

B-Engrossed
House Bill 2636

Ordered by the House June 26
Including House Amendments dated March 12 and June 26

Sponsored by Representative HARKER, Senator STEINER HAYWARD; Representative DAVIS (Presession filed.)

SUMMARY

The following summary is not prepared by the sponsors of the measure and is not a part of the body thereof subject to consideration by the Legislative Assembly. It is an editor's brief statement of the essential features of the measure.

Establishes STEM Investment Council. Charges council with tasks related to advancement of educational goals related to science, technology, engineering and mathematics.

Establishes STEM Investment Grant Program for purpose of providing funding to school districts, community colleges and public universities to advance educational goals related to science, technology, engineering and mathematics.

Establishes STEM Investment Grant Account. Appropriates moneys in account to [*council*] **Department of Education** for purpose of awarding grants under grant program.

[*Appropriates moneys from General Fund to council for purpose of awarding grants under grant program.*]

Declares emergency, effective July 1, 2013.

A BILL FOR AN ACT

1
2 Relating to advancement of STEM educational goals; creating new provisions; amending section 10,
3 chapter 519, Oregon Laws 2011; appropriating money; and declaring an emergency.

4 Whereas a highly educated workforce is critical to Oregon's ability to compete in the global
5 economy; and

6 Whereas all Oregon employers need employees to have basic knowledge and skills in science,
7 technology, engineering and mathematics (STEM); and

8 Whereas Oregon employers need access to highly educated professionals with advanced STEM
9 skills for the purpose of creating competitive products and services that draw money into Oregon's
10 economy and create jobs; and

11 Whereas providing high quality STEM educational opportunities for Oregon residents allows the
12 residents to participate in highly rewarding careers and to create products and services through a
13 wide variety of jobs; and

14 Whereas economic studies have shown that investments in STEM education result in increases
15 in personal income, public revenue and General Fund revenue; and

16 Whereas identifying clear goals, establishing oversight that ensures accountability, and deter-
17 mining and achieving specific measurable outcomes are critical for success; and

18 Whereas formal and informal collaboration between kindergarten through grade 12 schools,
19 community colleges and public and private colleges and universities is essential to achieving im-
20 provements in STEM education; and

21 Whereas a wide variety of best practices are available to increase students' interest and profi-
22 ciency in STEM education, including internships, mentorships, magnet schools, out-of-school pro-
23 grams, regional hubs, collective impact partnerships and teacher professional development; now,

NOTE: Matter in **boldfaced** type in an amended section is new; matter [*italic and bracketed*] is existing law to be omitted.
New sections are in **boldfaced** type.

1 therefore,

2 **Be It Enacted by the People of the State of Oregon:**

3 **SECTION 1. (1) The STEM Investment Council is established. The council shall function**
4 **under the direction and control of the Oregon Education Investment Board established by**
5 **section 1, chapter 519, Oregon Laws 2011.**

6 **(2)(a) The council is established for the purpose of assisting the Chief Education Officer**
7 **in developing and overseeing a long-term strategy that advances the following educational**
8 **goals related to science, technology, engineering and mathematics:**

9 **(A) Double the percentage of students in 4th and 8th grades who are proficient or ad-**
10 **vanced in mathematics and science, as determined using a nationally representative assess-**
11 **ment of students' knowledge in mathematics and science; and**

12 **(B) Double the number of students who earn a post-secondary degree requiring profi-**
13 **ciency in science, technology, engineering or mathematics.**

14 **(b) Achievement of the goals described in paragraph (a) of this subsection shall be de-**
15 **termined based on a comparison between the 2014-2015 school year or academic year and the**
16 **2024-2025 school year or academic year.**

17 **(3) To advance the educational goals described in subsection (2) of this section, the**
18 **council shall make recommendations to the Chief Education Officer regarding:**

19 **(a) The administration of the STEM Investment Grant Program established in section 7**
20 **of this 2013 Act; and**

