

MATHEMATICS INSTRUCTION

The Governing Board desires to offer a rigorous mathematics program that prepares students to apply mathematics in real life. The Superintendent or designee shall develop curricula that offer a balanced instructional program, including but not limited to:

The mathematics program shall develop such knowledge and skills in the subject areas of numbers, measurement, geometry, functions, statistics and probability, logic, algebra and discrete mathematics. Students should know, understand and demonstrate concepts through their application to classroom and real-life situations.

The Superintendent or designee shall ensure that all students have many opportunities to take the full range of mathematics course options.

(cf. [6143](#) - Courses of Study)

The Board shall establish specific content and performance standards in mathematical skills, concepts and problem-solving ability for each grade level. Students at risk of failing to meet performance standards shall receive additional assistance and intervention. All students are required to complete first year algebra or its equivalent to graduate from high school.

(cf. [6146.1](#) - High School Graduation Requirements)

The Superintendent or designee shall ensure that certificated staff have opportunities to participate in professional development activities designed to increase their knowledge and skills in effective mathematics teaching practices.

(cf. [4131](#) - Staff Development)

Students shall have access to sufficient instructional materials, including manipulatives and technology, to support a balanced mathematics program.

(cf. [6141](#) - Curriculum Development and Evaluation)

(cf. [6161.1](#) - Selection and Evaluation of Instructional Materials)

(cf. [6161.11](#) - Supplementary Instructional Materials)

(cf. [6162.7](#) - Use of Technology in Instruction)

Legal Reference:

EDUCATION CODE

[51210](#) Areas of study, grades 1 through 6

[51220](#) Areas of study, grades 7 through 12

CDE PUBLICATIONS

Improving Mathematics Achievement for All California Students: The Report of the California Mathematics Task Force, 1995

Mathematics Framework for California Public Schools, 1992