



CSU Long Beach

Saturday

January 20, 2018

9:30am – 12:30pm



THE CHANGING EARTH: NGSS IN PRACTICE

A FREE Hands-On Workshop for Educators

Sponsored by the CSULB Science Education Dept.

Supported by ESLA

Our earth is constantly changing. Sometimes it happens quickly and it is easy to see. At other times, it is difficult to understand because of the amount of time it can take to make a large change. At this workshop with Dr. Lisa Martin-Hansen (science education professor), you get to make your own physical models to investigate how the earth can change over time. We will also learn a bit about how we can measure that change over time. Lastly, we will play a game to gather data about the geological cycling of materials in the earth (specifically major types of rock) and how that happens.

Additional information related to the California Framework for Science Teaching, updates on standards implementations timeline (and assessment), and implications for those working in out-of-school settings will be shared.

CSULB Science Education faculty member and Department Chair Dr. Lisa Martin-Hansen will lead this hands-on workshop. This workshop is open to all educators but the focus will be on elementary NGSS PEs and DCIs.

RSVP for this event by sending an email to Anna.Asanidze@csulb.edu by January 12. Be sure to include your name, email address, phone number, school/program affiliation, and whether you will need a parking pass.

The workshop is **FREE** and open to both elementary and informal educators interested in learning more about NGSS. Light refreshments will be provided.

RSVP is required to ensure adequate materials and parking for participants.

Please contact

Anna.Asanidze@csulb.edu to make your reservation **no later than Jan. 12**.

Provide your name, email, phone, and school/job info. Parking information will be provided with RSVP confirmation.

Additional Opportunities at CSULB

The CSULB Science Education Department offers several opportunities for local educators interested in advancing their understanding of teaching and learning. Visit www.csulb.edu/scied for more information.

- **Assoc. of Future Science Educators (AFSE)**
Evening events to support science instruction. (weeknights 6-8 PM) Get the spring line-up and RSVP at www.scienceteaching.org
- **Physics/Physical Science Demo Days**
Join us the 2nd Thursday of the month for physics and physical science demonstrations, engineering challenges and *Make, Take & Teach* days. Visit www.physicsatthebeach.com for details and to RSVP.

MS in Science Education

Informal Ed. and Elem./Middle School, & Secondary Options

The Master's in Science in Science Education provides students with the opportunity to strength their understanding of science, science teaching and learning, as well as link their new knowledge to their current practice. Applications available now. Deadline for Fall 2018 is May 31. Contact:

Alan.Colburn@csulb.edu

Individual Classes

The department offers a variety of science courses designed to deepen educator's knowledge in earth science, life science, and physical science. *Sp 18 SCED502 - Phys Sci*. Course starts January 25 Contact: Laura.Henriques@csulb.edu