

House _____ Amendment NO. _____

Offered By _____

1 AMEND House Committee Substitute for Senate Substitute for Senate Committee Substitute for
2 Senate Bill No. 152, Page 9, Section 160.565, Line 68, by inserting after all of said section and line
3 the following:
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5 "160.2700. For purposes of sections 160.2700 to 160.2725, "adult high school" means a
6 school that:

7 (1) Is for individuals who do not have a high school diploma and who are twenty-one years
8 of age or older;

9 (2) Offers an industry certification program or programs and a high school diploma in a
10 manner that allows students to earn a diploma at the same time that they earn an industry
11 certification;

12 (3) Offers [~~on-site~~] child care for children of enrolled students attending the school; and

13 (4) Is not eligible to receive funding under section 160.415 or 163.031.

14 160.2705. 1. The department of elementary and secondary education shall authorize before
15 January 1, 2018, a Missouri-based nonprofit organization meeting the criteria under subsection 2 of
16 this section to establish and operate four adult high schools, with:

17 (1) One adult high school to be located in a city not within a county;

18 (2) One adult high school to be located in a county of the third classification without a
19 township form of government and with more than forty-one thousand but fewer than forty-five
20 thousand inhabitants or a county contiguous to that county;

21 (3) One adult high school to be located in a county of the first classification with more than
22 two hundred sixty thousand but fewer than three hundred thousand inhabitants or a county
23 contiguous to that county; and

24 (4) One adult high school to be located in a county of the first classification with more than
25 one hundred fifty thousand but fewer than two hundred thousand inhabitants.

26 2. The department of elementary and secondary education shall grant the authorization
27 described under subsection 1 of this section based on a bid process conducted in accordance with the
28 rules and regulations governing purchasing through the office of administration. The successful
29 bidder shall:

30 (1) Demonstrate the ability to establish, within twenty-one months of the receipt of the
31 authorization, four adult high schools offering high school diplomas, an industry certification
32 program or programs, and [~~on-site~~] child care for children of the students attending the high schools;

33 (2) Commit at least two million dollars in investment for the purpose of establishing the
34 necessary infrastructure to operate four adult high schools;

35 (3) Demonstrate substantial and positive experience in providing services, including
36 industry certifications and job placement services, to adults twenty-one years of age or older whose

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educational and training opportunities have been limited by educational disadvantages, disabilities, homelessness, criminal history, or similar circumstances;

(4) Establish a partnership with a state-supported postsecondary education institution or more than one such partnership, if a partnership or partnerships are necessary in order to meet the requirements for an adult high school;

(5) Establish a comprehensive plan that sets forth how the adult high schools will help address the need for a sufficiently trained workforce in the surrounding region for each adult high school;

(6) Establish partnerships and strategies for engaging the community and business leaders in carrying out the goals of each adult high school;

(7) Establish the ability to meet quality standards through certified teachers and programs that support each student in his or her goal to find a more rewarding job;

(8) Establish a plan for assisting students in overcoming barriers to educational success including, but not limited to, educational disadvantages, homelessness, criminal history, disability, including learning disability such as dyslexia, and similar circumstances;

(9) Establish a process for determining outcomes of the adult high school, including outcomes related to a student's ability to find a more rewarding job through the attainment of a high school diploma and job training and certification; and

(10) Bids shall not include an administrative fee greater than ten percent.

3. (1) The department of elementary and secondary education shall establish academic requirements for students to obtain high school diplomas.

(2) Requirements for a high school diploma shall be based on an adult student's prior high school achievement and the remaining credits and coursework that would be necessary for the student to receive a high school diploma if he or she were in a traditional high school setting. The adult student shall meet the requirements with the same level of academic rigor as would otherwise be necessary to attain such credits.

(3) The adult high school authorized under this section shall award high school diplomas to students who successfully meet the established academic requirements. The adult high school authorized under this section shall confer the diploma as though the student earned the diploma at a traditional high school. The diploma shall have no differentiating marks, titles, or other symbols.

