

ASSEMBLY BILL

No. 2442

Introduced by Assembly Member Mazzoni

February 20, 1998

An act to add Chapter 3.25 (commencing with Section 44695) to Part 25 of the Education Code, relating to mathematics instruction.

LEGISLATIVE COUNSEL'S DIGEST

AB 2442, as introduced, Mazzoni. Mathematics instruction: Standard-based Mathematics Staff Development Act of 1998.

Existing law includes mathematics among the prescribed courses of study for grades 1 to 6, inclusive, and for grades 7 to 12, inclusive.

This bill would enact the Standards-based Mathematics Staff Development Act of 1998. The bill would require the State Department of Education to administer a program of grants to school districts and county offices of education for tuition and material costs for single-subject mathematics teachers to take mathematics courses at accredited institutions of higher education. The bill would prescribe the eligibility criteria for applicant school districts.

The bill would require the State Department of Education to administer a program for grants to school districts and county offices of education for in-service training in mathematics of multiple-subject teachers of pupils enrolled in grades 4 to 8, inclusive, and would prescribe eligibility criteria for this program.

Vote: majority. Appropriation: no. Fiscal committee: yes.
State-mandated local program: no.

The people of the State of California do enact as follows:

1 SECTION 1. This act shall be known and may be cited
2 as the “Standards-based Mathematics Staff Development
3 Act of 1998.”

4 SEC. 2. The Legislature finds and declares all of the
5 following:

6 (a) In December 1997, the State Board of Education
7 adopted content standards for mathematics instruction in
8 the California public schools.

9 (b) In order that students may attain the highest levels
10 of mathematical skills and understanding, it is essential
11 that teachers in the public schools be knowledgeable
12 about the new standards and have a thorough, in-depth
13 understanding of the underlying mathematics.

14 (c) Many teachers in the public schools lack the
15 in-depth understanding of mathematics that is necessary
16 for effective teaching at the level of the new standards,
17 and this is particularly true for high school mathematics.

18 (d) A mathematics staff development program is
19 therefore essential for implementation of the new,
20 rigorous mathematics standards in the California public
21 schools.

22 SEC. 3. Chapter 3.25 (commencing with Section
23 44695) is added to Part 25 of the Education Code, to read:

24

25 CHAPTER 3.25. MATHEMATICS STAFF DEVELOPMENT

26

27 Article 1. Coursework in Mathematics for
28 Single-Subject Mathematics Teachers

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30 44695. The State Department of Education shall
31 administer a program of grants to school districts and
32 county offices of education for tuition and materials costs
33 for single-subject mathematics teachers to take
34 mathematics courses offered by the mathematics
35 departments at accredited institutions of higher



1 education in California. The department shall do all of the
2 following:

3 (a) Develop criteria, guidelines, and procedures as
4 necessary and submit these to the State Board of
5 Education for amendments, if any, and approval.

6 (b) Identify school districts that meet eligibility
7 requirements for grant awards.

8 (c) Allocate funds to eligible school districts.

9 44695.3. A school district shall do all of the following
10 to be eligible for receiving grants pursuant to this article:

11 (a) Employ single-subject mathematics teachers.

12 (b) Inform all single-subject mathematics teachers in
13 the school district of the availability of tuition grants for
14 courses in mathematics.

15 (c) From the funds received by the school district
16 pursuant to Section 44695.5, allocate tuition grants to
17 teachers based on their need for mathematics training.
18 Highest priority shall be given to teachers with the least
19 college-level mathematics training taking into
20 consideration the needs of a school in extending its course
21 offerings.

22 (d) Ensure that each teacher who receives a tuition
23 grant meets both of the following conditions:

24 (1) Has designed a professional development plan that
25 specifies the sequence of courses that the teacher will
26 take in order to fulfill the course requirements for a
27 mathematics minor, major, or advanced degree, as
28 appropriate.

29 (2) Obtains a grade of C or better in the course.

30 44695.5. The State Department of Education shall
31 award grant awards to school districts that are eligible for
32 funding on the basis of equal dollars per single-subject
33 mathematics teacher employed by the district. The
34 amount per teacher shall be determined by dividing the
35 total funds provided for the purposes of this article in a
36 fiscal year by the number of single-subject mathematics
37 teachers in all districts eligible for funding.

38 44695.7. Funds received pursuant to this article may
39 be expended only for tuition and required course
40 materials for courses in mathematics offered by the



1 department of mathematics at an accredited institution
 2 of higher education in California.
 3 44695.9. A teacher may be eligible to receive a tuition
 4 grant for more than one course during a fiscal year,
 5 provided that the priorities established pursuant to
 6 subdivision (c) of Section 44695.3 are being addressed and
 7 the courses taken are consistent with the teacher's
 8 professional development plan developed pursuant to
 9 paragraph (1) of subdivision (d) of Section 44695.3.

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11 Article 2. Training for Multiple-Subject Teachers of
 12 Pupils in Grades 4 to 8, Inclusive

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14 44696. The State Department of Education shall
 15 administer a program of grants to school districts and
 16 county offices of education for in-service training of
 17 multiple-subject teachers of pupils enrolled in grades 4 to
 18 8, inclusive.

19 44696.3. As a condition for receiving funds pursuant to
 20 this article, a school district shall certify to the State
 21 Department of Education all of the following:

22 (a) That funds received pursuant to this article are to
 23 be expended only for the purpose of providing in-service
 24 training in mathematics instruction to multiple-subject
 25 teachers who provide direct instructional services in
 26 mathematics to pupils enrolled in any of grades 4 to 8,
 27 inclusive, and to schoolsite administrators of those
 28 teachers.

