

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

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

1 AMEND House Bill No. 1623, Page 1, Section 170.018, Lines 5-8, by deleting all of said lines and  
2 inserting in lieu thereof the following:

3  
4 "(2) The department of elementary and secondary education shall, before July 1, 2020,  
5 develop a high school graduation policy that allows a student to fulfill one unit of academic credit  
6 with a district-approved computer science course offered in any school year after the 2019-20 school  
7 year for any math, science, or practical arts unit required for high school graduation. The policy  
8 shall prohibit a student from using a district-approved computer science course to fulfill a math,  
9 science, or practical arts unit required for high school graduation if the student has elected to fulfill  
10 one unit of a math, science, or practical arts unit required for high school graduation with a  
11 computer programming course described under section 170.035.

12 (3) A school district shall communicate to students electing to use a computer science  
13 course for a mathematics unit that some institutions of higher education may require four units of  
14 academic credit in mathematics for college admission. The parent, guardian, or legal custodian of  
15 each student who chooses to take a computer science course to fulfill a fourth unit of academic  
16 credit in mathematics shall sign and submit to the school district a document containing a statement  
17 acknowledging that taking a computer science course to fulfill a fourth unit of academic credit in  
18 mathematics may have an adverse effect on college admission decisions."; and  
19

20 Further amend said bill and section, Page 3, Line 64, by inserting after all of said line the following:

21  
22 "170.035. 1. For purposes of this section, "computer programming" means the writing and  
23 implementation of low-level and high-level languages that can be translated into machine language  
24 and then executed by a computer.

25 2. In the 2019-20 school year, each school district may offer a course on computer  
26 programming to all students attending high school in its district.

27 3. Any school district offering the computer programming course described under  
28 subsection 2 of this section may:

29 (1) Develop its own curriculum for the computer programming course;

30 (2) Use a curriculum already established for a computer programming course it offered  
31 before the effective date of this section; or

32 (3) Use a curriculum for any virtual or online computer programming course developed by  
33 the department of elementary and secondary education.

34 4. (1) The department of elementary and secondary education shall, before July 1, 2019,  
35 develop a high school graduation policy that allows a student to fulfill one unit of academic credit  
36 with a computer programming course offered in the 2019-20 school year by a school district in

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1 accordance with this section for any math, science, or practical arts unit required for high school  
2 graduation. The policy shall prohibit a student from using the computer programming course to  
3 fulfill a math, science, or practical arts unit required for high school graduation if the student has  
4 elected to fulfill one unit of a math, science, or practical arts unit required for high school  
5 graduation with a computer science course described under section 170.018.

6 (2) A school district shall communicate to students electing to use a computer programming  
7 course for a mathematics unit that some institutions of higher education may require four units of  
8 academic credit in mathematics for college admission. The parent, guardian, or legal custodian of  
9 each student who chooses to take a computer programming course to fulfill a fourth unit of  
10 academic credit in mathematics shall sign and submit to the school district a document containing a  
11 statement acknowledging that taking a computer programming course to fulfill a fourth unit of  
12 academic credit in mathematics may have an adverse effect on college admission decisions.

13 5. Students shall not be required to complete the computer programming course described  
14 under this section in order to graduate from high school.

15 6. Any computer programming course described under this section offered by a school  
16 district shall be taught by a teacher who holds a certificate of license to teach under section 168.021.  
17 Any other requirements related to the qualifications of the teacher or type of certificate shall be  
18 determined by each school district.

19 7. The computer programming course described under this section may be taught in any of  
20 the school district's facilities or at any location approved by the school district.

21 8. Any school district offering the computer programming course described under this  
22 section may offer the course as an online course or through videoconferencing so long as a teacher  
23 who holds a certificate of license to teach under section 168.021 supervises the delivery of the  
24 content to students."; and

25  
26 Further amend said bill and page, Section 620.2700, Line 6, by deleting the word, "implement" and  
27 inserting in lieu thereof the word, "promote"; and

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