



Introduction to Nanoscale Science Workshop for High School Teachers

Get up to speed on the latest scientific developments and use them in your classroom! Earn university credit or professional hours.

The NanoSense project (<http://nanosense.org>) is pleased to announce an opportunity for Bay Area high school science teachers to work with research scientists at SRI International and San Jose State University in a 2-day workshop on nanoscale science. Learn about this new, emerging area of science that explores the unique phenomena at the nanoscale (1-100 nanometers).

Nanoscience is an exciting way to help students experience science in the making and deepen their understanding of the nature of science. This workshop will provide an introduction to nanoscience concepts related to the size and scale, unusual properties of the nanoscale, tools of the nanosciences, and example applications. Participating teachers will also practice teaching a lesson, get feedback from peers and instructors, and collaboratively brainstorm ideas.

Attendance at both Saturday workshop sessions is required, as is practice-teaching at the second session. Participants who complete these requirements (1) will be given the option of receiving 1.0 semester credit in chemistry, physical science, or integrated science; (2) will receive a certificate of completion; and (3) will receive an honorarium of \$100 that can be used to cover the \$44 semester credit fee. Participants will also be given sets of materials to take back to their classroom, and are encouraged to give feedback and input on the materials.

APPLICATION DEADLINE: OCTOBER 21, 2006. Limited to 15 high-school science teachers. To apply, send an email with your name, home address, high school, and subject area to **Ann Baldwin** at abaldwin@jupiter.sjsu.edu. Teams from the same school or subject matter are encouraged to come!

MORE INFORMATION: Email nanosense-contact@sri.com

WORKSHOP LOCATION:

Department of Chemistry
Duncan Hall 246
San Jose State University
San Jose, CA

WORKSHOP DATES:

Two Saturday sessions, October 28
and November 11, 2006
(You must attend both sessions)

TENTATIVE SCHEDULE:

October 28:

- 8:15** Arrival and check-in, survey
- 8:30** Introductions and overview
- 9:30** Lesson and lab activity
- 12:00** Lunch (provided)
- 1:00** Lesson and lab activity
- 3:30** Choose a lesson to practice teach (can work in pairs)
- 4:00** Evaluation survey and adjourn

November 11:

- 8:15** Arrival and check in.
- 8:30** Practice teaching with coaching
- 12:00** Lunch (provided)
- 1:00** Brainstorm session on integration into curriculum
- 4:00** Evaluation survey and adjourn