

SECOND REGULAR SESSION
[TRULY AGREED TO AND FINALLY PASSED]
HOUSE COMMITTEE SUBSTITUTE FOR
SENATE SUBSTITUTE FOR
SENATE COMMITTEE SUBSTITUTE FOR

SENATE BILL NOS. 894 & 921
99TH GENERAL ASSEMBLY

2018

5880H.09T

AN ACT

To repeal sections 161.106, 162.1115, 173.670, and 178.550, RSMo, and to enact in lieu thereof eight new sections relating to education curriculum involving science and technology.

Be it enacted by the General Assembly of the State of Missouri, as follows:

Section A. Sections 161.106, 162.1115, 173.670, and 178.550, RSMo, are
2 repealed and eight new sections enacted in lieu thereof, to be known as sections
3 161.106, 161.261, 162.1115, 167.910, 170.018, 170.028, 173.670, and 178.550, to
4 read as follows:

161.106. 1. The department of elementary and secondary education shall
2 provide staffing support including but not limited to statewide coordination for
3 career and technical student organizations' activities that are an integral part of
4 the instructional educational curriculum for career and technical education
5 programs approved by the department. Such career and technical organizations
6 shall include, but not be limited to, the nationally recognized organizations of
7 DECA, FBLA, FFA, FCCLA, HOSA, SkillsUSA, and TSA.

8 2. The department of elementary and secondary education shall [continue
9 to] handle the funds from the **career and technical student** organizations [in
10 the same manner as it did during school year 2011-12], with department
11 personnel maintaining responsibility for the receipt and disbursement of
12 funds. The department may ensure accountability and transparency by requiring

EXPLANATION—Matter enclosed in bold-faced brackets [thus] in this bill is not enacted and is intended to be omitted in the law.

13 the career and technical student organizations to provide sworn affidavits
14 annually by personnel in the organization who are responsible for such funds as
15 to the proper receipt and disbursement of such funds.

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

7 2. **The department of elementary and secondary education shall
8 promote the statewide program beginning in the 2019-20 school
9 year. The program shall introduce students to a wide variety of STEM
10 careers and technology through an online-based STEM curriculum.**

11 3. **Before January 1, 2019, the department of elementary and
12 secondary education shall solicit proposals and select a provider for
13 the online program. The program selected shall meet a majority of the
14 following criteria:**

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

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

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

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

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

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

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

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

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

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

47 **(11) The program shall be listed as a recommended STEM**
48 **resource in ACT's "Condition of STEM" 2015 report; and**

49 **(12) The program includes web-based professional development**
50 **for school staff.**

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

56 **5. (1) There is hereby created in the state treasury the "STEM**
57 **Career Awareness Program Fund". The fund shall consist of any**
58 **appropriations, gifts, bequests, or public or private donations to such**
59 **fund. The state treasurer shall be custodian of the fund. In accordance**
60 **with sections 30.170 and 30.180, the state treasurer may approve**
61 **disbursements of public moneys in accordance with distribution**
62 **requirements and procedures developed by the department of**
63 **elementary and secondary education. The fund shall be a dedicated**
64 **fund and, upon appropriation, moneys in the fund shall be used solely**
65 **for the administration of this section.**

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

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

72 **6. The department of elementary and secondary education may**
73 **promulgate all necessary rules and regulations for the administration**
74 **of this section. Any rule or portion of a rule, as that term is defined in**
75 **section 536.010, that is created under the authority delegated in this**
76 **section shall become effective only if it complies with and is subject to**
77 **all of the provisions of chapter 536 and, if applicable, section**
78 **536.028. This section and chapter 536 are nonseverable, and if any of**
79 **the powers vested with the general assembly pursuant to chapter 536**
80 **to review, to delay the effective date, or to disapprove and annul a rule**
81 **are subsequently held unconstitutional, then the grant of rulemaking**
82 **authority and any rule proposed or adopted after August 28, 2018, shall**
83 **be invalid and void.**

162.1115. 1. Notwithstanding any provision of law to the contrary, no
2 district shall be penalized for any reason under the Missouri school improvement
3 program if students who graduate from the district complete career and technical
4 education programs approved by the department of elementary and secondary
5 education but are not placed in occupations directly related to their training
6 within six months of graduating.

