
SECOND SUBSTITUTE SENATE BILL 5624

State of Washington

63rd Legislature

2013 Regular Session

By Senate Ways & Means (originally sponsored by Senators McAuliffe, Litzow, Shin, Kohl-Welles, Hasegawa, Rolfes, Hobbs, Becker, Frockt, Chase, Eide, and Conway)

READ FIRST TIME 03/01/13.

1 AN ACT Relating to aligning high-demand secondary STEM or career
2 and technical education programs with applied baccalaureate programs;
3 amending RCW 28A.300.515; and adding a new section to chapter 28B.50
4 RCW.

5 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF WASHINGTON:

6 **Sec. 1.** RCW 28A.300.515 and 2007 c 396 s 15 are each amended to
7 read as follows:

8 The superintendent of public instruction shall provide support for
9 statewide coordination for math, science, and technology, including
10 employing a statewide director for math, science, and technology. The
11 duties of the director shall include, but not be limited to:

12 (1) Within funds specifically appropriated therefor, obtain a
13 statewide license, or otherwise obtain and disseminate, an interactive,
14 project-based high school and middle school technology curriculum that
15 includes a comprehensive professional development component for
16 teachers and, if possible, counselors, and also includes a systematic
17 program evaluation. The curriculum must be distributed to all school
18 districts, or as many as feasible, by the 2007-08 school year;

1 (2) Within funds specifically appropriated therefor, supporting a
2 public-private partnership to assist school districts with implementing
3 an ongoing, inquiry-based science program that is based on a research-
4 based model of systemic reform and aligned with the Washington state
5 science grade level expectations;

6 (3) Within funds specifically appropriated therefor, supporting a
7 public-private partnership to provide enriching opportunities in
8 mathematics, engineering, and science for underrepresented students in
9 grades kindergarten through twelve using exemplary materials and
10 instructional approaches;

11 (4) In an effort to increase precollege and prework interest in
12 math, science, and technology fields, in collaboration with the
13 community and technical colleges, the four-year institutions of higher
14 education, and the workforce training and education coordinating board,
15 conducting outreach efforts to attract middle and high school students
16 to careers in math, science, and technology and to educate students
17 about the coursework that is necessary to be adequately prepared to
18 succeed in these fields;

19 (5) Coordinating youth opportunities in math, science, and
20 technology, including facilitating student participation in school
21 clubs, state-level fairs, national competitions, and encouraging
22 partnerships between students and university faculty or industry to
23 facilitate such student participation;

24 (6) Developing and maintaining public-private partnerships to
25 generate business and industry assistance to accomplish the following:

26 (a) Increasing student engagement and career awareness, including
27 increasing student participation in the youth opportunities in
28 subsection (5) of this section;

29 (b) Creation and promotion of student scholarships, internships,
30 and apprenticeships;

31 (c) Provision of relevant teacher experience and training,
32 including on-the-job professional development opportunities;

33 (d) Upgrading kindergarten through twelfth grade school equipment
34 and facilities to support high quality math, science, and technology
35 programs;

36 (7) Assembling a cadre of inspiring speakers employed or
37 experienced in the relevant fields to speak to kindergarten through
38 twelfth grade students to demonstrate the breadth of the opportunities

1 in the relevant fields as well as share the types of coursework that
2 (~~is~~~~are~~) are necessary for someone to be successful in the relevant
3 field;

4 (8) Providing technical assistance to schools and school districts,
5 including working with counselors in support of the math, science, and
6 technology programs; (~~and~~)

7 (9) Subject to available funding, working with the state board for
8 community and technical colleges to develop high-demand applied
9 baccalaureate programs that align with high quality secondary science,
10 technology, engineering, and mathematics programs and career and
11 technical education programs; and

12 (10) Reporting annually to the legislature about the actions taken
13 to provide statewide coordination for math, science, and technology.

14 NEW SECTION. Sec. 2. A new section is added to chapter 28B.50 RCW
15 to read as follows:

16 Subject to the availability of amounts appropriated for this
17 specific purpose and in addition to other applied baccalaureate degree
18 programs and pursuant to the criteria in RCW 28B.50.810, the college
19 board shall select community or technical colleges to develop and offer
20 two programs that support the continuation of high quality science,
21 technology, engineering, and mathematics programs or career and
22 technical education programs offered to students in kindergarten
23 through twelfth grade who are prepared and aspire to continue in these
24 high-demand areas in college and the workforce. Subject to available
25 funding, a college selected under this section may develop the
26 curriculum for and design and deliver courses leading to a high-demand
27 applied baccalaureate degree.

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