

HOUSE BILL NO. 2671

98TH GENERAL ASSEMBLY

INTRODUCED BY REPRESENTATIVE FITZWATER (49).

6748H.011

D. ADAM CRUMBLISS, Chief Clerk

AN ACT

To amend chapter 161, RSMo, by adding thereto one new section relating to the establishment of the STEM career awareness pilot program.

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

Section A. Chapter 161, RSMo, is amended by adding thereto one new section, to be known as section 161.1060, to read as follows:

161.1060. 1. Subject to appropriation, the department of elementary and secondary education shall establish a pilot program to be known as the "STEM Career Awareness Pilot Program" to increase STEM career awareness among students in grades six through twelve. For purposes of this section, "STEM" means science, technology, engineering, and mathematics.

2. The department shall select twenty-five secondary schools for participation in the program, which shall be implemented beginning in the 2017-18 school year. The program shall introduce students to a wide variety of STEM careers and technology through an online-based STEM curriculum.

3. Prior to January 1, 2017, the department shall solicit proposals and select a provider for the online program. The program selected shall meet the following criteria:

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

(2) The curriculum is organized around the concept of solving societal or human-centered problems, instead of focusing solely on scientific concepts. The

EXPLANATION — Matter enclosed in bold-faced brackets [thus] in the above bill is not enacted and is intended to be omitted from the law. Matter in **bold-face** type in the above bill is proposed language.

17 curriculum shall have at least ten different problems that emphasize different career clusters;

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

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

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

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

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

32 (8) The curriculum is available in a self-paced format over the Internet, allowing
33 access to students through individual student accounts anywhere that the student can
34 access the Internet;

35 (9) The curriculum includes a narrative sound track accompanying and matching
36 all instruction text to assist students in developing reading skills in the context of STEM
37 careers;

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

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

42 (12) The program includes web-based professional development for school staff;
43 and

44 (13) The program allows unlimited use for all students at the selected schools
45 during the pilot program period.

46 4. The department shall terminate the STEM Career Awareness pilot program on
47 August 28, 2022. Before December 31, 2022, the department shall submit a report to the
48 general assembly that contains the results of the pilot program, including any benefits
49 experienced by the schools chosen for participation in the program.

50 5. (1) There is hereby created in the state treasury the "STEM Career Awareness
51 Pilot Program Fund". The fund shall consist of any appropriations to such fund. The
52 state treasurer shall be custodian of the fund. In accordance with sections 30.170 and

53 **30.180, the state treasurer may approve disbursements of public moneys in accordance**
54 **with distribution requirements and procedures developed by the department of elementary**
55 **and secondary education. The fund shall be a dedicated fund and, upon appropriation,**
56 **moneys in the fund shall be used solely for the administration of this section.**

57 **(2) Notwithstanding the provisions of section 33.080 to the contrary, any moneys**
58 **remaining in the fund at the end of the biennium shall not revert to the credit of the**
59 **general revenue fund.**

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

63 **6. The department of elementary and secondary education may promulgate all**
64 **necessary rules and regulations for the administration of this section. Any rule or portion**
65 **of a rule, as that term is defined in section 536.010, that is created under the authority**
66 **delegated in this section shall become effective only if it complies with and is subject to all**
67 **of the provisions of chapter 536 and, if applicable, section 536.028. This section and**
68 **chapter 536 are nonseverable, and if any of the powers vested with the general assembly**
69 **pursuant to chapter 536 to review, to delay the effective date, or to disapprove and annul**
70 **a rule are subsequently held unconstitutional, then the grant of rulemaking authority and**
71 **any rule proposed or adopted after August 28, 2016, shall be invalid and void.**

72 **7. The provisions of this section shall expire December 31, 2022.**

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