

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

Offered By

1 AMEND House Committee Substitute for House Bill Nos. 2565 & 2564, Page 4, Section 161.1055,  
2 Line 89, by inserting after all of said section and line the following:

3  
4 "161.1060. 1. Subject to appropriation, the department of elementary and secondary  
5 education shall establish a pilot program to be known as the "STEM Career Awareness Pilot  
6 Program" to increase STEM career awareness among students in grades six through twelve. For  
7 purposes of this section, "STEM" means science, technology, engineering, and mathematics.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6           4. The department shall terminate the STEM Career Awareness pilot program on August 28,  
7 2022. Before December 31, 2022, the department shall submit a report to the general assembly that  
8 contains the results of the pilot program, including any benefits experienced by the schools chosen  
9 for participation in the program.

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

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

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

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

30           7. The provisions of this section shall expire December 31, 2022."; and

31  
32 Further amend said bill by amending the title, enacting clause, and intersectional references  
33 accordingly.