

Instruction

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.

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 discussed in science instruction.

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.

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

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.

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 blood borne 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.

(Legal Reference Next Page)

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 exposure to hazardous chemicals in laboratories; chemical hygiene plan

Adopted: (7-96 3-08) 8-17

ORANGE UNIFIED SCHOOL DISTRICT
Orange, California