29 (b) To the extent feasible with available funds, that all
 30 the multiple-subject teachers in the school district who
 31 provide direct instructional services in mathematics to
 32 pupils enrolled in grades 4 to 8, inclusive, have received,
 33 or will receive, the training provided pursuant to this
 34 article.

35 (c) That funds to be received by the school district
 36 pursuant to this article that are to be expended for
 37 contract providers of training shall be expended only for
 38 providers of in-service training that have been approved
 39 by the State Board of Education pursuant to Section
 40 44696.5.



1 (d) That a school district using its own current or
2 former employees, or both, to provide the training
3 pursuant to this article will include all of the elements
4 listed in subdivision (e).

5 (e) That funds received pursuant to this article shall be
6 expended only for the purpose of providing programs of
7 in-service training in mathematics instruction that
8 address all of the following subjects:

9 (1) The mathematics content standards adopted by
10 the State Board of Education in 1997.

11 (2) In-depth understanding of the mathematics
12 underlying the adopted content standards for pupils in
13 kindergarten and in grades 1 to 8, inclusive.

14 (3) The curriculum framework and program
15 advisories, if any, that are based on the mathematics
16 content standards adopted by the State Board of
17 Education in 1997.

18 (4) The mathematics performance standards, if and
19 when they have been adopted by the State Board of
20 Education, related to adopted mathematics content
21 standards.

22 (5) The assessments, if and when they have been
23 adopted by the State Board of Education, related to
24 adopted mathematics content and performance
25 standards.

26 (6) Replicated research on how mathematical skills
27 are acquired.

28 (7) Replicated research on methods of teaching
29 mathematics that produce measurable growth on a
30 validated assessment of at least one grade level during a
31 school year of instruction.

32 (f) That funds received pursuant to this article are to
33 be expended only for programs of in-service training that
34 do not cause a reduction in pupil instructional time.

35 44695.5. (a) The State Board of Education, in
36 consultation with the Commission on Teacher
37 Credentialing, shall develop a list of contract providers of
38 in-service training in mathematics instruction that have
39 been approved by the board pursuant to this section.



1 (b) The Curriculum and Instructional Leadership
2 Branch of the State Department of Education shall
3 review the curricula of the program proposed by each
4 provider and make a recommendation to the State Board
5 of Education regarding approval or disapproval of the
6 application.

7 (c) Any person, or public, private, or private nonprofit
8 entity, that seeks to appear on the list of providers of
9 in-service training in mathematics instruction that may
10 be hired by a school district pursuant to this article, shall
11 submit an application to the State Board of Education
12 that includes the curricula of the program that will
13 provide the training described in all components of
14 subdivision (e) of Section 44696.3, in the time and manner
15 required by the board. The State Board of Education shall
16 consider the recommendation of the Curriculum and
17 Instructional Leadership Branch of the State
18 Department of Education and shall approve or
19 disapprove all applications within 60 working days of
20 receipt of the application. The State Board of Education
21 shall state the reasons for disapproving any application
22 received pursuant to this subdivision and any decision of
23 the board shall be based exclusively upon the criteria
24 published pursuant to subdivision (d).

25 (d) The State Board of Education shall establish
26 criteria for the approval of providers of in-service training
27 in mathematics instruction that meet the requirements of
28 subdivision (e) of Section 44696.3 and that include in their
29 training program a procedure for the evaluation of the
30 effectiveness of the training on teacher knowledge, skills,
31 and abilities.

32 (e) The State Board of Education shall maintain,
33 update regularly, and make available to school districts
34 through print and electronic media a list of providers of
35 in-service training in mathematics instruction that have
36 been approved by the board pursuant to this section.

37 (f) The State Board of Education may audit and study
38 the effectiveness of any program of in-service training
39 provided pursuant to this article.



1 44696.7. The State Department of Education shall
2 administer the grant application process. An application
3 from a school district and county office of education shall
4 include the following:

5 (a) Certification by the governing board of the school
6 district that the requirements of Section 44696.3 shall be
7 met.

8 (b) A description of how the school district shall
9 address, to the extent feasible, the following:

10 (1) Augmentation of resources for mathematics
11 instruction staff development through the use of funds
12 available from other local, state, and federal sources.

13 (2) Involvement of the parents and guardians of pupils
14 enrolled in the school district.

15 (3) A description of how the school district intends to
16 provide teachers time to collaborate, discuss, and reflect
17 on, and to the degree possible, be coached on the
18 classroom implementation of what has been provided in
19 staff development sessions.

20 44696.9. (a) The State Department of Education
21 shall award grants to school districts and county offices of
22 education on the basis of equal dollars per pupil in
23 enrollment in classes taught by multiple-subject teachers
24 in grades 4 to 8, inclusive, except that the minimum grant
25 awarded shall be one thousand dollars (\$1,000). The
26 allocation to a school district shall equal the product of the
27 following:

28 (1) The total funding provided in the annual Budget
29 Act or in any other act for the purposes of this article in
30 any fiscal year divided by the number of pupils enrolled
31 statewide in grades 4 to 8, inclusive, in classes taught by
32 multiple-subject teachers.

33 (2) The number of pupils enrolled in the school district
34 in grades 4 to 8, inclusive, in classes taught by
35 multiple-subject teachers.

36 (b) For purposes of this section, the certified
37 California Basic Educational Data System (CBEDS)
38 count from the fiscal year prior to the year for which the



1 funds are appropriated shall be used to determine
2 enrollment.

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