



California Science Project
University of California, Riverside

Maria C. Simani, Ph.D.
 Executive Director
 University of California, Riverside
 Email: maria.simani@ucr.edu
 Phone: 951-827-3111

Overview of CSP's Model for Sustained Professional Learning and Leadership Development

by M.C Simani, June 10, 2019

The components described in this document are fundamental to any professional learning designed and delivered by the California Science Project (CSP) with the goal of assisting educators and administrators in schools and districts establish a sustained model of professional learning for K-12 schools.

The CSP model of engagement with educators to improve classroom practice and develop leadership capacity is aligned to the following research-based principles:

- 1) coherent exposure of new instructional strategies aligned with the California Next Generation Science Standards and the California Science Curriculum Framework;
- 2) emphasis of teaching strategy elements that align with Common Core State Standards for Literacy in Science and the California Standards for English Language Development;
- 3) time for educator reflection and adaptation to personal teaching contexts;
- 4) implementation and revision based on analysis of student work;
- 5) collaboration within and support through a Professional Learning Community;
- 6) constructive dialogue with school administration;
- 7) development of teacher leadership within the school and district community to further the work of the teachers.

PROPOSAL FOR PARTNERSHIP with Newport-Mesa USD – 2019-2020

Description

By using the CA Next Generation Science Standards and the already adopted California State curricular frameworks in Science, Mathematics, and ELA/ELD and other district-adopted curricula and materials, CSP will support teachers' inquiry into the most effective implementation of the new science standards for K-12 classrooms.

The 1-day workshop will be designed to include the following topics:

1. Overview and framing of scientific modeling
2. Experiencing scientific modeling as a learner
3. Debrief the modeling lesson and discourse moves
4. Review the CA Modeling Toolkit to design instruction with scientific models
5. Practice using the CA Modeling Toolkit at your grade level

The workshop will be organized to accommodate 70 educators and it will take place on August 21st.

Duration/Cost

The cost of the workshops includes preparation time, administrative time, printed and online materials, and travel expenses.

Total cost: \$1,500