

Access to NGSS for ALL Students
LAUSD Course #NA-18-62
Approved for 2 Salary Points (LAUSD-Specific)

Brief Overview

This course provides teachers a deeper look at the science standards that were adopted by California State Board of Education in September 2013 for grades K-12. The main emphasis, however, of this course, is *equity* in and through the teaching of these standards, which is a purposeful focus of the designers of the NGSS and an urgent need in teaching practices. Science is for ALL students, yet statistics show a concerning gap between various groups of our students in their achievement of science standards, in their scientific literacy, in their preparedness for science fields, and in their interest in higher education and/or careers in the sciences. Research shows that particular teaching strategies can help to close the gaps for these subgroups of students. This course provides “practical and usable information on how to engage students of all backgrounds in science” (Pruitt, S. “NGSS: Giving Every Student a Choice”, 2015, p. 4).

Course Outline

Introduction

Session 1: What are the NGSS?

Session 2: Why NGSS?

Session 3: NGSS and CCSS

Session 4: NGSS and Equity

- A. Overview of Issues in Equity & Science Instruction
- B. Strategies to Promote Equity in Science: Economically Disadvantaged Students
- C. Strategies to Promote Equity in Science: English Learners
- D. Strategies Promote Equity in Science: Culturally Diverse Students
- E. Strategies Promote Equity in Science: Students with Special Needs/Disabilities
- F. Strategies Promote Equity in Science: Girls
- G. Strategies Promote Equity in Science: Gifted and Talented Students
- H. Recognizing and Countering Stereotype & Stereotype Threat for Supporting the Success of “Non-Dominant” Sub-populations of Students Specifically in the Science Education

Course Conclusion



Description of Activities

For each module please expect the following activities:

- Read through the lesson/session contents (including articles) and watch videos
- Take a short quiz on the material presented
- Complete a written assignment with open-ended responses
- Post your written responses on a discussion forum for interaction with others

Have Questions?

Email our Help Desk at help.ed4equity@gmail.com