21 **(b) Other investments in science, technology, engineering and mathematics that are**
22 **made or overseen by the Oregon Education Investment Board.**

23 **(4) The council consists of nine members from the private sector who are appointed by**
24 **the Chief Education Officer and serve at the pleasure of the Chief Education Officer.**

25 **(5) To aid and advise the council in the performance of the council's duties, the council:**

26 **(a) Shall recruit educators and administrators from kindergarten through grade 12 and**
27 **from post-secondary education to be nonvoting advisory members of the council;**

28 **(b) May recruit nonvoting advisory members to the council who are in addition to the**
29 **members identified in paragraph (a) of this subsection; and**

30 **(c) May establish advisory and technical committees that the council considers neces-**
31 **sary.**

32 **(6)(a) The Chief Education Officer shall appoint a council director. The council director**
33 **shall serve at the pleasure of the Chief Education Officer.**

34 **(b) Except as otherwise directed by the Chief Education Officer, the activities of the**
35 **council shall be directed and supervised by the council director.**

36 **(7) Members of the council are not entitled to compensation or reimbursement for ex-**
37 **penses and serve as volunteers of the council.**

38 **(8) The council shall report annually to the Oregon Education Investment Board and the**
39 **Legislative Assembly on the progress made toward achieving the goals described in sub-**
40 **section (2) of this section and the distribution of funds under the STEM Investment Grant**
41 **Program.**

42 **SECTION 2. When developing the long-term strategy that advances the educational goals**
43 **related to science, technology, engineering and mathematics described in section 1 (2) of this**
44 **2013 Act, the STEM Investment Council shall take into consideration the findings of the re-**
45 **port submitted by the Task Force on STEM Access and Success as required by section 1,**

1 **chapter 94, Oregon Laws 2012.**

2 **SECTION 3. Section 2 of this 2013 Act is repealed on June 30, 2018.**

3 **SECTION 4.** Section 1 of this 2013 Act is amended to read:

4 **Sec. 1.** (1) The STEM Investment Council is established. The council shall function under the
5 **joint** direction and control of the [*Oregon Education Investment Board established by section 1,*
6 *chapter 519, Oregon Laws 2011*] **State Board of Education and the State Board of Higher Edu-**
7 **cation.**

8 (2)(a) The council is established for the purpose of assisting the [*Chief Education Officer in*]
9 **Superintendent of Public Instruction, the Commissioner for Community College Services and**
10 **the Chancellor of the Oregon University System in jointly** developing and overseeing a long-
11 term strategy that advances the following educational goals related to science, technology, engi-
12 neering and mathematics:

13 (A) Double the percentage of students in 4th and 8th grades who are proficient or advanced in
14 mathematics and science, as determined using a nationally representative assessment of students'
15 knowledge in mathematics and science; and

16 (B) Double the number of students who earn a post-secondary degree requiring proficiency in
17 science, technology, engineering or mathematics.

18 (b) Achievement of the goals described in paragraph (a) of this subsection shall be determined
19 based on a comparison between the 2014-2015 school year or academic year and the 2024-2025 school
20 year or academic year.

21 (3) To advance the educational goals described in subsection (2) of this section, the council shall
22 make recommendations to [*the Chief Education Officer*]:

23 **(a) The Superintendent of Public Instruction** regarding[:]

24 [(a)] the administration of the STEM Investment Grant Program established in section 7 of this
25 2013 Act; and

26 **(b) The Superintendent of Public Instruction, the Commissioner for Community College**
27 **Services and the Chancellor of the Oregon University System regarding** other investments in
28 science, technology, engineering and mathematics that are made or overseen by the [*Oregon Edu-*
29 *cation Investment Board*] **State Board of Education or the State Board of Higher Education.**

30 (4) The council consists of nine members from the private sector who are **jointly** appointed by
31 the [*Chief Education Officer*] **Superintendent of Public Instruction, the Commissioner for**
32 **Community College Services and the Chancellor of the Oregon University System** and serve
33 at the pleasure of the [*Chief Education Officer*] **superintendent, commissioner and chancellor.**

34 (5) To aid and advise the council in the performance of the council's duties, the council:

35 (a) Shall recruit educators and administrators from kindergarten through grade 12 and from
36 post-secondary education to be nonvoting advisory members of the council;

37 (b) May recruit nonvoting advisory members to the council who are in addition to the members
38 identified in paragraph (a) of this subsection; and

39 (c) May establish advisory and technical committees that the council considers necessary.

