



Next Generation Science Standards Elementary Professional Learning Series

The California Science Center offers high-quality, differentiated professional learning sessions designed to support the AWARENESS, TRANSITION and IMPLEMENTATION of the Next Generation Science Standards (NGSS) into existing curriculum.

Sessions target TK-5th grade teachers. Each 6-hour session includes:

- An assessment of the school, teachers' needs and current science, ELA and math curriculum being used to help determine best strategies for professional learning sessions.
- Three hours of support in designing and understanding components of 3-dimensional science lesson plans.
- Three hours of coaching during collaborative planning time, personalized based on student, site and teacher goals.
- Grade level-specific content supplemented by California Science Center resources and content expertise.
- Specific connections and strategies to integrate science into Common Core Math and ELA.

In **Session 1**, participants **build an understanding** of the principles, anatomy, architecture and conceptual shifts of the NGSS, as well as 3-dimensional learning. Participants will also have a better understanding of how to use the California Science Curriculum Framework.

In **Sessions 2 through 4**, participants **become science and engineering catalysts** for their school or district as they participate in activities over three sessions:

- **Session 2 - NGSS NOW:** Translate current science content into lesson plans using the 5E model utilizing the three dimensions of NGSS (practices, crosscutting concepts and disciplinary core ideas).
- **Session 3 - NGSS NOTEBOOKING:** Reflect on current research and plan powerful notebooking experiences that can be used for formative assessments, while increasing student achievement through metacognition.
- **Session 4 - ENGINEERING WITH EASE:** Experience a team challenge that provides participants with a fun introduction to what engineering looks like in the classroom. Collaboratively plan a grade level-appropriate engineering lesson to bring back to the classroom for immediate use.

For more information and pricing details, contact Gretchen Bazela at gbazela@cscmail.org and 213-744-2041.