

SCIENCE INSTRUCTION

The Governing Board believes that science education should focus on giving students an understanding of key scientific concepts and a capacity for scientific ways of thinking. Students should become familiar with the natural world and the interrelation of science, mathematics and technology. As part of their science instruction, students should learn how to apply scientific knowledge and ways of thinking for individual and social purposes.

(cf. 0440 - District Technology Plan)
(cf. 6142.92 - Mathematics Instruction)
(cf. 6143 - Courses of Study)
(cf. 6146.1 - High School Graduation Requirements)

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)

The Superintendent or designee shall provide certificated staff with opportunities to participate in professional development activities designed to enhance their knowledge of district-adopted academic standards, instructional strategies for teaching science, and changes in scientific theories.

(cf. 4131 - Staff Development)
(cf. 4331 - Staff Development)

The Superintendent or designee shall develop and implement appropriate safety measures for science laboratory classes, including, but not limited to, staff and student safety training, use of eye safety devices, hearing protection, first aid procedures, regular equipment maintenance, safe use of heat sources, safe use and disposal of hazardous chemicals, proper ventilation, prevention of exposure to bloodborne pathogens from sharp instruments, fire prevention and control, an emergency response plan, and evacuation procedures. Parents/guardians shall be informed of the types of science laboratory activities that will be conducted and encouraged to sign consent forms for their child's participation.

(cf. 3514.1 - Hazardous Substances)
(cf. 4119.42/4219.42/4319.42 - Exposure Control Plan for Bloodborne Pathogens)
(cf. 4157/4257/4357- Employee Safety)
(cf. 5142 - Safety)

SCIENCE INSTRUCTION (continued)

Legal Reference:

EDUCATION CODE

51210 Areas of study, grades 1 through 6

51220 Areas of study, grades 7 through 12

Management Resources:

CDE PUBLICATIONS

Science Framework for California Public Schools, 1990

SBE POLICIES

Policy Statement on the Teaching of Natural Sciences, January 13, 1989

Policy
adopted:

POWAY UNIFIED SCHOOL DISTRICT
San Diego, California