

House \_\_\_\_\_ Amendment NO. \_\_\_\_\_

Offered By \_\_\_\_\_

1 AMEND House Committee Substitute for Senate Bill No. 478, Page 7, Section 167.121, Line 42,  
2 by inserting immediately after said line the following:

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

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

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

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

15 (2) The curriculum is organized around the concept of solving societal or human-centered  
16 problems, instead of focusing solely on scientific concepts. The curriculum shall have at least ten  
17 different problems that emphasize different career clusters;

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

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

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

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

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

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

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

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

36 (11) The program shall be listed as a recommended STEM resource in ACT's "Condition of

Action Taken \_\_\_\_\_ Date \_\_\_\_\_

1 STEM" 2015 report; and

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

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

6 5. (1) There is hereby created in the state treasury the "STEM Career Awareness Program  
7 Fund". The fund shall consist of any appropriations, gifts, bequests, or public or private donations  
8 to such fund. The state treasurer shall be custodian of the fund. In accordance with sections 30.170  
9 and 30.180, the state treasurer may approve disbursements of public moneys in accordance with  
10 distribution requirements and procedures developed by the department of elementary and secondary  
11 education. The fund shall be a dedicated fund and, upon appropriation, moneys in the fund shall be  
12 used solely for the administration of this section.

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

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

17 6. The department of elementary and secondary education may promulgate all necessary  
18 rules and regulations for the administration of this section. Any rule or portion of a rule, as that  
19 term is defined in section 536.010, that is created under the authority delegated in this section shall  
20 become effective only if it complies with and is subject to all of the provisions of chapter 536 and, if  
21 applicable, section 536.028. This section and chapter 536 are nonseverable, and if any of the  
22 powers vested with the general assembly pursuant to chapter 536 to review, to delay the effective  
23 date, or to disapprove and annul a rule are subsequently held unconstitutional, then the grant of  
24 rulemaking authority and any rule proposed or adopted after August 28, 2017, shall be invalid and  
25 void."; and

26  
27 Further amend said bill by amending the title, enacting clause, and intersectional references  
28 accordingly.