



HOPKINS MARINE STATION

www-marine.stanford.edu

Faculty  
Stuart Thompson (PI), Biology Department  
David Epel (Co-PI), Biology Department



Students prepare to release a bird.

### Biological Field Studies

The project provides exciting opportunities for students to study biological field techniques and long-term research monitoring. Our **mammal studies** and **avian monitoring programs** teach students to identify many animal species and track the movement of migratory birds. Students contribute to nation-wide databases on avian migrations.

### Native Plants & Habitat Restoration

The Native Plant Program involves students in the complete restoration process, from seed collection, germination, and nursery care to the final out-planting stage. Restoration activities teach students about the importance of watershed health and stewardship of the land.



Planting seeds in the Native Plant Nursery.



Visitors to the Habitat's student-run nursery learn about Monterey County's native plants.

Our **student-run nursery** grows nearly 30,000 site-specific plants each year.



Collecting data on native bees.



Birdwatching in the amphitheater.

# Hopkins Ocean Literacy Program

in partnership with the Hilton Bialek Habitat

Researchers from Stanford's Hopkins Marine Station and the School of Education are working with teachers from the Hilton Bialek Habitat to teach K-12 students from underserved communities surrounding the Monterey



Girls peek into a tidepool and find a starfish.

Bay about the oceans, marine conservation and sustainability. Exciting and innovative outdoor hands-on learning experiences inspire a sense of wonder and increased environmental stewardship. The project will eventually reach well beyond Monterey County with a set of web-based tools that will help

students, teachers and parents around the nation better understand marine science and the central role healthy oceans play in the global environment.

**The future is today's youth. They need knowledge, skills, and inspiration to become active and engaged citizens dedicated to the stewardship of our earth.**



Collecting data at the beach.



Hopkins marine biologists work with visiting students to collect data and conduct research.

### Ocean HEROES Habitat/Hopkins Early Researchers and Ocean Environment Studies

These classes, taught by Stanford graduate students, introduce youth from the Monterey County **Boys & Girls Club** to oceanography, ocean ecology and

conservation, and the future of marine fisheries. Activities include **watershed explorations**,

pollution monitoring, ocean trash collection, plankton tow and drift help microscopic examination, and **student data collection** on indicator species such as birds and sand crabs. Students learn about the impact of human activity on ocean ecosystems.



Students visit the beach to look at tidepools.

#### Collaborators

Rich Shavelson, School of Education  
Ellen Fondler, Hilton Bialek Habitat  
Merrie Potter, Hilton Bialek Habitat



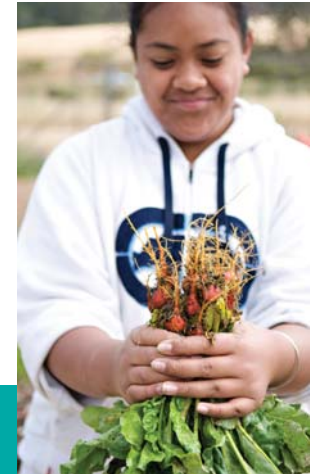
Winner of the Governor's Environmental and Economic Leadership Award for Environmental Education

Hilton Bialek Habitat

www.carmelhabitat.org

### Teaching Sustainability

The curriculum introduces students to sustainable and healthy lifestyle choices. The Habitat programs teach contemporary environmental issues, including climate change, energy, food systems, resource distribution, and the future of **green energy** design. These hands-on educational experiences foster an environmental ethic and understanding of how personal actions can affect the larger whole.



Harvesting beets from the Organic Garden.



Students harvesting lettuce in the Organic Garden.

### The Organic Garden

The Habitat's one acre organic garden offer students an extraordinary opportunity to deepen their understanding of the earth's natural cycles through **hands-on scientific explorations** of botany and ecology.



A quiet spot in the garden.



Kayaking at Moss Landing.