting will be in addition to the classroom hours regularly scheduled for the graduate students.

Quarterly Meetings with OACIS GK12 Coordinators. Teachers will meet quarterly with the coordinators and other participating teachers. These meetings provide opportunities for brainstorming and troubleshooting with other teachers participating in this program. Coordinators will visit the schools, and observe fellows in the classes.

Teacher Compensation (2012-2013):
- Approximately $5000 stipend for teachers. (This will help compensate for your summer work time and time working with graduate student)
- Workshop travel, lodging and meals will be covered (For workshops or other field trips that are part of the program)
- Possibility of travel support to present the work resulting from your teacher-graduate student collaboration at regional or national conferences.
- Opportunity to apply for clock hours for your participation in the workshops.

Application (DUE Friday Feb 15th):
Interested teachers should submit the following materials to Tansy Clay (OACIS Program Manager) at: tansy@u.washington.edu

1. Briefly answer the following questions:
   - Where do you teach?
   - What grade levels and subjects do you teach?
   - How long have you been teaching?
   - Are you able to commit to participate in the workshops, meetings, and to work with a marine science graduate student as outlined in this announcement?

2. In approximately 1 page briefly explain:
   a. Why are you interested in participating in this program?
   b. How do you envision incorporating a fellow into your class(es)?
   c. How do you envision the fellows content expertise supporting student learning in your class(es)?

3. Please submit a sample syllabus for the class(es) in which you envision working with a graduate student (this can be a syllabus for the same class from a previous year).

Note:
* The role of the marine science graduate students is to support and enhance classroom activities; they are not substitute teachers or teacher aides.
* Funding is contingent upon participation in the workshops, meetings, and working with a marine science graduate student as outlined in this announcement.
* By applying you agree to a required classroom observation by Susan Swan or Jen Fox, science coach, Seattle Schools.