



**CULMINATING PROJECT MENTOR LIST 2010-2011  
PROVIDED BY THE ENVIRONMENTAL SCIENCE CENTER FOR STUDENT PROJECTS**

**Guidelines-**

- ESC will link the students to the scientists/mentors; students should not attempt to contact the mentors themselves.
- ESC and/or the mentor will interview the students to determine a good match, it is not guaranteed.
- Availability is limited, so all students may not be accommodated, but we will do our best to link as many students to mentors as possible.
- Students must commit to follow through on the project they design with the mentor and ESC. Students will be evaluating the success of the program.

**For additional information, please contact Nicole Killebrew, ESC Program Coordinator at [kilnic17@aol.com](mailto:kilnic17@aol.com)**

**CULMINATING PROJECTS IN THE FIELDS OF ENVIRONMENTAL EDUCATION, NATURAL SCIENCES, SUSTAINABILITY, AND GREEN CAREER DEVELOPMENT**

- 1) Biology, Life Sciences, & Animal Husbandry-** Joy Neubauer, Barb Williams, and Darrell Williams, Seattle Aquarium

**Project Description-**

- Animal husbandry and care at the Seattle Aquarium
- Biology of marine organisms including fish, invertebrates, marine mammals, and birds
- Life science aquarist and exhibit maintenance

Schedule three half days (8:00 AM – 12:00 PM) “volunteer-shadowing” at the Seattle Aquarium during the period from December, 2010 to the end of school June, 2011. This is an opportunity to learn about the husbandry and care of marine organisms in captivity.

Each day will consist of 4 hours with a different Seattle Aquarium volunteer observing and assisting in three different marine habitats at the Seattle Aquarium- Pacific Coral Reef, Marine Birds, and Marine Mammals.

Assist at a minimum of one ESC sponsored community event (e.g. Nighttime beach walk, ESC Family Night at the Aquarium, Saturday restoration activity in Burien).

\*There are 3 slots available for this project

- 2) Invasive Species Removal, Habitat Restoration, & Environmental Education-** Kent Horton & Jean Spohn, Shorewood Park & Salmon Creek Ravine

Work at Shorewood Park and/or Salmon Creek Ravine to remove invasive species, plant native species, and help keep local streams clean and healthy for salmon and other wildlife!



#### Potential Project Descriptions-

- Native plant species identification and data collection.
- Organizing work groups to clear invasive plants from the forest and replant with native vegetation.
- Create an informational presentation about why planting native plants and removing invasive plants is important.
- Develop a classroom lesson or forest walk with an environmental teaching or educational component.

\*There are 2 slots available for this project

### 3) **Conservation, Ecology, Sustainability, Environmental Stewardship & Education-** Brook Alford, Duwamish Riverbend Hill Park & Hays Sweeney, Cascade Land Conservancy

Help with the restoration and care of the Riverbend Hill Park in Tukwila by removing invasive plants, learning about native plants, and gain community service hours by hosting a work party with friends and family.

#### Potential Project Descriptions-

- **Habitat Restoration-** Invasive plant removal and planting native species- take on your own plot of the park and design and implement a weed removal strategy (smothering using plastic, other fabric, hand removal, etc) and document your success.
- **Environmental Education-** Design and create a pamphlet describing the habitat at Riverbend Hill Park and describe the native plants present or planned for planting.
- **Community Service** - Create and run a restoration work party on the Hill.

Website describing the Riverbend Hill Park-<http://www.duwammishhill.org>

\*There are 2 slots available for this project

