

## 2013 Research Experiences for Teachers (RET) opportunities with the Santa Barbara Coastal Long Term Ecological Research (SBC LTER) group at the University of California, Santa Barbara (UCSB)



**Research Experiences for Teachers (RET):** The goal of the RET program is to enhance the professional development of K-12 science educators through research experience at the emerging frontiers of science in an effort to bring new knowledge into the classroom. We hope the experience strengthens and enhances your existing science curriculum, serves as a professional development opportunity and extends collaboration between K-12 science educators and the local research community. The RET program is funded by the National Science Foundation.

**SBC LTER Research:** The SBC LTER is an interdisciplinary research and education program established in 2000 to investigate the importance of land and ocean processes in structuring ecosystems at the land-sea margin. The principal study area is the Santa Barbara Channel and the coastal watersheds that drain into it, and the focal ecosystem is giant kelp forests, which occur on shallow rocky reefs at the interface of the land-sea margin throughout our study area and other temperate coasts throughout the world. The major focus is developing a predictive understanding of the structural and functional responses of giant kelp forest ecosystems to environmental forcing from the land and sea. For more information see: <http://sbc.lternet.edu>

**2013 RET Program:** RET fellows will be invited to attend weekly research seminars on the UCSB campus as time allows in the winter and spring of 2013, and meet with SBC LTER researchers to identify potential research projects to participate in during the summer 2013. RET fellows will work closely with SBC LTER researchers in summer 2013 to collect, analyze and interpret data. RET fellows will be expected to develop lessons and activities relevant to these research experiences for use in their classrooms. The exact focus of the research and education project is flexible, taking into account participant's particular interest.

**Eligibility:** Current middle, junior and high school teachers

### Benefits:

- Work side by side with scientists doing cutting edge research in the watersheds and marine environment of Santa Barbara
- Increase your content knowledge in science and understanding of the process of science
- Develop professional contacts in the research community
- **\$6,000 stipend** (upon completion of all requirements), \$2,000 in research, classroom supply, and travel funds (personal and CSTA costs)
- Travel funds to attend the 2013 California Science Teachers Association (CSTA) Science Education Conference in Palm Springs, CA in fall 2013.

### Expectations:

- Complete at least four weeks of field research and data analysis in summer 2013
- Complete education project as agreed upon by participant and scientists
- Document follow-up activities with your students and/or other teachers
- Present results of your experience and education project at fall CSTA meeting

**To apply:** Fill out the application form on the next pages, or download an application from <http://sbc.lternet.edu/education>. Email the application in pdf format, or send an email with answers to all the application form questions to [outreach@msi.ucsb.edu](mailto:outreach@msi.ucsb.edu). Use RET in the subject line.

**APPLICATION DEADLINE: January 15, 2013.**

Review of applications will start on January 15, 2013 and continue until the positions are filled.



# Application for SBC LTER 2013 Research Experiences for Teachers (RET) Program

Applications due **January 15, 2013** Review of Applications will start on January 15, 2013 and continue until the positions are filled. Email application to **outreach@msi.ucsb.edu**

## PERSONAL INFORMATION

FIRST AND LAST NAME:

EMAIL ADDRESS:

PHONE NUMBER:

STREET ADDRESS:

CITY, STATE:

ZIP CODE:

DEGREES EARNED:

AREAS OF CERTIFICATION:

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## TEACHING EXPERIENCE

TOTAL NUMBER OF YEARS  
TEACHING EXPERIENCE:

NUMBER OF YEARS AT  
CURRENT SCHOOL:

SCHOOL DISTRICT:

NAME OF SCHOOL:

GRADE LEVELS YOU TEACH:	6th	7th	8th	9th	10th
	11th	12th			

SUBJECTS YOU TEACH:

NAMES AND EMAILS OF 2  
REFERENCES:

Describe how you currently implement inquiry-based teaching in your classroom:

Explain briefly how you think this experience could specifically impact your teaching practice:

Which of the SBC LTER research areas are you most interested in? (see <http://sbc.lternet.edu> for information about the SBC LTER research areas)

Briefly describe your preliminary ideas for the types of lessons or activities that you are interested in developing based on this experience.

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Either email this application in pdf format, or send an email with answers to all the above questions to [outreach@msi.ucsb.edu](mailto:outreach@msi.ucsb.edu) and use RET in the subject line.

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