



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 high school science teachers to work with research scientists at SRI International and San Jose State University in a 1-week workshop, June 25-29, 2007, on nanoscale science. Explore unique phenomena at the nanoscale (1-100 nanometers), participate in hands-on activities for introducing students to nanoscale science, and discuss how to implement relevant activities in your classroom. The workshop will provide an introduction to size and scale, unusual properties of the nanoscale, tools for measuring and manipulating atoms and molecules, and example applications of nanoscience (see schedule at right). Participating teachers will practice teaching, get feedback from peers and instructors, and collaboratively brainstorm ideas for integrating nanoscience into your regular curriculum (bring your planner).

Participants who complete all requirements will (1) be given the option of receiving 2.0 semester credits in chemistry, physical science, or integrated science; (2) receive a certificate of completion; and (3) receive an honorarium* of \$300 that can be used to cover the \$44/unit 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: MAY 21, 2007. Limited to 25 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!

*Honorarium supported by USDE Teacher Quality Enhancement Grant #P336C050037.

WORKSHOP LOCATION:

Department of Chemistry
Duncan Hall 505
San Jose State University
San Jose, CA

WORKSHOP DATES:

June 25-28, 2007

(You must attend all sessions)

SCHEDULE (JUNE 25-28):

8:45 am: Arrival, juice and muffins.

9:00-3:30 Workshop sessions; mix of presentation and hands-on activities.

Lunch provided every day.

Fun homework (1 hr) each day.

June 25: Size Matters: An Introduction to Nanoscience

June 26: Clear Sunscreen: How Light Interacts with Matter

June 27: Clean Energy: Converting Light into Electricity, Fine Filters: Water Treatment through Nanofiltration

June 28: Small group and individual presentations, discussion, evaluation.

MORE INFO: nanosense-contact@sri.com