7 2. The department of elementary and secondary education shall revise its
8 scoring guide under the Missouri school improvement program to provide
9 additional points to districts that create and enter into a partnership with area
10 career centers, comprehensive high schools, industry, and business to develop and
11 implement a pathway for students to:

12 (1) Enroll in a program of career and technical education while in high
13 school;

14 (2) Participate and complete an internship or apprenticeship during their
15 final year of high school; and

16 (3) Obtain the industry certification or credentials applicable to their
17 program or career and technical education and internship or apprenticeship.

18 3. Each school district shall be authorized to create and enter into a
19 partnership with area career centers, comprehensive high schools, industry, and
20 business to develop and implement a pathway for students to:

21 (1) Enroll in a program of career and technical education while in high
22 school;

23 (2) Participate and complete an internship or apprenticeship during their
24 final year of high school; and

25 (3) Obtain the industry certification or credentials applicable to their
26 program or career and technical education and internship or apprenticeship.

27 4. **In complying with the provisions of subsection 3 of this**
28 **section, each school district may rely on technical coursework and**
29 **skills assessments developed for industry-recognized certificates and**
30 **credentials.**

31 5. The department of elementary and secondary education shall permit
32 student scores, that are from a nationally recognized examination that
33 demonstrates achievement of workplace employability skills, to count towards
34 credit for college and career readiness standards on the Missouri school
35 improvement program or any subsequent school accreditation or improvement
36 program.

167.910. 1. **There is hereby established the "Career Readiness**
2 **Course Task Force" to explore the possibility of a course covering the**
3 **topics described in this section being offered in the public schools to**
4 **students in eighth grade or ninth grade. Task force members shall be**
5 **chosen to represent the geographic diversity of the state. All task force**
6 **members shall be appointed before October 31, 2018. The task force**
7 **members shall be appointed as follows:**

8 (1) **A parent of a student attending elementary school, appointed**
9 **by a statewide association of parents and teachers;**

10 (2) **A parent of a student attending a grade not lower than the**
11 **sixth nor higher than the eighth grade, appointed by a statewide**
12 **association of parents and teachers;**

13 (3) **A parent of a student attending high school, appointed by a**
14 **statewide association of parents and teachers;**

15 (4) **An elementary education professional from an accredited**
16 **school district, appointed by agreement among the Missouri State**
17 **Teachers Association, the Missouri National Education Association, and**
18 **the American Federation of Teachers of Missouri;**

19 (5) **An education professional giving instruction in a grade or**
20 **grades not lower than the sixth nor higher than the eighth grade in an**
21 **accredited school district, appointed by agreement among the Missouri**
22 **State Teachers Association, the Missouri National Education**
23 **Association, and the American Federation of Teachers of Missouri;**

24 (6) **A secondary education professional from an accredited school**
25 **district, appointed by agreement among the Missouri State Teachers**

26 Association, the Missouri National Education Association, and the
27 American Federation of Teachers of Missouri;

28 (7) A career and technical education professional who has
29 experience serving as an advisor to a statewide career and technical
30 education organization, appointed by a statewide career and technical
31 education organization;

32 (8) An education professional from an accredited technical high
33 school, appointed by a statewide career and technical education
34 organization;

35 (9) A public school board member, appointed by a statewide
36 association of school boards;

37 (10) A secondary school principal, appointed by a statewide
38 association of secondary school principals;

39 (11) A principal of a school giving instruction in a grade or
40 grades not lower than the sixth nor higher than the eighth grade,
41 appointed by a statewide association of secondary school principals;

42 (12) An elementary school counselor, appointed by a statewide
43 association of school counselors;

44 (13) A school counselor from a school giving instruction in a
45 grade or grades not lower than the sixth nor higher than the eighth
46 grade, appointed by a statewide association of school counselors;

47 (14) A secondary school counselor, appointed by a statewide
48 association of school counselors;

49 (15) A secondary school career and college counselor, appointed
50 by a statewide association of school counselors;

51 (16) An apprenticeship professional, appointed by the division
52 of workforce development of the department of economic development;

53 (17) A representative of Missouri Project Lead the Way,
54 appointed by the statewide Project Lead the Way organization;

55 (18) A representative of the State Technical College of Missouri,
56 appointed by the State Technical College of Missouri;

57 (19) A representative of a public community college, appointed
58 by a statewide organization of community colleges; and

59 (20) A representative of a public four-year institution of higher
60 education, appointed by the commissioner of higher education.