(4) Students at adult high schools may complete required coursework at their own pace and as available through the adult high school. They shall not be required to satisfy any specific number of class minutes. The adult high school may also make classes available to students online as may be appropriate. However, students shall not complete the majority of instruction of the school's curriculum online or through remote instruction. For the purposes of this subsection, synchronous instruction connecting students to a live class conducted in a Missouri adult high school shall be treated the same as in-person instruction.

(5) The department of elementary and secondary education shall not create additional regulations or burdens on the adult high school or the students attending the adult high schools beyond certifying necessary credits and ensuring that students have sufficiently mastered the subject matter to make them eligible for credit.

4. An adult high school shall be deemed a "secondary school system" for the purposes subdivision (15) of subsection 1 of section 210.211."; and

Further amend said bill, Page 58, Section 169.596, Line 56, by inserting after all of said section and line the following:

"170.018. 1. (1) For purposes of this section, "computer science course" means a course in which students study computers and algorithmic processes, including their principles, hardware and

1 software designs, implementation, and impact on society. The term shall include, but not be limited
 2 to, a stand-alone course at any elementary, middle, or high school or a course at any elementary or
 3 middle school that embeds computer science content within other subjects.

4 (2) The department of elementary and secondary education shall, before July 1, 2019,
 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 meeting the standards of subsection 2 of this
 7 section for any mathematics, science, or practical arts unit required for high school graduation. The
 8 policy shall require that all students have either taken all courses that require end-of-course
 9 examinations for math and science or are on track to take all courses that require end-of-course
 10 examinations for math and science under the Missouri school improvement program in order to
 11 receive credit toward high school graduation under this subsection.

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 unit of academic credit in
 16 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 unit of academic credit in
 18 mathematics may have an adverse effect on college admission decisions.

19 (4) The department of elementary and secondary education and the department of higher
 20 education and workforce development shall cooperate in developing and implementing academic
 21 requirements for computer science courses offered in any grade or grades not lower than the ninth
 22 nor higher than the twelfth grade.

23 2. (1) The department of elementary and secondary education shall convene a work group
 24 to develop and recommend rigorous academic performance standards relating to computer science
 25 for students in kindergarten and in each grade not higher than the twelfth grade. The work group
 26 shall include, but not be limited to, educators providing instruction in kindergarten or in any grade
 27 not higher than the twelfth grade and representatives from the department of elementary and
 28 secondary education, the department of higher education and workforce development, business and
 29 industry, and institutions of higher education. The department of elementary and secondary
 30 education shall develop written curriculum frameworks relating to computer science that may be
 31 used by school districts. The requirements of section 160.514 shall not apply to this section.

32 (2) The state board of education shall adopt and implement academic performance standards
 33 relating to computer science beginning in the 2019-20 school year.

34 3. Before July 1, 2019, the department of elementary and secondary education shall develop
 35 a procedure by which any teacher who holds a certificate of license to teach under section 168.021
 36 and demonstrates sufficient content knowledge of computer science shall receive a special
 37 endorsement on ~~[his or her]~~ the teacher's license signifying ~~[his or her]~~ the teacher's specialized
 38 knowledge in computer science.

39 4. (1) For purposes of this subsection, "eligible entity" means:

40 (a) A local educational agency, or a consortium of local educational agencies, in the state,
 41 including charter schools that have declared themselves local educational agencies;

42 (b) An institution of higher education in the state; or

43 (c) A nonprofit or private provider of nationally recognized and high-quality computer
 44 science professional development, as determined by the department of elementary and secondary
 45 education.

46 (2) There is hereby created in the state treasury the "Computer Science Education Fund".
 47 The fund shall consist of all moneys that may be appropriated to it by the general assembly and any
 48 gifts, contributions, grants, or bequests received from private or other sources for the purpose of
 49 providing teacher professional development programs relating to computer science. The state

1 treasurer shall be custodian of the fund. In accordance with sections 30.170 and 30.180, the state
 2 treasurer may approve disbursements. The fund shall be a dedicated fund and, upon appropriation,
 3 moneys in the fund shall be used solely for the administration of grants to eligible entities as
 4 described in this section. Notwithstanding the provisions of section 33.080 to the contrary, any
 5 moneys remaining in the fund at the end of the biennium shall not revert to the credit of the general
 6 revenue fund. The state treasurer shall invest moneys in the fund in the same manner as other funds
 7 are invested. Any interest and moneys earned on such investments shall be credited to the fund.

