

**CA B-WET FY 19: Santa Barbara Channel Bay Watershed**

Grant Recipient	Project Description	Funded Amount
<p>California State University Channel Islands (Student MWEE)</p>	<p><b>“Crossing the Channel (CTC)”</b>- The ultimate goal of CTC is to cultivate a new community of Santa Barbara Channel Watershed stewards and transform the learning experiences of local students by building a collaborative professional network of local resources (i.e. federal agencies, local school district, non-profits, and universities) that support MWEEs for underrepresented students both in middle school and undergraduate mentors. This project builds on the strong interdisciplinary and collaborative culture at CSUCI and applies it across academic levels to achieve excellence in STEM education by integrating real-world, project-based learning into a MWEE. Students, as members of hierarchical mentoring teams (i.e. middle school students, CSUCI undergraduates, and STEM Professionals), will engage in the STEM disciplines and actively participate in Santa Barbara Channel Watershed research by 1) designing and practicing data collection with professional research tools, 2) implementing long-term monitoring protocols, 3) analyzing historical data-sets, and 4) constructing scientific reports and outreach projects.</p>	<p>\$59,034</p>
<p>Multicultural Education for Resource Issues Threatening Oceans Foundation Inc. (Student and Teacher MWEE)</p>	<p><b>“Energy Efficiency to Mitigate Climate Change and Ocean Acidification (EECCOA)”</b>- The goal of this project is to expand and improve the EECCOA program, an existing high quality climate, energy and ocean literacy program for High School and Middle School teachers and their students by including schools not previously reached, and providing seed funding to committed schools for the implementation of the most cost-effective project proposals authored by their students such that the reduction of carbon footprint of their school campus becomes a reality.</p>	<p>\$59,996</p>
<p>Water Education Foundation (Teacher MWEE)</p>	<p><b>“Watershed Institute for Teachers: Understanding Systems, Respecting Cultures, Activating Students (WiT: SCS)”</b> - The WiT: SCS program is a teacher capacity building initiative. WiT: SCS will support 3 participant groups: 1) a professional learning cohort composed of 30 teacher-leaders, TOSAs, and early service secondary teachers; 2) the students of participating teachers, the next generation of watershed, coast, and CINMS stewards; 3) teachers and students throughout California via outreach materials featuring environmental stewardship success stories from the coastal zone watersheds and marine sanctuary. Our teacher cohort will enjoy 3 preparatory online webinar meetings, an intensive, one-week (40 hour) summer Watershed Institute and a minimum of 3 online and in person post – institute meetings to support integration of WiT: SCS learning practices and experiences into participant education programs. Cost sharing and complementary funding</p>	<p>\$59,666</p>

	will be provided by partner organizations in the form of in-kind services and/or use of facilities.	
Explore Ecology (Student MWEE)	<p><b>“Flows to the Ocean Project”</b>- The Flows to the Ocean Project is a comprehensive, hands-on watershed study designed for 5th graders from Santa Barbara County. Twenty teachers and five hundred students will participate in two in-class lessons, a minimum of 5 beach or campus clean ups, and three immersive field experiences designed to expose and educate students on current watershed issues. Students will become empowered to motivate their school community to take action and lead a campus clean-up at their school. In addition, twenty teachers and ten teaching credential candidates will participate in an “Educators on the Sanctuary” trip aboard the NOAA Shearwater to the Channel Islands National Marine Sanctuary.</p>	\$50,000