61 2. The members of the task force established under subsection
62 1 of this section shall elect a chair from among the membership of the

63 task force. The task force shall meet as needed to complete its
64 consideration of the course described in subsection 5 of this section
65 and provide its findings and recommendations as described in
66 subsection 6 of this section. Members of the task force shall serve
67 without compensation. No school district policy or administrative
68 action shall require any education employee member to use personal
69 leave or incur a reduction in pay for participating on the task force.

70 3. The task force shall hold at least three public hearings to
71 provide an opportunity to receive public testimony including, but not
72 limited to, testimony from educators, local school boards, parents,
73 representatives from business and industry, labor and community
74 leaders, members of the general assembly, and the general public.

75 4. The department of elementary and secondary education shall
76 provide such legal, research, clerical, and technical services as the task
77 force may require in the performance of its duties.

78 5. The task force established under subsection 1 of this section
79 shall consider a course that:

80 (1) Gives students an opportunity to explore various career and
81 educational opportunities by:

82 (a) Administering career surveys to students and helping
83 students use Missouri Connections to determine their career interests
84 and develop plans to meet their career goals;

85 (b) Explaining the differences between types of colleges,
86 including two-year and four-year colleges, and noting the availability
87 of registered apprenticeship programs as alternatives to college for
88 students;

89 (c) Describing technical degrees offered by colleges;

90 (d) Explaining the courses and educational experiences offered
91 at community colleges;

92 (e) Describing the various certificates and credentials available
93 to earn at the school or other schools including, but not limited to,
94 career and technical education certificates described under section
95 170.029 and industry-recognized certificates and credentials;

96 (f) Advising students of any advanced placement courses that
97 they may take at the school;

98 (g) Describing any opportunities at the school for dual
99 enrollment;

- 100 **(h) Advising students of any Project Lead the Way courses**
101 **offered at the school and explaining how Project Lead the Way courses**
102 **help students learn valuable skills;**
- 103 **(i) Informing students of the availability of funding for**
104 **postsecondary education through the A+ schools program described**
105 **under section 160.545;**
- 106 **(j) Describing the availability of virtual courses;**
- 107 **(k) Describing the types of skills and occupations most in**
108 **demand in the current job market and those skills and occupations**
109 **likely to be in high demand in future years;**
- 110 **(l) Describing the typical salaries for occupations, salary trends,**
111 **and opportunities for advancement in various occupations;**
- 112 **(m) Emphasizing the opportunities available in careers involving**
113 **science, technology, engineering, and math;**
- 114 **(n) Advising students of the resources offered by workforce or**
115 **job centers;**
- 116 **(o) Preparing students for the ACT assessment or the ACT**
117 **WorkKeys assessments required for the National Career Readiness**
118 **Certificate;**
- 119 **(p) Administering a practice ACT assessment or practice ACT**
120 **WorkKeys assessments required for the National Career Readiness**
121 **Certificate to students;**
- 122 **(q) Advising students of opportunities to take the SAT and the**
123 **Armed Services Vocational Aptitude Battery;**
- 124 **(r) Administering a basic math test to students so that they can**
125 **assess their math skills;**
- 126 **(s) Administering a basic writing test to students so that they**
127 **can assess their writing skills;**
- 128 **(t) Helping each student prepare a personal plan of study that**
129 **outlines a sequence of courses and experiences that concludes with the**
130 **student reaching his or her postsecondary goals; and**
- 131 **(u) Explaining how to complete college applications and the Free**
132 **Application for Federal Student Aid;**
- 133 **(2) Focuses on career readiness and emphasizes the importance**
134 **of work ethic, communication, collaboration, critical thinking, and**
135 **creativity;**
- 136 **(3) Demonstrates that graduation from a four-year college is not**

137 the only pathway to success by describing to students at least sixteen
138 pathways to success in detail and including guest visitors who
139 represent each pathway described. In exploring how these pathways
140 could be covered in the course, the task force shall consider how
141 instructors for the course may be able to rely on assistance from
142 Missouri Career Pathways within the department of elementary and
143 secondary education;

144 (4) Provides student loan counseling; and

145 (5) May include parent-student meetings.

146 6. Before December 1, 2019, the task force established under
147 subsection 1 of this section shall present its findings and
148 recommendations to the speaker of the house of representatives, the
149 president pro tempore of the senate, the joint committee on education,
150 and the state board of education. Upon presenting the findings and
151 recommendations as described in this subsection, the task force shall
152 dissolve.