40 (6)(a) The [*Chief Education Officer shall*] **Superintendent of Public Instruction, the Commis-**
41 **sioner for Community College Services and the Chancellor of the Oregon University System**
42 **shall jointly** appoint a council director. The council director shall serve at the pleasure of the [*Chief*
43 *Education Officer*] **superintendent, commissioner and chancellor.**

44 (b) Except as otherwise directed by the [*Chief Education Officer*] **Superintendent of Public**
45 **Instruction, the Commissioner for Community College Services and the Chancellor of the**

1 **Oregon University System**, the activities of the council shall be directed and supervised by the
2 council director.

3 (7) Members of the council are not entitled to compensation or reimbursement for expenses and
4 serve as volunteers of the council.

5 (8) The council shall *[report annually to the Oregon Education Investment Board]* **submit an**
6 **annual report to the State Board of Education, the State Board of Higher Education** and the
7 Legislative Assembly on the progress made toward achieving the goals described in subsection (2)
8 of this section and the distribution of funds under the STEM Investment Grant Program.

9 **SECTION 5.** Section 10, chapter 519, Oregon Laws 2011, as amended by section 1, chapter 37,
10 Oregon Laws 2012, is amended to read:

11 **Sec. 10. (1)** Sections 1, 2, 3, 5, 6 and 7, chapter 519, Oregon Laws 2011, are repealed on March
12 15, 2016.

13 **(2) The amendments to section 1 of this 2013 Act by section 4 of this 2013 Act become**
14 **operative on March 15, 2016.**

15 **(3) The amendments to section 7 of this 2013 Act by section 8 of this 2013 Act become**
16 **operative on March 15, 2016.**

17 **(4) The amendments to section 1 of this 2013 Act by section 6 of this 2013 Act become**
18 **operative on July 1, 2025.**

19 **SECTION 6.** Section 1 of this 2013 Act, as amended by section 4 of this 2013 Act, is amended
20 to read:

21 **Sec. 1. (1)** The STEM Investment Council is established. The council shall function under the
22 joint direction and control of the State Board of Education and the State Board of Higher Education.

23 (2)(a) The council is established for the purpose of assisting the Superintendent of Public In-
24 struction, the Commissioner for Community College Services and the Chancellor of the Oregon
25 University System in jointly developing and overseeing a long-term strategy that advances the fol-
26 lowing educational goals related to science, technology, engineering and mathematics:

27 (A) *[Double the]* **Having a specified** percentage of students in 4th and 8th grades who are pro-
28 ficient or advanced in mathematics and science, as determined using a nationally representative
29 assessment of students' knowledge in mathematics and science; and

30 (B) *[Double the]* **Having a specified** number of students who earn a post-secondary degree re-
31 quiring proficiency in science, technology, engineering or mathematics.

32 *[(b) Achievement of the goals described in paragraph (a) of this subsection shall be determined*
33 *based on a comparison between the 2014-2015 school year or academic year and the 2024-2025 school*
34 *year or academic year.]*

35 **(b) Achievement of the goals described in paragraph (a) of this subsection shall be de-**
36 **termined based on percentages and numbers determined by the council.**

37 (3) To advance the educational goals described in subsection (2) of this section, the council shall
38 make recommendations to:

39 (a) The Superintendent of Public Instruction regarding the administration of the STEM Invest-
40 ment Grant Program established in section 7 of this 2013 Act; and

41 (b) The Superintendent of Public Instruction, the Commissioner for Community College Services
42 and the Chancellor of the Oregon University System regarding other investments in science, tech-
43 nology, engineering and mathematics that are made or overseen by the State Board of Education
44 or the State Board of Higher Education.

