

Cal Poly Center for Excellence in Science
and Mathematics Education
Recruiting, Preparing, and Retaining
High Quality Math and Science Teachers

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CESaME Programs at Cal Poly

- LBDL - Learn By Doing Lab
- STAR - Science Teacher and Researcher Program
- Math and Science Noyce Scholars Program
- TAP – Teacher Apprenticeship Program
- Teacher-In-Residence Program
- Teacher Professional Development Opportunities
- P-16 Education Council with San Luis Obispo County Office of Ed

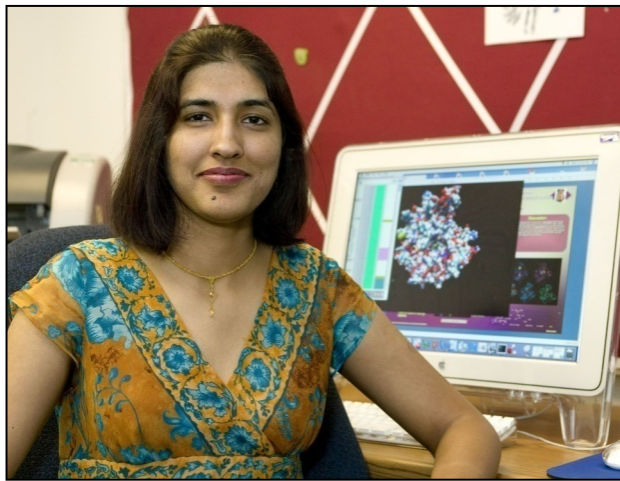
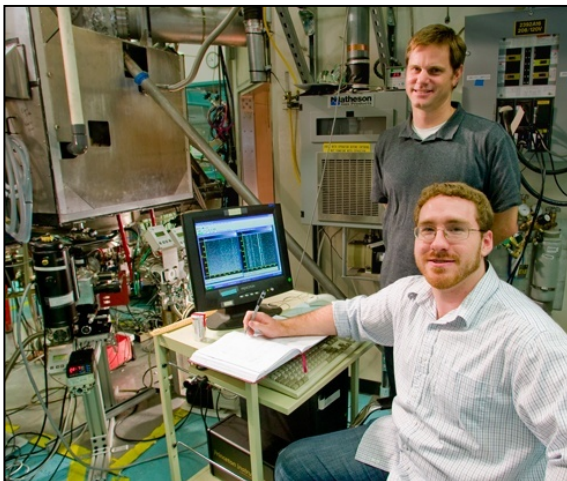
LBDL - Learn By Doing Lab

- Low stakes early field experience for undergraduate students
 - Local 4th-8th grade teachers bring students on campus for LBDL activities taught by undergrads
 - 2009-2010: 1900 students from 35 schools taught by 40 undergraduates



