

# The NGSS Science and Engineering Practices



## An "8 point booster shot" for Inquiry!

**Presenter: Jo Ann Vasquez, PhD**

Experience this interactive, hands-on workshop which will help clarify and demonstrate the shift in thinking from using a one catch-all word, "inquiry" to an understanding of the practices and framework for our science instruction. In science, the term "inquiry" has many interpretations. Yet teachers of science all agree that inquiry is at the heart of the discipline. Therefore, when the writers of the NGSS and *A Framework for K-12 Science Education* (developed by the National Research Council) decided not to use the broad term "inquiry", but instead chose to describe inquiry as the Science and Engineering Practices. You will experience the Integration of the NGSS Three Dimensions and recognize how the Science and Engineering Practices are the "glue" that hold these together. Inquiry teaching has now received a full set of coordinated practices to make it easier to understand. It got an 8-point booster shot!



**DR. VASQUEZ** is an experienced science teacher, author and professional development consultant. A Presidential appointee, she was the first and only K-12 educator to hold a seat on the governing board of the National Science Foundation. Dr. Vasquez has been awarded with the Distinguished Service to Science Education by the NSTA and was named the Outstanding Leader in Science Education by the National Science Education Leadership Association. She has worked throughout her career to focus public attention on the need to improve science education for ALL students. Dr. Vasquez has a degree in Biology, a Masters in Early Childhood Education and Ph.D. in Curriculum and Instruction. She has taught all grade levels, and for ten years was an associate professor of Science Education at Arizona State University.

### Target

**Audience:** Elementary Teachers and Secondary Science Teachers, Coaches, TOSAs, and Administrators

**Date:** Tues, Jan 26, 2015

**Location:** SBCEO Multimedia Training Center

**Time:** 8:30 a.m. - 3 p.m.

**Cost:** \$195 (includes breakfast and lunch)

Register online at  
<http://sbceo.k12oms.org>

For more information, please contact:  
**Clanci Chiu**

Coordinator, Instruction, Assessment and Professional Learning, SBCEO  
cchiu@sbceo.org · (805) 964-4710 x5435