



## Model EE Program

### Stanley Watershed Project

Seventh grade students learn about their local watershed by visiting nearby Las Trampas Creek. The students collect water quality data and post it online for city groups. Students also participate in the restoration of a creek side demonstration area and present their findings and work to the Lafayette Creek Committee.



#### Stanley Middle School

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#### About the Program

**Grade:** 7th grade students

**Description:** Two 7th grade science classes at Stanley Middle School visit nearby Las Trampas Creek every month to conduct scientific investigations by collecting water quality data to determine the health of the creek. At the end of the school year, the students compile and share their data online with city groups in hopes of inspiring them to maintain the health of this local watershed. One year, the students gave a power point presentation to the Lafayette Creek Committee. The students also help restore a demonstration creek-side area.

**Classroom Integration:** Science Lessons

**Environmental Focus:** Ecosystems—Watershed

**Academic Focus:** Science

**Teaching Practices:** Hands-on, Inquiry-based, Real-life Issues



## About the Program continued...

**Lesson Plans Available:** GEMS Environmental Detectives, Lawrence Hall of Science; Adopt-a-Tree activity; Creekside food web activity; Vinca removal and restoring with native plants

**Website:** <http://www.lafsd.k12.ca.us/stanley/>



### Partners:

- The Watershed Project and Teacher Action Grant
- City of Lafayette Parks & Recreation
- Friends of Lafayette Creek

### Resources:

- Teacher Action Grant
- County Technology Academy Grant
- Lawrence Hall of Science Environmental Detectives materials
- Government Agencies
- EE Providers
- Teachers
- Curriculum Activity Guides
- Websites to publish results



## Program Highlights

- Two 7th grade science classes collect water quality data monthly at Las Trampas Creek
- Students compile data and determine the health of the creek
- Students share their findings with city groups
- The data is displayed online
- Students gave a power point presentation to the Lafayette Creek Committee
- Student performed restoration work at a demonstration creek side area

## California Academic Content Standards

### Science:

7.3.a. Students know both genetic variation and environmental factors are causes of evolution and diversity of organisms.

7.5.b Students know organ systems function because of the contributions of individual organs, tissues, and cells. The failure of any part can affect the entire system.

I&E 7.7.a Select and use appropriate tools and technology to perform tests, collect data, and display data.

I&E 7.7.b. Use of variety of print and electronic resources to collect information and evidence as part of a research project.

I&E 7.7.e Communicate the steps and results from an investigation in written reports and oral presentations.