Physical Science Standards Institute  
(Grades 3-4-5)

• The South Coast Science Project, a site of the California Science Project based at the University of California, Santa Barbara, was established in 1990 to give teachers an opportunity to expand their skills in the teaching of science.

• A group of 25 teachers will be chosen to attend a 2-week summer Physical Science Standards Institute in Ventura.

• Teams of teachers from the same school, especially “low-performing schools”, teachers from groups traditionally under-represented in science, and teachers of minority and disabled/learning handicapped students are encouraged to apply. New and experienced teachers are both welcome.

• Participants will be designated as University Fellows in Science Education.

• Participants will receive:
  - A $400 stipend
  - An opportunity to earn 6 semester/9 quarter units of UCSB postgraduate credit that may count toward NCLB compliance.

What Do Teachers Do at the Institute?

• Learn the content for grades 3-4-5 Physical Sciences, aligned to the state standards
• Explore the new Next Generation Science Standards that will soon be implemented
• Learn to make instructional materials appropriate for ELL students
• Connect science to reading for language learners
• Share teaching strategies with grade level colleagues
• Participate in hand-on investigations
• Get the latest scientific information from UCSB experts

“Physical Science Standards Institute” at De Anza Middle School in Ventura  
Date: June 24- July 3, 2013 • Time: 8:30 a.m. to 3:30 p.m.
The Summer Institute, June 24 – July 3, 2013

Sessions will be held at De Anza Middle School in Ventura from 8:30 a.m.-3:30 p.m. We will meet Monday, June 24 through Wednesday, July 3, with a fieldtrip on Saturday, June 29. There will be a mixture of extensive hands-on practice, investigations by staff and participants, outside guests, discussions, and practice teaching. The atmosphere will be informal and collegial so as to foster cooperation and long-term commitment to a support network.

Improving Science Teaching

Staff and Fellows will present hands-on investigations in Physical Science concepts for 3rd, 4th, and 5th grades. The emphasis will be on readily prepared, inexpensive activities. Fellows will explore the concepts and questions that arise in the course of doing these experiments. Outside experts will provide additional subject-matter expertise. The new Framework and upcoming Next Generation Science Standards will be introduced and discussed.

Literacy and Science Teaching

Fellows will examine ways that science teaching can connect to the need to teach English. Connections to current reading series will be emphasized as well as ways to teach language with hands-on science. The issues around equity and status, as well as teaching in culturally and linguistically diverse classrooms will be emphasized throughout the Institute.

Leadership

In order to impact the teaching of science on the South Coast, participants in the South Coast Science Project will be encouraged to become part of a support network. During the Institute, we will discuss why teachers may avoid teaching science as a result of (a) their perceptions of their own abilities, (b) how they feel about science, and (c) how they feel about change in their teaching.

Academic Credit

6 semester / 9 quarter units of academic postgraduate credit through UCSB Extension will be available for a $195 fee. Application for University of California Santa Barbara Extension post-graduate professional credit for this course is pending.

Academic Year Follow-up

Follow-up days will occur two or three times during the 2013-2014 school year. They will be an optional activity to increase teachers’ success in teaching science.

Participant Commitment

Fellows who are selected will be expected to:

1. Attend the 9 days of the Summer Institute, June 24 – July 3;
2. Volunteer to present experimental activities to the Summer Institute;
3. Take an active part in the various aspects of the Summer Institute;
4. Encourage improvements in science teaching in their schools and districts by changing their own teaching, assisting their colleagues to change, serving on committees, performing in-services, etc.;
5. Urge their administrator(s) to attend part of the Summer Institute or possible follow-up days.

How to Apply

Submit:

1) the Fellowship Application Form, and
2) the Support Agreement with the appropriate school official’s signed agreement.

Selection of Fellows

Generally, teachers will be admitted in the order of application submission. In the case of too many applicants, teams from a school will get preference. Teachers who are bilingual are strongly encouraged to apply. All applicants will be notified of the decision.

Please send applications and questions to:
South Coast Science Project c/o Petra van Koppen
University of California University of California
Santa Barbara, CA 93106-7090
Tel: (805) 965-4707 Fax: (805) 893-4120
tom@education.ucsb.edu

All applications must be postmarked by April 25, 2013
SOUTH COAST SCIENCE PROJECT
Fellowship Application Form

Name: _______________________________________  Home Phone: _________________________

Home Address: ________________________________  City & Zip: ___________________________
Grade Level: __________ Grade level(s) previously taught: _______________
Email address: ________________________________________________

School: _______________________________ District: __________________ County: ___________
School Address: ________________________________ City & Zip: __________________________
Principal’s Name: _______________________________ School phone: ________________________

Obtain the signature of your Principal or Superintendent on the release-time agreement.

DEADLINE for postmark of your application is April 25, 2013, which should include this form and the Support Agreement below.

2013-2014
SOUTH COAST SCIENCE PROJECT
Support Agreement

A goal of the South Coast Science Project is to assist teachers in improving science education. Science Project Fellows work to improve instruction in their own classrooms and many serve as a resource to other teachers within their schools, districts and regions. Involvement in the change process requires ongoing support – from both the Project and the school. To this end we may conduct three (3) follow-up meetings during the academic year. We request that the school or district of participating Fellows demonstrate support by providing three (3) days of release-time during the 2013-2014 academic year to attend the follow-up meetings. Substitute support scholarships will be available if necessary.

We would like each applicant to discuss with her/his principal what kind of role she/he may play in improving science education at her/his site, before signing this Support Agreement.

“I have spoken with the applicant and agree to support her/his role in science instruction in the school. I will also provide, if necessary, the applicant with three (3) days of release-time during the 2013-2014 year, and pay for the substitute if possible, if he/she is appointed a Fellow in the South Coast Science Project.”**

** In light of the current budget situation, reduction in the number of released-day follow-up meetings may be necessary.

Name (print or type) ____________________________  Title ____________________________

Signature ____________________________ Date ____________________________

[Please give form to the applicant to send with her/his application to the address above.]