

**SCIENCE INSTRUCTION**

The Board of Education 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. Such beliefs shall not be taught in science classes, but may be addressed in the social science and language arts curricula.

(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)

The Superintendent or designee shall ensure that students have access to and are enrolled in a broad course of study including science courses.

(cf. 0460 - Local Control and Accountability Plan)

**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

**SCIENCE INSTRUCTION (cont.)**

CODE OF REGULATIONS, TITLE 5

14030 Science laboratories, design specifications

CODE OF REGULATIONS, TITLE 8

5191 Occupational exposure to hazardous chemicals in laboratories; chemical hygiene plan

**Management Resources:**

CALIFORNIA DEPARTMENT OF EDUCATION 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

WEBSITES

CSBA: [www.csba.org](http://www.csba.org)

California Alliance for Next Generation Science Standards: [www.cdefoundation.org/stem/ca4ngss](http://www.cdefoundation.org/stem/ca4ngss)

California Department of Education: [www.cde.ca.gov](http://www.cde.ca.gov)

California Science Teachers Association: [www.cascience.org](http://www.cascience.org)

U.S. Department of Education, STEM Education: [www.ed.gov/stem](http://www.ed.gov/stem)

**Chino Valley Unified School District**

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