8 (3) The state board of education shall award grants from the computer science education
 9 fund to eligible entities for the purpose of providing teacher professional development programs
 10 relating to computer science. An eligible entity wishing to receive such a grant shall submit an
 11 application to the department of elementary and secondary education addressing how the entity
 12 plans to:

- 13 (a) Reach new and existing teachers with little computer science background;
- 14 (b) Use effective practices for professional development;
- 15 (c) Focus the training on the conceptual foundations of computer science;
- 16 (d) Reach and support historically underrepresented students in computer science;
- 17 (e) Provide teachers with concrete experience with hands-on, inquiry-based practices; and
- 18 (f) Accommodate the particular needs of students and teachers in each district and school.

19 5. (1) For all school years beginning on or after July 1, 2022, each:

20 (a) Public high school and charter high school shall offer at least one computer science
 21 course;

22 (b) Public middle school or charter middle school shall offer instruction in exploratory
 23 computer science; and

24 (c) Public elementary school or charter elementary school shall offer instruction in the
 25 basics of computer science and computational thinking.

26 (2) Any computer science course or instruction offered under this subsection shall:

27 (a) Be of high quality as defined by the state board of education;

28 (b) Meet or exceed the computer science performance standards developed and adopted by
 29 the department of elementary and secondary education under this section; and

30 (c) For any computer science course offered by a public high school or charter high school,
 31 offer the course in an in-person setting or as a virtual or distance course option only if a traditional
 32 classroom setting is not feasible.

33 (3) On or before June thirtieth of each school year, each school district shall submit to the
 34 department of elementary and secondary education a report for the current school year which shall
 35 include, but not be limited to:

36 (a) The names and course codes of computer science courses offered in each school in the
 37 district with a course description and which computer science performance standards are covered, to
 38 the extent such information is available;

39 (b) The number and percentage of students who enrolled in each computer science course,
 40 listed by the categories in subparagraphs a. to f. of this paragraph. If a category contains one to five
 41 students or contains a quantity of students that would allow the quantity of another category that
 42 contains five or fewer to be deduced, the number shall be replaced with a symbol:

43 a. Sex;

44 b. Race and ethnicity;

45 c. Special education status including, but not limited to, students receiving services under
 46 the federal Individuals with Disabilities Education Act (IDEA) (20 U.S.C. Section 1400 et seq., as
 47 amended) or Section 504 of the federal Rehabilitation Act of 1973 (29 U.S.C. Section 794), as
 48 amended;

49 d. English language learner status;

1 e. Eligibility for free or reduced price meals; and
 2 f. Grade level; and
 3 (c) The number of computer science instructors at each school, listed by the following
 4 categories:

5 a. Applicable certifications;

6 b. Sex;

7 c. Race and ethnicity; and

8 d. Highest academic degree.

9 (4) On or before June thirtieth of each school year, the department of elementary and
 10 secondary education shall post the following on the department's website:

11 (a) Data received under paragraphs (a) and (b) of subdivision (3) of this subsection,
 12 disaggregated by school and aggregated statewide; and

13 (b) Data received under paragraph (c) of subdivision (3) of this subsection, aggregated
 14 statewide.

15 (5) On or before June thirtieth of each school year, the department of elementary and
 16 secondary education shall publish a list of computer science course codes and names with a course
 17 description and an indication of which courses meet or exceed the department of elementary and
 18 secondary education's computer science performance standards.

19 6. The department of elementary and secondary education shall appoint a computer science
 20 supervisor. The computer science supervisor shall be responsible for implementing the provisions
 21 of this section.

22 7. For all school years beginning on or after July 1, 2022, a computer science course
 23 successfully completed and counted toward state graduation requirements shall be equivalent to one
 24 science course or one practical arts credit for the purpose of satisfying any admission requirements
 25 of any public institution of higher education in this state.