170.018. 1. (1) For purposes of this section, "computer science
2 course" means a course in which students study computers and
3 algorithmic processes, including their principles, their hardware and
4 software designs, their implementation, and their impact on society.

5 (2) The department of elementary and secondary education shall,
6 before July 1, 2019, develop a high school graduation policy that allows
7 a student to fulfill one unit of academic credit with a district-approved
8 computer science course meeting the standards of subsection 2 of this
9 section for any mathematics, science, or practical arts unit required for
10 high school graduation. The policy shall require that all students have
11 either taken all courses that require end-of-course examinations or are
12 on track to take all courses that require end-of-course examinations
13 under the Missouri school improvement program in order to receive
14 credit toward high school graduation under this subsection.

15 (3) A school district shall communicate to students electing to
16 use a computer science course for a mathematics unit that some
17 institutions of higher education may require four units of academic
18 credit in mathematics for college admission. The parent, guardian, or
19 legal custodian of each student who chooses to take a computer science
20 course to fulfill a fourth unit of academic credit in mathematics shall
21 sign and submit to the school district a document containing a

22 statement acknowledging that taking a computer science course to
23 fulfill a fourth unit of academic credit in mathematics may have an
24 adverse effect on college admission decisions.

25 (4) The department of elementary and secondary education and
26 the coordinating board for higher education shall cooperate in
27 developing and implementing academic requirements for computer
28 science courses offered in any grade or grades not lower than the ninth
29 nor higher than the twelfth grade.

30 2. (1) The department of elementary and secondary education
31 shall convene a work group to develop and recommend rigorous
32 academic performance standards relating to computer science for
33 students in kindergarten and in each grade not higher than the twelfth
34 grade. The work group shall include, but not be limited to, educators
35 providing instruction in kindergarten or in any grade not higher than
36 the twelfth grade and representatives from the department of
37 elementary and secondary education, the department of higher
38 education, business and industry, and institutions of higher
39 education. The department of elementary and secondary education
40 shall develop written curriculum frameworks relating to computer
41 science that may be used by school districts. The requirements of
42 section 160.514 shall not apply to this section.

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

46 3. Before July 1, 2019, the department of elementary and
47 secondary education shall develop a procedure by which any teacher
48 who holds a certificate of license to teach under section 168.021 and
49 demonstrates sufficient content knowledge of computer science shall
50 receive a special endorsement on his or her license signifying his or
51 her specialized knowledge in computer science.

52 4. (1) For purposes of this subsection, "eligible entity" means:

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

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

57 (c) A nonprofit or private provider of nationally recognized and
58 high-quality computer science professional development, as determined

59 by the state board of education.

60 (2) (a) There is hereby created in the state treasury the
61 "Computer Science Education Fund". The fund shall consist of all
62 moneys that may be appropriated to it by the general assembly and any
63 gifts, contributions, grants, or bequests received from private or other
64 sources for the purpose of providing teacher professional development
65 programs relating to computer science. The state treasurer shall be
66 custodian of the fund. In accordance with sections 30.170 and 30.180,
67 the state treasurer may approve disbursements. The fund shall be a
68 dedicated fund and, upon appropriation, moneys in the fund shall be
69 used solely for the administration of grants to eligible entities as
70 described in this section.

71 (b) Notwithstanding the provisions of section 33.080 to the
72 contrary, any moneys remaining in the fund at the end of the biennium
73 shall not revert to the credit of the general revenue fund.

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

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

83 (a) Reach new and existing teachers with little computer science
84 background;

85 (b) Use effective practices for professional development;

86 (c) Focus the training on the conceptual foundations of computer
87 science;

88 (d) Reach and support historically underrepresented students in
89 computer science;

90 (e) Provide teachers with concrete experience with hands-on,
91 inquiry-based practices; and

92 (f) Accommodate the particular needs of students and teachers
93 in each district and school.

94 5. The department of elementary and secondary education shall
95 promulgate rules to implement the provisions of this section. Any rule

96 or portion of a rule, as that term is defined in section 536.010, that is
97 created under the authority delegated in this section shall become
98 effective only if it complies with and is subject to all of the provisions
99 of chapter 536 and, if applicable, section 536.028. This section and
100 chapter 536 are nonseverable, and if any of the powers vested with the
101 general assembly pursuant to chapter 536 to review, to delay the
102 effective date, or to disapprove and annul a rule are subsequently held
103 unconstitutional, then the grant of rulemaking authority and any rule
104 proposed or adopted after August 28, 2018, shall be invalid and void.