45 (4) The council consists of nine members from the private sector who are jointly appointed by

1 the Superintendent of Public Instruction, the Commissioner for Community College Services and the
2 Chancellor of the Oregon University System and serve at the pleasure of the superintendent, com-
3 missioner and chancellor.

4 (5) To aid and advise the council in the performance of the council's duties, the council:

5 (a) Shall recruit educators and administrators from kindergarten through grade 12 and from
6 post-secondary education to be nonvoting advisory members of the council;

7 (b) May recruit nonvoting advisory members to the council who are in addition to the members
8 identified in paragraph (a) of this subsection; and

9 (c) May establish advisory and technical committees that the council considers necessary.

10 (6)(a) The Superintendent of Public Instruction, the Commissioner for Community College Ser-
11 vices and the Chancellor of the Oregon University System shall jointly appoint a council director.
12 The council director shall serve at the pleasure of the superintendent, commissioner and chancellor.

13 (b) Except as otherwise directed by the Superintendent of Public Instruction, the Commissioner
14 for Community College Services and the Chancellor of the Oregon University System, the activities
15 of the council shall be directed and supervised by the council director.

16 (7) Members of the council are not entitled to compensation or reimbursement for expenses and
17 serve as volunteers of the council.

18 (8) The council shall submit an annual report to the State Board of Education, the State Board
19 of Higher Education and the Legislative Assembly on the progress made toward achieving the goals
20 described in subsection (2) of this section and the distribution of funds under the STEM Investment
21 Grant Program.

22 **SECTION 7. (1) The STEM Investment Grant Program is established to provide funding**
23 **to school districts, community colleges and public universities listed in ORS 352.002 to ad-**
24 **vance the goals described in section 1 (2) of this 2013 Act.**

25 **(2) The STEM Investment Council shall evaluate grant applications and make recom-**
26 **mendations on the applications to the Chief Education Officer. Under the direction of the**
27 **Chief Education Officer, the Department of Education shall distribute moneys for the grant**
28 **program and otherwise administer the grant program.**

29 **(3)(a) An application for a grant awarded under this section may be submitted by:**

30 **(A) A school district;**

31 **(B) A community college district;**

32 **(C) A public university;**

33 **(D) The Department of Education;**

34 **(E) The Department of Community Colleges and Workforce Development;**

35 **(F) The Oregon University System;**

36 **(G) Any other state agency; or**

37 **(H) Any combination of entities identified in this paragraph that are organized as a**
38 **partnership or a regional effort to improve student achievement in science, technology, en-**
39 **gineering or mathematics.**

40 **(b) A grant awarded under this section may be used for:**

41 **(A) Classroom or extracurricular activities that further the development of skills related**
42 **to science, technology, engineering or mathematics; or**

43 **(B) A project that is related to science, technology, engineering or mathematics and that**
44 **involves collaboration with a private entity.**

45 **(4) When evaluating applications for a grant, the council:**

1 (a) Shall give priority to applications for activities or projects that produce the largest
2 impact at the lowest cost or for the greatest number of students throughout this state, in-
3 cluding grants for activities or projects that:

4 (A) Are determined by the council to be likely to become self-supporting within three
5 years;

6 (B) Expand evidence-based, effective practices in science, technology, engineering or
7 mathematics;

8 (C) Can be replicated by other entities in this state;

9 (D) Show evidence of attracting matching funds;

10 (E) If the applicant is an entity identified in subsection (3)(a)(A) to (C) of this section,
11 have demonstrable support from the governing body of the entity;

12 (F) Help improve access by underrepresented groups to activities that involve science,
13 technology, engineering or mathematics; or

14 (G) Are elements of a partnership or a regional effort to improve student achievement
15 in science, technology, engineering or mathematics;

16 (b) May give priority to applications for activities or projects that benefit students in
17 more than one student group among students in kindergarten through grade 12, students in
18 community colleges and students in universities;

19 (c) Shall attempt to achieve a balance, as determined by the council, among grants that
20 are awarded for the sole benefit of students in kindergarten through grade 12, students in
21 community colleges and students in universities; and

22 (d) Shall take into consideration geographic and demographic diversity.