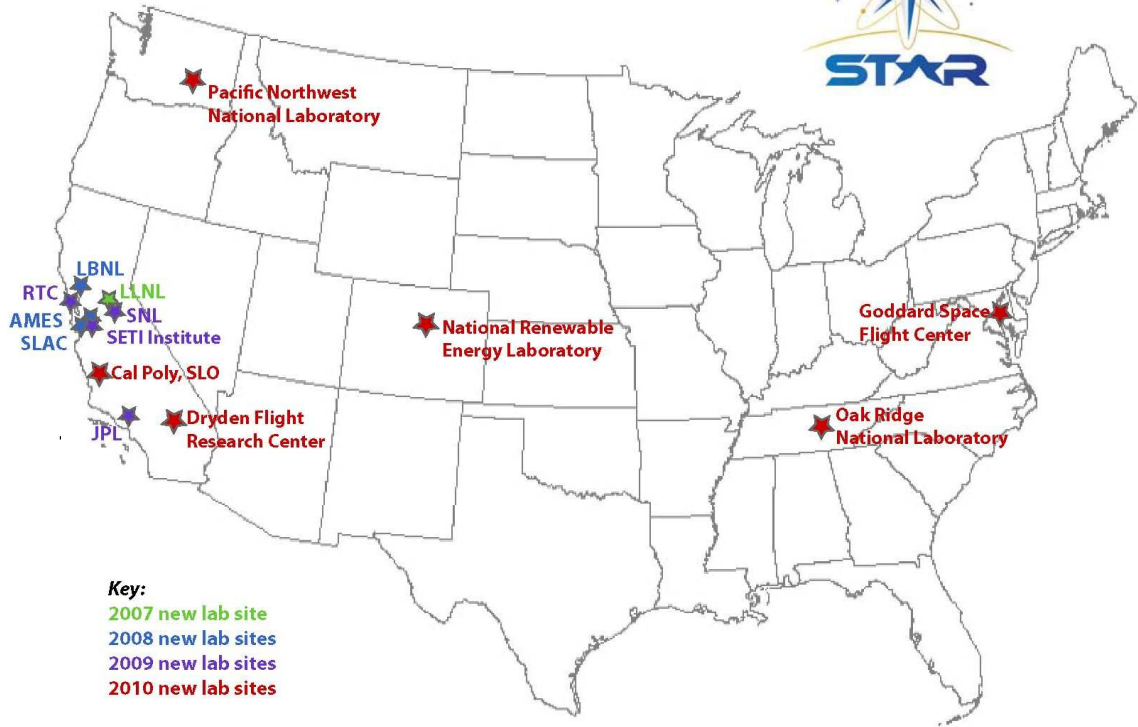
STAR ***Science Teacher and Researcher Program***

- 8-10 week paid summer research experiences at federal laboratories intended to develop “teacher-researchers”
 - Partnership with Dept of Energy, NASA, CSU, and local K-12
 - Research Mentors, Faculty Liaisons, Master Teachers
 - Funded through NSF Noyce Scholar Program and Bechtel Fund

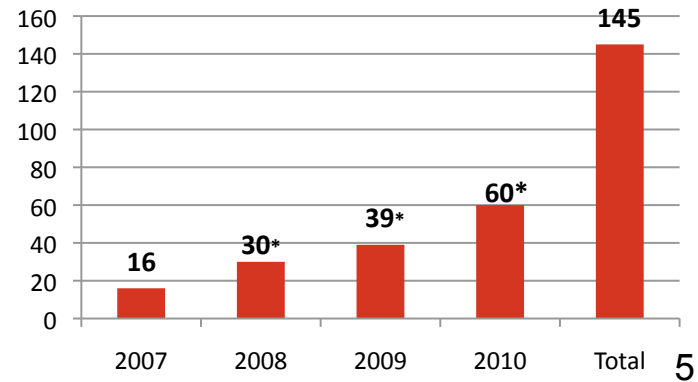




STAR Expansion



Key:
 2007 new lab site
 2008 new lab sites
 2009 new lab sites
 2010 new lab sites



Cal Poly Noyce Scholar Program

- Noyce Programs in both Science and Mathematics
- Math Program 2008-2012
- Science Program 2009-2013
- Partnerships with local school districts and other CSU campuses

2nd Annual

Noyce Narrative

Refreshments provided!!!
Tuesday, April 13th
4 - 6pm
Building 08 - Room 123

Get information about
Noyce Scholarships worth...

\$10,000-\$36,000

Available to Cal Poly students committed
to becoming Mathematics or Science teachers!

APPLICATIONS DUE:
April 30th, 2010

<http://www.cesame.calpoly.edu/programs-noyce.html>

CAL POLY



CESAME

Local K-12 Partnerships

- TAP – Teacher Apprenticeship Program
- Teacher-In-Residence Program
- San Luis Obispo P-16 Education Council
- Teacher Professional Development
 - California Science Project / California Math Project
 - Modeling Science Instruction with CSU Fresno
 - NASA-CSU Collaborative

Reflections

- Efforts supported at all levels
 - Chancellor's Office, President's Office, Dean, Faculty
- Tried to manage growth smartly
- Have placed emphasis on individuals and mentoring
 - For Pre-Service Teachers, Master Teachers, and Students
- Importance of forming vision first

CSU The California State University