170.028. 1. For purposes of this section, the following terms
2 mean:

3 (1) "Council", the career and technical education advisory council
4 established under section 178.550;

5 (2) "Industry certification", a full certification from a recognized
6 industry, trade, or professional association validating essential skills
7 of a particular occupation, which may include, but shall not be limited
8 to:

9 (a) Any certification related to a high-demand occupation as
10 described by the Missouri economic research and information center
11 (MERIC); and

12 (b) Perkins Technical Skills Assessment;

13 (3) "Occupational competency assessment", a national
14 standardized assessment of skills and knowledge in a specific career or
15 technical area, which may include, but shall not be limited to,
16 assessments offered by the National Occupational Competency Testing
17 Institute (NOCTI).

18 2. The council shall annually review, update, approve, and
19 recommend a list of industry certifications, state-issued professional
20 licenses, and occupational competency assessments.

21 3. A school district may use the list described under subsection
22 2 of this section as a resource in establishing programs of study that
23 meet their regional workforce needs under section 170.029.

24 4. The department of elementary and secondary education shall
25 identify any provider of a course that:

26 (1) Includes a Perkins Technical Skills Assessment that leads to
27 an industry-recognized credential that meets requirements related to
28 college and career readiness under the Missouri school improvement

29 **program; and**

30 **(2) Is recommended for college credit by a nationally recognized**
31 **body that provides course equivalency information to facilitate**
32 **decisions on the awarding of course credit.**

33 **5. (1) At least annually, the department of elementary and**
34 **secondary education shall provide the council with a list of all course**
35 **providers identified under subsection 4 of this section. The council**
36 **may recommend to the department of elementary and secondary**
37 **education that agreements described under subdivision (2) of this**
38 **subsection be entered into with one or more course providers identified**
39 **in the list.**

40 **(2) The department of elementary and secondary education may**
41 **enter into an agreement with a course provider recommended by the**
42 **council that governs the conditions under which school districts and**
43 **local educational agencies contract with the course provider.**

44 **(3) Any school district or local educational agency may contract**
45 **with the course provider to design or deliver career and technical**
46 **education programs described under section 170.029.**

173.670. 1. There is hereby established within the department of higher
2 education the "Missouri Science, Technology, Engineering and Mathematics
3 Initiative". The department of higher education may award matching funds
4 through this initiative to public institutions of higher education as part of the
5 annual appropriations process.

6 2. The purpose of the initiative shall be to provide support to increase
7 interest among elementary, secondary, and university students in fields of study
8 related to science, technology, engineering, and mathematics and to increase the
9 number of Missouri graduates in these fields at Missouri's public two- and four-
10 year institutions of higher education.

11 3. As used in this section, the following terms mean:

12 **(1) "Educational benefits", the funds provided by an employer to**
13 **a qualified individual or to an accredited educational institution for a**
14 **period of up to five years to pay any portion of the tuition or fees for**
15 **a qualified individual pursuing an advanced certificate, associate's**
16 **degree, bachelor's degree, master's degree, or doctorate degree in a**
17 **field of study related to health care, science, engineering, mathematics,**
18 **or information technology related programs;**

19 **(2) "Full-time position", an occupation lasting at least one year**

20 **that consists of at least thirty hours of work per week;**

21 **(3) "Internship", a program lasting at least eight weeks that**
22 **consists of at least fifteen hours of work per week;**

23 **(4) "State tax liability", any liability incurred by a taxpayer**
24 **under the provisions of chapter 143, excluding withholding tax imposed**
25 **by sections 143.191 to 143.265, or the tax imposed in chapter 147, 148,**
26 **or 153;**

27 **(5) "STEM field", a field involving science, technology,**
28 **engineering, or mathematics.**

29 4. There is hereby created a "Science, Technology, Engineering and
30 Mathematics Fund", which shall consist of money collected under this
31 section. The state treasurer shall be custodian of the fund and may approve
32 disbursements from the fund in accordance with sections 30.170 and
33 30.180. Upon appropriation, money in the fund shall be used solely for the
34 administration of this section. Any moneys remaining in the fund at the end of
35 the biennium shall not revert to the credit of the general revenue fund. The state
36 treasurer shall invest moneys in the fund in the same manner as other funds are
37 invested. Any interest and moneys earned on such investments shall be credited
38 to the fund.

