

House _____ Amendment NO. _____

Offered By

1 AMEND House Committee Substitute for House Bill No. 1928, Page 1, In the Title, Line 2, by
2 deleting the word "dyslexia" and inserting in lieu thereof the following:

3
4 "elementary and secondary education"; and

5
6 Further amend said bill, Page 2, Section 161.1005, Line 23, by inserting after all of said section and
7 line the following:

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9 "161.1060. 1. Subject to appropriation, the department of elementary and secondary
10 education shall establish a pilot program to be known as the "STEM Career Awareness Pilot
11 Program" to increase STEM career awareness among students in grades six through twelve. For
12 purposes of this section, "STEM" means science, technology, engineering, and mathematics.

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

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

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

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

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

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

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

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

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

36 (8) The curriculum is available in a self-paced format over the Internet, allowing access to

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1 students through individual student accounts anywhere that the student can access the Internet;

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

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

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

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

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

11 4. The department shall terminate the STEM Career Awareness pilot program on August 28,
12 2022. Before December 31, 2022, the department shall submit a report to the general assembly that
13 contains the results of the pilot program, including any benefits experienced by the schools chosen
14 for participation in the program.

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

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

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

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

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

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37 Further amend said bill by amending the title, enacting clause, and intersectional references
38 accordingly.