

**Mathematics Instruction**

The Solano County Office of Education (SCOE) desires to offer a rigorous mathematics program that provides a strong foundation in basic mathematical skills and prepares students to apply mathematics in real life. The County Superintendent or designee shall develop grade-level curricula that offer a balanced instructional program, including but not limited to:

1. Basic mathematical skills: quantification, basic facts, sorting and classification, and computational skills including addition, subtraction, multiplication, division, fractions, decimals, squares and square roots
2. Conceptual understanding: knowledge and application of facts and definitions, identification of principles, understanding of relationships among mathematical concepts, recognition and application of signs, symbols and terms
3. Problem solving: use of mathematical concepts, skills, tools and reasoning strategies to formulate and solve problems in a variety of situations

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

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

Legal Reference:

EDUCATION CODE

- 51210 Areas of study, grades 1 through 6
- 51220 Areas of study, grades 7 through 12

Policy Cross-Reference:

- 0440 District Technology Plan
- 4131 Staff Development
- 6141 Curriculum Development and Evaluation
- 6143 Courses of Study
- 6146.1 High School Graduation Requirements
- 6161.1 Selection and Evaluation of Instructional Materials
- 6161.11 Supplementary Instructional Materials