23 **SECTION 8.** Section 7 of this 2013 Act is amended to read:

24 **Sec. 7.** (1) The STEM Investment Grant Program is established to provide funding to school
25 districts, community colleges and public universities listed in ORS 352.002 to advance the goals de-
26 scribed in section 1 (2) of this 2013 Act.

27 (2) The STEM Investment Council shall evaluate grant applications and make recommendations
28 on the applications to the [*Chief Education Officer*] **Superintendent of Public Instruction**. Under
29 the direction of the [*Chief Education Officer*] **Superintendent of Public Instruction**, the Depart-
30 ment of Education shall distribute moneys for the grant program and otherwise administer the grant
31 program.

32 (3)(a) An application for a grant awarded under this section may be submitted by:

33 (A) A school district;

34 (B) A community college district;

35 (C) A public university;

36 (D) The Department of Education;

37 (E) The Department of Community Colleges and Workforce Development;

38 (F) The Oregon University System;

39 (G) Any other state agency; or

40 (H) Any combination of entities identified in this paragraph that are organized as a partnership
41 or a regional effort to improve student achievement in science, technology, engineering or math-
42 ematics.

43 (b) A grant awarded under this section may be used for:

44 (A) Classroom or extracurricular activities that further the development of skills related to
45 science, technology, engineering or mathematics; or

1 (B) A project that is related to science, technology, engineering or mathematics and that in-
2 volves collaboration with a private entity.

3 (4) The council shall evaluate applications for a grant and make recommendations to the De-
4 partment of Education. When evaluating applications, the council and department:

5 (a) Shall give priority to applications for activities or projects that produce the largest impact
6 at the lowest cost or for the greatest number of students throughout this state, including grants for
7 activities or projects that:

8 (A) Are determined by the council and department to be likely to become self-supporting within
9 three years;

10 (B) Expand evidence-based, effective practices in science, technology, engineering or mathemat-
11 ics;

12 (C) Can be replicated by other entities in this state;

13 (D) Show evidence of attracting matching funds;

14 (E) If the applicant is an entity identified in subsection (3)(a)(A) to (C) of this section, have de-
15 monstrable support from the governing body of the entity;

16 (F) Help improve access by underrepresented groups to activities that involve science, technol-
17 ogy, engineering or mathematics; or

18 (G) Are elements of a partnership or a regional effort to improve student achievement in sci-
19 ence, technology, engineering or mathematics;

20 (b) May give priority to applications for activities or projects that benefit students in more than
21 one student group among students in kindergarten through grade 12, students in community colleges
22 and students in universities;

23 (c) Shall attempt to achieve a balance, as determined by the council and department, among
24 grants that are awarded for the sole benefit of students in kindergarten through grade 12, students
25 in community colleges and students in universities; and

26 (d) Shall take into consideration geographic and demographic diversity.

27 **SECTION 9. The STEM Investment Grant Account is established in the State Treasury,
28 separate and distinct from the General Fund. Interest earned by the STEM Investment
29 Grant Account shall be credited to the account. Moneys in the account are continuously
30 appropriated to the Department of Education for the STEM Investment Grant Program es-
31 tablished by section 7 of this 2013 Act.**

32 **SECTION 10. This 2013 Act being necessary for the immediate preservation of the public
33 peace, health and safety, an emergency is declared to exist, and this 2013 Act takes effect
34 July 1, 2013.**