26 8. The department of elementary and secondary education shall promulgate rules to
 27 implement the provisions of this section. Any rule or portion of a rule, as that term is defined in
 28 section 536.010, that is created under the authority delegated in this section shall become effective
 29 only if it complies with and is subject to all of the provisions of chapter 536 and, if applicable,
 30 section 536.028. This section and chapter 536 are nonseverable, and if any of the powers vested
 31 with the general assembly pursuant to chapter 536 to review, to delay the effective date, or to
 32 disapprove and annul a rule are subsequently held unconstitutional, then the grant of rulemaking
 33 authority and any rule proposed or adopted after December 18, 2018, shall be invalid and void.";
 34 and

35
 36 Further amend said bill, Page 60, Section 170.029, Line 48, by inserting after all of said section and
 37 line the following:

38
 39 "170.036. 1. There is hereby established the "Computer Science Education Task Force".

40 2. The task force shall consist of the following members:

41 (1) Two members of the house of representatives, with one member to be appointed by the
 42 speaker of the house of representatives and one member to be appointed by the minority leader of
 43 the house of representatives;

44 (2) Two members of the senate, with one member to be appointed by the president pro
 45 tempore of the senate and one member to be appointed by the minority leader of the senate;

46 (3) The governor or the governor's designee;

47 (4) The commissioner of education or the commissioner's designee;

48 (5) The commissioner of higher education or the commissioner's designee; and

49 (6) Six members who represent the interests of each of the following groups, to be

1 appointed by the commissioner of education:

2 (a) The state board of education;

3 (b) Private industry in this state with interest in computer science;

4 (c) Nonprofit organizations;

5 (d) An association of school superintendents;

6 (e) A statewide association representing computer science teachers; and

7 (f) A secondary teacher leader from career and technical education representing computer
8 science teachers.

9 3. The mission of the computer science education task force shall be to develop a state
10 strategic plan for expanding a statewide computer science education program, including the
11 following:

12 (1) A statement of purpose that describes the objectives or goals the state board of education
13 will accomplish by implementing a computer science education program, the strategies by which
14 those goals will be achieved, and a timeline for achieving those goals;

15 (2) A summary of the current state landscape for K-12 computer science education,
16 including demographic reporting of students taking these courses;

17 (3) A plan for expanding computer science education opportunities to every school in the
18 state within five years and increasing the representation of students from traditionally underserved
19 groups, in computer science including female students, students from historically underrepresented
20 racial and ethnic groups, students with disabilities, English-language learner students, students who
21 qualify for free and reduced-price meals, and rural students;

22 (4) A plan for the development of rigorous standards and curriculum guidelines for K-12
23 computer science, including ways to incorporate computer science into existing standards at the
24 elementary level, as appropriate;

25 (5) A plan for ensuring teachers are well-prepared to begin teaching computer science,
26 including defining high-quality professional learning for in-service teachers and strategies for pre-
27 service teacher preparation;

28 (6) An ongoing evaluation process that is overseen by the state board of education;

29 (7) Proposed rules that incorporate the principles of the master plan into the state's public
30 education system as a whole; and

31 (8) A plan to ensure long-term sustainability for computer science education.

32 4. The speaker of the house of representatives shall designate the chair of the task force, and
33 the president pro tempore of the senate shall designate the vice chair of the task force.

34 5. Members of the task force shall serve without compensation, but the members and any
35 staff assigned to the task force shall receive reimbursement for actual and necessary expenses
36 incurred in attending meetings of the task force or any subcommittee thereof. All task force
37 members shall be subject to the same conflict of interest provisions in chapter 105 that are enforced
38 by the Missouri ethics commission in the same manner that elected or appointed officials and
39 employees are subject to such provisions.

40 6. The task force shall hold its first meeting within one month from the effective date of this
41 section.

42 7. Before June 30, 2022, the task force shall present a summary of its activities and any
43 recommendations for legislation to the general assembly.

44 8. The computer science education task force shall dissolve on June 30, 2023."; and

45
46 Further amend said bill by amending the title, enacting clause, and intersectional references
47 accordingly.