IDEASS-DROPS

General Information

Agency: **IDEASS-DROPS**

Sponsor: **Tamara Ball/Bob Minardi**

Sponsor Title: **Drought Response Outreach for School**

Email: **ideass@ucsc.edu**

Phone: **831-459-3104**

# of Interns/hours: **3-5 interns, 5-15 hr/wk**

Quarters Needed: **Fall, Winter, Spring**

Keep on file for 1 year

Prerequisites

- Curiousity about local watersheds and how they impact our ecosystem
- Interest in Life Lab curriculum
- Knowledge of sustainable design principles.
- Enthusiasm about creating sustainable water management systems and practices
- Initiative and time management skills.

Description of Internship

A collaborative involving UCSC's Impact Designs Engineering and Sustainability Program, the City of Santa Cruz Public Works & Planning Dept , Santa Cruz City Schools MADI architects and the State Water Resources Board is supporting the development and proliferation of municipal water management strategies including rainwater catchment systems and mitigating stormwater runoff.

IDEASS interns are invited to help develop a demonstration site at Bay View Elementary involving bioswales, rain gardens and rainwater tank - irrigation systems. Interns are also invited to help test new Life Lab curriculum designed to engage elementary school students with these landscape features and systems.

Join an interdisciplinary team of students in IDEASS working to find municipal solutions for water management - design a system and engage our community.

2018-2019 Highlights

- Work directly with local experts and professionals (architects, city staff, and mechanical engineers)
- Redesign blueprints for a new Bay View elementary Life Lab space to accommodate two rainwater tanks a greenhouse and irrigation system and garden beds
- Develop and test a hands on curriculum to feature system components aligned with Next Generation Science Stands and inspired by Life Lab pedaology.
- Install rainwater catchment systems and LID landscape features (rain gardens, bioswales) to mitigate the impacts of stormwater runoff
- Sample stormwater runoff and partner with staff at the water treatment plant to perform lab tests to monitor toxicity and pollution