

HOUSE BILL No. 2466

By Representative Huebert

Proposed Amendments to
House Bill No. 2466 #1
House Committee on Education
February 5, 2022
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Office of Revisor of Statutes

1 AN ACT concerning education; enacting the promoting advancement in
2 computing knowledge act; requiring computer science courses of
3 instruction in high schools; making and concerning appropriations for
4 the state board of regents and the state department of education for the
5 fiscal year ending June 30, 2023.

relating to

establishing the computer science preservice educator program;
authorizing scholarship awards to preservice teachers taking
computer science courses

6
7 Be it enacted by the Legislature of the State of Kansas:
8 Section 1.

9 DEPARTMENT OF EDUCATION

10 (a) There is appropriated for the above agency from the state general
11 fund for the fiscal year ending June 30, 2023, the following:
12 Computer science education advancement grant.....\$1,000,000
13 ~~Provided, That expenditures shall be made by the above agency from the~~
14 ~~computer science education advancement grant account for fiscal year~~
15 ~~2023 to provide grants to high-quality professional learning providers~~
16 ~~pursuant to the provisions of section 6, and amendments thereto.~~
17 Sec. 2.

Strike lines 8 through 36

18 STATE BOARD OF REGENTS

19 (a) There is appropriated for the above agency from the state general
20 fund for the fiscal year ending June 30, 2023, the following:
21 Computer science preservice educator grant.....\$1,000,000
22 ~~Provided, That expenditures shall be made by the above agency from the~~
23 ~~computer science preservice educator grant account for fiscal year 2023 to~~
24 ~~promote the advancement of computer science preservice teacher~~
25 ~~preparation in Kansas; *Provided further,* That moneys from the computer~~
26 ~~science preservice educator grant account may be expended by the above~~
27 ~~agency to provide scholarships to preservice teachers who are working~~
28 ~~towards a degree in elementary or secondary education who complete one~~
29 ~~course in computer science while enrolled in a state educational institution~~
30 ~~or community college; *And provided further,* That scholarships awarded~~
31 ~~pursuant to this subsection shall be made in an amount not to exceed~~
32 ~~\$1,000 and shall prioritize recruitment of candidates from~~
33 ~~underrepresented groups and candidates who agree to teach computer~~
34 ~~science in rural schools and schools with higher percentages of students~~
35 ~~from underrepresented groups; *And provided further,* That moneys from~~
36 ~~the computer science preservice educator grant account may also be~~

~~expanded by the above agency to support eligible preservice education programs in the state with the development and implementation of pathways in computer science education to help preservice teachers to add a certification to teach computer science education within their intended major and area of certification.~~

~~New Sec. 3. This act shall be known and may be cited as the promoting advancement in computing knowledge act.~~

~~New Sec. 4. As used in the promoting advancement in computing knowledge act:~~

~~(a) "Computer science" means the study of computers and algorithmic processes, including principles, hardware and software designs, implementation and impact on society.~~

~~(b) "Computer science course" means any standalone computer science course of instruction that teaches the content in the Kansas model standards for computer science.~~

~~(c) "High-quality professional learning" means professional development activities that:~~

- ~~(1) Clarify the conceptual foundations of computer science;~~
- ~~(2) teach research-based practices, including hands-on and inquiry-based learning; and~~
- ~~(3) are intended for existing teachers with or without prior computer science experience.~~

~~(d) "High-quality professional learning providers" means any school district, school district interlocal cooperative, school district cooperative, institution of higher education, nonprofit organization or private entity that:~~

- ~~(1) Has successfully designed, implemented and scaled high-quality professional learning for teachers; and~~
- ~~(2) is approved or recommended by the state board of education as providing high-quality professional learning.~~

~~New Sec. 5. (a) Beginning in the 2023-2024 school year, each high school operated by a school district shall offer at least one computer science course:~~

- ~~(b) A computer science course offered pursuant to this section shall:~~
 - ~~(1) Be high quality;~~
 - ~~(2) meet or exceed the Kansas model standards for computer science established by the state board of education; and~~
 - ~~(3) be made available in a traditional classroom setting, blended learning environment, online-based or other technology-based format that is tailored to meet the needs of each high school and each participating student.~~

~~(c) (1) Except as provided in paragraph (2), beginning with the entering ninth grade class in 2025-2026, students attending a high school~~

Strike lines 1 through 5

And by renumbering sections accordingly

The provisions of sections 1 through 4, and amendments thereto,

or a school district shall submit a plan to the state board of education describing how such district intends to offer such course and the school year such course will first be offered

1 ~~operated by a school district shall be required to earn one unit of credit in~~
2 ~~an approved high school computer science course for graduation.~~

3 ~~(2) For a student who has an individualized education program or a~~
4 ~~section 504 plan, the applicability of this subsection and the extent to~~
5 ~~which accommodations are provided to such student shall be governed by~~
6 ~~such student's individualized education program or 504 plan.~~

7 ~~(3) The provisions of this subsection shall expire on July 1, 2025, so~~
8 ~~that the legislature may review the progress made pursuant to the~~
9 ~~promoting advancement in computing knowledge act prior to the~~
10 ~~implementation of this subsection.~~

11 New Sec. 6. (a) Subject to appropriations therefor, the state board of
12 education may award grants to high-quality professional learning
13 providers to develop and implement teacher professional development
14 programs for the computer science courses required to be taught pursuant
15 to section 5, and amendments thereto.

