

**HOUSE BILL No. 2466**

By Representative Huebert

1-5

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.

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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.

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

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

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

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

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

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

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

18 (1) Clarify the conceptual foundations of computer science;

19 (2) teach research-based practices, including hands-on and inquiry-  
20 based learning; and

21 (3) are intended for existing teachers with or without prior computer  
22 science experience.

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

27 (1) Has successfully designed, implemented and scaled high-quality  
28 professional learning for teachers; and

29 (2) is approved or recommended by the state board of education as  
30 providing high-quality professional learning.

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

34 (b) A computer science course offered pursuant to this section shall:

35 (1) Be high quality;

36 (2) meet or exceed the Kansas model standards for computer science  
37 established by the state board of education; and

38 (3) be made available in a traditional classroom setting, blended  
39 learning environment, online-based or other technology-based format that  
40 is tailored to meet the needs of each high school and each participating  
41 student.

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

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.

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 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.