39 [4.] 5. As part of the initiative, the department of higher education shall
40 develop a process to award grants to Missouri public two- and four-year
41 institutions of higher education and school districts that have entered into
42 articulation agreements to offer information technology certification through
43 technical course work leading to postsecondary academic credit through the
44 program established in section 173.675.

45 [5.] 6. The general assembly may appropriate funds to the science,
46 technology, engineering[,] and mathematics fund to match institution funds to
47 support the following programs, **as recommended by the department of**
48 **higher education:**

49 (1) [Endowed teaching professor programs, which provide funds to support
50 faculty who teach undergraduate courses in science, technology, engineering, or
51 mathematics fields at public institutions of higher education;

52 (2)] Scholarship programs, which provide financial aid or loan forgiveness
53 awards to Missouri students who study in the science, technology, engineering,
54 or mathematics fields or who plan to enter the teaching field in Missouri with an
55 emphasis on science, technology, engineering, and mathematics areas; **and**

56 [(3)] (2) Experiential youth programs [at public colleges or universities,]
57 designed to provide Missouri middle school, junior high, and high school students
58 with the opportunity to experience science, technology, engineering, and
59 mathematics fields through camps or other educational offerings[;

60 (4) Career enhancement programs for current elementary and secondary
61 teachers and professors at Missouri public and private colleges and universities
62 in the science, technology, engineering, or mathematics fields to improve the
63 quality of teaching].

64 **7. Any taxpayer in the state of Missouri who provides**
65 **educational benefits or selects a student majoring in a STEM field who**
66 **is attending a two-year or four-year public or private Missouri college**
67 **or university for an internship located in the state of Missouri, or who**
68 **selects a student who recently graduated with a degree in a STEM field**
69 **from any two-year or four-year public or private Missouri college or**
70 **university for a full-time position in a STEM field located in the state**
71 **of Missouri, may apply to have up to ten thousand dollars of the**
72 **taxpayer's state tax liability transferred from the general revenue fund**
73 **and placed in the science, technology, engineering and mathematics**
74 **fund established in subsection 4 of this section, upon approval by the**
75 **department of higher education and appropriation by the general**
76 **assembly. The department of higher education shall establish a**
77 **procedure for approving applications under this section. For purposes**
78 **of this subsection, the taxpayer's state tax liability shall be paid before**
79 **a transfer under this subsection occurs. The cumulative amount of**
80 **taxes transferred to the science, technology, engineering and**
81 **mathematics fund under this subsection shall not exceed an annual**
82 **total of two-hundred thousand dollars from all participating taxpayers**
83 **in tax year 2019, with such amount adjusted annually for inflation as**
84 **determined by the Consumer Price Index for all Urban Consumers for**
85 **the United States as reported by the Bureau of Labor Statistics, or its**
86 **successor index. In the event a donation is made to the fund from a**
87 **third party, that donation shall not count towards such annual limit.**

88 **8. The department of higher education may promulgate all**
89 **necessary rules and regulations for the administration of this**
90 **section. Any rule or portion of a rule, as that term is defined in section**
91 **536.010, that is created under the authority delegated in this section**
92 **shall become effective only if it complies with and is subject to all of**

93 **the provisions of chapter 536 and, if applicable, section 536.028. This**
94 **section and chapter 536 are nonseverable, and if any of the powers**
95 **vested with the general assembly pursuant to chapter 536 to review, to**
96 **delay the effective date, or to disapprove and annul a rule are**
97 **subsequently held unconstitutional, then the grant of rulemaking**
98 **authority and any rule proposed or adopted after August 28, 2018, shall**
99 **be invalid and void.**

178.550. 1. This section shall be known and may be cited as the "Career
2 and Technical Education Student Protection Act". There is hereby established
3 the "Career and Technical Education Advisory Council" within the department
4 of elementary and secondary education.

