

FIRST REGULAR SESSION
SENATE COMMITTEE SUBSTITUTE FOR
HOUSE BILL NO. 248
99TH GENERAL ASSEMBLY

Reported from the Committee on Education, April 13, 2017, with recommendation that the Senate Committee Substitute do pass.

0629S.02C

ADRIANE D. CROUSE, Secretary.

AN ACT

To amend chapter 620, RSMo, by adding thereto one new section relating to the establishment of a statewide STEM career awareness program.

Be it enacted by the General Assembly of the State of Missouri, as follows:

Section A. Chapter 620, RSMo, is amended by adding thereto one new
2 section, to be known as section 620.2700, to read as follows:

**620.2700. 1. Subject to appropriation, the department of
2 elementary and secondary education shall establish a statewide
3 program to be known as the "STEM Career Awareness Program" to
4 increase STEM career awareness among students in grades six through
5 eight. For purposes of this section, "STEM" means science, technology,
6 engineering, and mathematics.**

**7 2. The department of elementary and secondary education shall
8 implement the statewide program beginning in the 2018-19 school
9 year. The program shall introduce students to a wide variety of STEM
10 careers and technology through an online-based STEM curriculum.**

**11 3. Prior to January 1, 2018, the department of elementary and
12 secondary education shall solicit proposals and select a provider for
13 the online program. The program selected shall meet the following
14 criteria:**

**15 (1) The program introduces students to a wide variety of STEM
16 careers and technologies, including curriculum explicitly focused on
17 more than eighty different careers and technologies;**

**18 (2) The curriculum is organized around the concept of solving
19 societal or human-centered problems, instead of focusing solely on
20 scientific concepts. The curriculum shall have at least ten different**

21 problems that emphasize different career clusters;

22 (3) The curriculum is designed for flexible implementation in a
23 wide variety of classrooms, including science, math, English, and social
24 studies, through lessons that emphasize the application of STEM
25 careers in these contexts;

26 (4) The curriculum demonstrates how math and language skills
27 appropriate to middle schools are utilized by STEM careers, making
28 classroom instruction relevant to students interested in STEM careers;

29 (5) The program utilizes game-based elements to encourage
30 engagement and competition with students and teams, including
31 automated online leaderboards;

32 (6) The program rewards students in the game format for
33 accomplishment in demonstrating the application of math and language
34 skills in the contexts of the STEM careers and technologies;

35 (7) The program automatically produces analytic reports for
36 individual students and for classes, including analysis of performance
37 against individual math and language skills objectives;

38 (8) The curriculum is available in a self-paced format over the
39 internet, allowing access to students through individual student
40 accounts anywhere that the student can access the internet;

41 (9) The curriculum includes a narrative soundtrack
42 accompanying and matching all instructional text to assist students in
43 developing reading skills in the context of STEM careers;

44 (10) The program has a validation from a national, third-party
45 nonprofit organization that the program increases STEM career
46 awareness and interest;

47 (11) The program shall be listed as a recommended STEM
48 resource in ACT's "Condition of STEM" 2015 report; and

49 (12) The program includes web-based professional development
50 for school staff.

51 4. Notwithstanding subsections 2 and 3 of this section, the
52 department of elementary and secondary education may choose a third-
53 party nonprofit entity to implement the statewide program, solicit
54 proposals, and select a provider as described under subsection 3 of this
55 section.

56 5. (1) There is hereby created in the state treasury the "STEM
57 Career Awareness Program Fund". The fund shall consist of any

58 appropriations, gifts, bequests, or public or private donations to such
59 fund. The state treasurer shall be custodian of the fund. In accordance
60 with sections 30.170 and 30.180, the state treasurer may approve
61 disbursements of public moneys in accordance with distribution
62 requirements and procedures developed by the department of
63 elementary and secondary education. The fund shall be a dedicated
64 fund and, upon appropriation, moneys in the fund shall be used solely
65 for the administration of this section.

66 (2) Notwithstanding the provisions of section 33.080 to the
67 contrary, any moneys remaining in the fund at the end of the biennium
68 shall not revert to the credit of the general revenue fund.

69 (3) The state treasurer shall invest moneys in the fund in the
70 same manner as other funds are invested. Any interest and moneys
71 earned on such investments shall be credited to the fund.

72 6. The department of elementary and secondary education may
73 promulgate all necessary rules and regulations for the administration
74 of this section. Any rule or portion of a rule, as that term is defined in
75 section 536.010, that is created under the authority delegated in this
76 section shall become effective only if it complies with and is subject to
77 all of the provisions of chapter 536 and, if applicable, section
78 536.028. This section and chapter 536 are nonseverable, and if any of
79 the powers vested with the general assembly pursuant to chapter 536
80 to review, to delay the effective date, or to disapprove and annul a rule
81 are subsequently held unconstitutional, then the grant of rulemaking
82 authority and any rule proposed or adopted after August 28, 2017, shall
83 be invalid and void.

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