

Beyond the Ivory Tower – Reaching out to the Community

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There are many ways to share your resources and knowledge with the larger community, either within your institution or outside to the public. These types of projects can be rewarding for everyone, including your own students, fellow faculty, and department programs.

Educating teachers (K-12)

Some opportunities...	
<ul style="list-style-type: none">• Placement of student interns• Recruitment of majors• Recruitment of teachers• Teacher training• Public education	<ul style="list-style-type: none">• Loaning or donation of materials• Shared curriculum development for basic skills and preparation• Making field trips more accessible• Community building
San Francisco Bay Area Examples	
<ul style="list-style-type: none">• BAESI (Bay Area Earth Science Institute) – Teaching teachers Geology• SFUSD (San Francisco Unified School District) teacher-training workshops• CCSF Teacher-Prep Center• CCSF Science Outreach Open Houses• Service-Learning and Science Clubs (outreach from our students to theirs)• CCSF Science Departments (night and weekend classes)	<ul style="list-style-type: none">• Center for Habitat Restoration (collaborates with local high school students)• CCSF – SFUSD joint Math Curricula• WISE – Workshops In Science Education• MASTEP – Math & Science Teacher Education Program (Community College and 4-year and High School Collaboration)• Hosting AP classes for local High School students

Collaborating with other departments and colleges in the area (4-year and 2-year)

Some opportunities...	
<ul style="list-style-type: none">• Placement of student interns• Research and job experience• Recruitment of Majors	<ul style="list-style-type: none">• Incorporation of research data into classroom• Funding for classroom data collection• Sharing resources (seminars, materials, etc.)
San Francisco Bay Area Examples	
<ul style="list-style-type: none">• University of San Francisco• University of California – Berkeley• University of California – Davis• University of California – Santa Cruz• University of California – San Francisco• Stanford University	<ul style="list-style-type: none">• San Francisco State University• Sonoma State University• California State University – East Bay• San Jose State University• City College of San Francisco• Other local community colleges

Collaborating with research groups

Some opportunities...	
<ul style="list-style-type: none">• Placement of student interns• Recruitment of Majors• Education in local issues	<ul style="list-style-type: none">• Incorporation of research data into classroom• Funding for classroom data collection• Research and job experience

Collaborating with research groups (cont.)

San Francisco Bay Area Examples
<ul style="list-style-type: none">• CALFED Bay Delta Program• State Department of Fish and Game• State Department of Water Resources• US Fish and Wildlife• Municipal Sewage Departments and Ports (like the Port of Sonoma, City of San Francisco)• Regional Effects Monitoring Program (State and Federal and Local) – Pollution watchdog• EPA / NOAA / USGS

Assisting in community science workshops (especially those for young children and minorities)

Some opportunities...	
<ul style="list-style-type: none">• Development of curricula• Loaning or donation of materials• Recruitment of majors	<ul style="list-style-type: none">• Training workshop leaders• Placement of student interns• Public education• Community building

San Francisco Bay Area Examples
<ul style="list-style-type: none">• Mission Science Workshop – A K-12 after- and in-school program for hands-on science projects – funded by NSF, local colleges, museums, and businesses.• Community college science classes

Getting involved with other local public-education institutions (like museums and aquariums)

Some opportunities...	
<ul style="list-style-type: none">• Placement of student interns• Loaning of display materials• Public education• Community building	<ul style="list-style-type: none">• Development and leading of local field trips• Assistance with display design• Assistance with curricula

San Francisco Bay Area Examples	
<ul style="list-style-type: none">• Aquarium of the Bay• Fitzgerald Marine Reserve• Berkeley Museum of Paleontology• California Academy of Sciences• The Exploratorium• California Coastal Conservancy• Oceanic Society (Farallons)• CCSF Life Through Time Display	<ul style="list-style-type: none">• Discovery Corner: Lawrence Hall of Science• The Bay Model• Tech Museum of Innovation• Chabot Space & Science Center• The Randall Museum• Coyote Point Museum• National Park Service• Marine Science Institute

Funding Resources (For more information on funding, refer to other sessions in this workshop.)

Where does funding come from?	
<ul style="list-style-type: none">• NSF• State Post-Secondary Commissions• State College Chancellor’s Office• Federal Department of Education	<ul style="list-style-type: none">• College grant office (meet with them for help with resources and grant-writing)• Private local and federal foundations, like Wells Fargo Foundation