5 2. The advisory council shall be composed of [fifteen] **sixteen** members
6 who shall be Missouri residents. **The director of the department of**
7 **economic development, or his or her designee, shall be a member.** The
8 commissioner of education shall appoint the following members:

- 9 (1) A director or administrator of a career and technical education center;
- 10 (2) An individual from the business community with a background in
11 commerce;
- 12 (3) A representative from State Technical College of Missouri;
- 13 (4) Three current or retired career and technical education teachers who
14 also serve or served as an advisor to any of the nationally recognized career and
15 technical education student organizations of:
 - 16 (a) DECA;
 - 17 (b) Future Business Leaders of America (FBLA);
 - 18 (c) FFA;
 - 19 (d) Family, Career and Community Leaders of America (FCCLA);
 - 20 (e) Health Occupations Students of America (HOSA);
 - 21 (f) SkillsUSA; or
 - 22 (g) Technology Student Association (TSA);
- 23 (5) A representative from a business organization, association of
24 businesses, or a business coalition;
- 25 (6) A representative from a Missouri community college;
- 26 (7) A representative from Southeast Missouri State University or the
27 University of Central Missouri;
- 28 (8) An individual participating in an apprenticeship recognized by the
29 department of labor and industrial relations or approved by the United States

30 Department of Labor's Office of Apprenticeship;

31 (9) A school administrator or school superintendent of a school that offers
32 career and technical education.

33 3. Members **appointed by the commissioner of education** shall serve
34 a term of five years except for the initial appointments, which shall be for the
35 following lengths:

36 (1) One member shall be appointed for a term of one year;

37 (2) Two members shall be appointed for a term of two years;

38 (3) Two members shall be appointed for a term of three years;

39 (4) Three members shall be appointed for a term of four years;

40 (5) Three members shall be appointed for a term of five years.

41 4. Four members shall be from the general assembly. The president pro
42 tempore of the senate shall appoint two members of the senate of whom not more
43 than one shall be of the same party. The speaker of the house of representatives
44 shall appoint two members of the house of representatives of whom not more than
45 one shall be of the same party. The legislative members shall serve on the
46 advisory council until such time as they resign, are no longer members of the
47 general assembly, or are replaced by new appointments.

48 5. The advisory council shall have three nonvoting ex officio members:

49 (1) A director of guidance and counseling services at the department of
50 elementary and secondary education, or a similar position if such position ceases
51 to exist;

52 (2) The director of the division of workforce development; and

53 (3) A member of the coordinating board for higher education, as selected
54 by the coordinating board.

55 6. The assistant commissioner for the office of college and career readiness
56 of the department of elementary and secondary education shall provide staff
57 assistance to the advisory council.

58 7. The advisory council shall meet at least four times annually. The
59 advisory council may make all rules it deems necessary to enable it to conduct its
60 meetings, elect its officers, and set the terms and duties of its officers. The
61 advisory council shall elect from among its members a chairperson, vice
62 chairperson, a secretary-reporter, and such other officers as it deems
63 necessary. Members of the advisory council shall serve without compensation but
64 may be reimbursed for actual expenses necessary to the performance of their
65 official duties for the advisory council.

66 8. Any business to come before the advisory council shall be available on
67 the advisory council's internet website at least seven business days prior to the
68 start of each meeting. All records of any decisions, votes, exhibits, or outcomes
69 shall be available on the advisory council's internet website within forty-eight
70 hours following the conclusion of every meeting. Any materials prepared for the
71 members shall be delivered to the members at least five days before the meeting,
72 and to the extent such materials are public records as defined in section 610.010
73 and are not permitted to be closed under section 610.021, shall be made available
74 on the advisory council's internet website at least five business days in advance
75 of the meeting.

76 9. The advisory council shall make an annual written report to the state
77 board of education and the commissioner of education regarding the development,
78 implementation, and administration of the state budget for career and technical
79 education.

80 10. The advisory council shall annually submit written recommendations
81 to the state board of education and the commissioner of education regarding the
82 oversight and procedures for the handling of funds for student career and
83 technical education organizations.

84 11. The advisory council shall:

85 (1) Develop a comprehensive statewide short- and long-range strategic
86 plan for career and technical education;

87 (2) Identify service gaps and provide advice on methods to close such gaps
88 as they relate to youth and adult employees, workforce development, and
89 employers on training needs;

90 (3) Confer with public and private entities for the purpose of promoting
91 and improving career and technical education;

92 (4) Identify legislative recommendations to improve career and technical
93 education;

94 (5) Promote coordination of existing career and technical education
95 programs;

96 (6) Adopt, alter, or repeal by its own bylaws, rules and regulations
97 governing the manner in which its business may be transacted.

98 12. For purposes of this section, the department of elementary and
99 secondary education shall provide such documentation and information as to
100 allow the advisory council to be effective.

101 13. For purposes of this section, "advisory council" shall mean the career

102 and technical education advisory council.

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