

SCIENCE INSTRUCTION

The Board of Trustees believes that science education should focus on giving students an understanding of the biological and physical aspects of science, key scientific concepts and methods of scientific inquiry and investigation. Students should become familiar with the natural world and the interrelationship of science, mathematics, technology, and engineering. As part of science instruction, students should learn how to apply scientific knowledge and reasoning.

(cf. 0440 - District Technology Plan)
(cf. 5145.8 - Refusal to Harm or Destroy Animals)
(cf. 6142.92 - Mathematics Instruction)
(cf. 6143 - Courses of Study)
(cf. 6146.1 - High School Graduation Requirements)

Philosophical and religious theories are based, at least in part, on faith, and are not subject to scientific test and refutation shall not be discussed during science instruction

(cf. 6141.2 - Recognition of Religious Beliefs and Customs)

The district's academic standards for science instruction shall meet or exceed the California Next Generation Science Standards (CA-NGSS). The Superintendent or designee shall ensure that curricula used in district schools are aligned with these standards and the state curriculum framework.

(cf. 6011 - Academic Standards)
(cf. 6141 - Curriculum Development and Evaluation)
(cf. 6161.1 - Selection and Evaluation of Instructional Materials)

Legal Reference:

EDUCATION CODE

8774 Residential outdoor science program
32030-32034 Eye safety
32255-32255.6 Student's right to refrain from harmful or destructive use of animals
33475-33475.5 Model curriculum on stem cell science
49340-49341 Hazardous substances education
51210 Areas of study, grades 1 through 6
51210.3 Elementary science coach
51220 Areas of study, grades 7 through 12
51225.3 High school graduation
52060-52077 Local control and accountability plan
60640-60649 California Assessment of Student Performance and Progress
CODE OF REGULATION, TITLE 5
14030 Science laboratories, design specifications
CODE OF REGULATIONS, TITLE 8
5191 Occupational exposures to hazardous chemicals in laboratories; chemical hygiene plan

Instruction

BP 6142.93(b)

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Management Resources :

CSBA PUBLICATIONS

Supporting Implementation of the California Next Generation Science Standards (CA-NGSS), Governance Brief, November 2016

CDE PUBLICATIONS

Science Framework for California Public Schools: Kindergarten Through Grade Twelve, 2016

Next Generation Science Standards Systems Implementation Plan for California, 2014

California Next Generation Science Standards, 2013

Science Safety Handbook for California Public Schools, 2012

WEB SITES

CSBA: <http://www.csba.org>

California Alliance for Next Generation Science Standards: <http://cdefoundation.org/stem/ca4ngss>

California Department of Education: <http://www.cde.ca.gov>

California Science Teachers Association: <http://www.cascience.org>

U.S. Department of Education, STEM Education: <http://www.ed.gov/stem>

Policy Adopted: 01/10/18

ORCUTT UNION SCHOOL DISTRICT
Orcutt, California