3

16 (b) Grants awarded pursuant to this section may be used for the
17 following purposes:

- 18 (1) Providing high-quality professional learning;
- 19 (2) credentialing for computer science teachers, including, but not
- 20 limited to, reimbursement to teachers or providers for professional
- 21 learning, exam fees or college coursework;
- 22 (3) supporting computer science professional learning, including
- 23 mentoring and coaching;
- 24 (4) creating resources to support implementation of this act;
- 25 (5) student recruitment; and
- 26 (6) the development of teacher preparation programs.

27 (c) As a condition of receiving a grant pursuant to this section, a
28 high-quality professional learning provider shall submit an application to
29 the state department of education on a form and in a manner determined by
30 the state department of education. The application shall, at a minimum,
31 address how the provider will:

- 32 (1) Recruit new and existing teachers with little to no computer
- 33 science background;
- 34 (2) use research-based or evidence-based practices for high-quality
- 35 professional development;
- 36 (3) focus the professional learning on the conceptual foundations of
- 37 computer science;
- 38 (4) reach and support marginalized racial and ethnic groups
- 39 underrepresented in computer science;
- 40 (5) provide teachers with concrete experience with hands-on, inquiry-
- 41 based practices;
- 42 (6) accommodate both teacher and student needs; and
- 43 (7) ensure that participating districts shall begin offering a computer

(1) On or before January 15, 2023, and each January 15 thereafter, the state board shall prepare and submit a report to the governor and the legislature on the progress made pursuant to this act. Such report shall include for the immediately preceding school year:

- (A) The number of high schools that offered at least one computer science course;
- (B) the number of high-quality professional learning providers that received grants pursuant to section 4, and amendments thereto;
- (C) the number of teachers prepared by high-quality professional learning providers;
- (D) the number of teachers teaching computer science courses as compared to the number of teachers prepared by high-quality professional learning providers; and
- (E) the number of students reached, including the number and percentage of such students disaggregated by gender, race, ethnicity and socioeconomic status, by high-quality professional learning providers.

(2) The provisions of this subsection shall expire on July 1, 2025.

Strike in line 14

1 science course within the same or next school year after the teacher
2 receives the professional learning.

3 (d) The state board of education shall prioritize the following
4 applications:

5 (1) School districts that work in partnership with providers of high-
6 quality professional learning;

7 (2) proposals that describe strategies to enroll female students,
8 students from marginalized racial and ethnic groups underrepresented in
9 computer science, students eligible for free and reduced-price meals,
10 students with disabilities and English language learners; and

11 (3) proposals from rural or urban areas that experience difficulties
12 providing computer science offerings.

13 (e) Each high-quality professional learning provider that receives a
14 grant pursuant to this section shall annually report to the state board of
15 education:

16 (1) The number of teachers prepared;

17 (2) the number of students reached;

18 (3) the number and percent of students reached disaggregated by
19 gender, race, ethnicity and socioeconomic status; and

20 (4) the number of teachers and school districts that implemented
21 computer science courses versus the number of prepared teachers that
22 attended professional learning.

23 Sec. 7. This act shall take effect and be in force from and after its
24 publication in the statute book.

Sec. 5. (a) There is hereby established the computer science preservice educator program to promote the advancement of computer science preservice teacher preparation in Kansas.

(b) The state board of regents may award scholarships to preservice teachers who:

(1) Are enrolled in a course of instruction leading to licensure as a teacher; and

(2) have completed one course in computer science during such enrollment.

(c) Scholarships awarded under the program shall be in an amount not to exceed \$1,000 for each scholarship recipient. The state board of regents shall prioritize scholarship awards for applicants who:

(1) Are from underrepresented socioeconomic demographic groups; or

(2) agree to teach computer science in rural schools and schools with higher percentages of students from underrepresented socioeconomic demographic groups.

(d) The state board of regents may coordinate with postsecondary educational institutions to support eligible preservice education programs at such institutions with the development and implementation of pathways in computer science education to help preservice teachers obtain a certification to teach computer science education within their intended major and area of certification.

(e) The state board of regents shall adopt rules and regulations necessary to implement and administer the computer science preservice educator program, including, but not limited to, requirements for scholarship eligibility and applications for such scholarships.