Amendment to

Rules Committee Print 117–43

Offered by Ms. Lee of California

Add at the end the following:

Title VII—Additional Provisions

Sec. 701. Definitions.

In this title:

(1) Computational thinking.—The term “computational thinking” aims to capture the wide range of creative processes that go into formulating problems and their solutions in such a way that the solutions can be carried out by a computer, and may involve some understanding of software and hardware design, logic and the use of abstraction and representation, algorithm design, algorithm expression, problem decomposition, modularity, programming paradigms and languages, issues of information security and privacy, the application of computation across a wide range of disciplines, and the societal impact of computing. Programming is a hands-on, inquiry-based way in which computational thinking may be learned.
(2) **Computer Science Education.**—The term “computer science education” includes any of the following: computational thinking; software design; hardware architecture and organization; theoretical foundations; use of abstraction and representation in problem solving; logic; algorithm design and implementation; the limits of computation; programming paradigms and languages; parallel and distributed computing; information security and privacy; computing systems and networks; graphics and visualization; databases and information retrieval; the relationship between computing and mathematics; artificial intelligence; applications of computing across a broad range of disciplines and problems; cloud computing; and the social impacts and professional practices of computing.

(3) **Eligible Entity.**—In this section, the term “eligible entity” means a State, local educational agency, or eligible Tribal school that—

(A) demonstrates an ability to carry out an ambitious computer science education expansion effort for all students served by the State, agency, or school, respectively, including traditionally underrepresented students;
(B) in the case of a State, serves local educational agencies that meet the requirements of section 1003(f) of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 6303(f)); and

(C) in the case of a local educational agency, meets the requirements of such section 1003(f) (20 U.S.C. 6303(f)).

(4) ELIGIBLE TRIBAL SCHOOL.—The term “eligible Tribal school” means—

(A) a school operated by the Bureau of Indian Education;

(B) a school operated pursuant to the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450 et seq.); or

(C) a tribally controlled school (as defined in section 5212 of the Tribally Controlled Schools Act of 1988 (25 U.S.C. 2511)).

(5) INSTITUTION OF HIGHER EDUCATION.—The term “institution of higher education” has the meaning given the term in section 102 of the Higher Education Act of 1965 (20 U.S.C. 1002).

(6) LOCAL EDUCATIONAL AGENCY.—The term “local educational agency” has the meaning given

(7) POVERTY LINE.—The term “poverty line” has the meaning given the term in section 8101 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 8101).

(8) SECRETARY.—The term “Secretary” means the Secretary of Education.

(9) STATE.—The term “State” has the meaning given the term in section 8101 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 7801).

(10) STEAM.—The term “STEAM” means the subjects of science, technology, engineering, arts, and mathematics, including computer science.

SEC. 702. GRANTS TO STATES, LOCAL EDUCATIONAL AGENCIES, AND ELIGIBLE TRIBAL SCHOOLS.

(a) GRANTS TO STATES, LOCAL EDUCATIONAL AGENCIES, AND ELIGIBLE TRIBAL SCHOOLS.—

(1) IN GENERAL.—The Secretary shall award grants to eligible entities to serve as models for national replication of computer science education expansion efforts.

(2) CONSORTIA AND PARTNERSHIPS.—An eligible entity may apply for a grant under this section
as part of a consortium or in partnership with a State educational agency or other partner.

(3) **DURATION.**—Grants awarded under this section shall be for a period of not more than 5 years.

(b) **APPLICATION REQUIREMENTS.**—An eligible entity that desires a grant under this section shall submit an application to the Secretary at such time, in such manner, and containing such information as the Secretary may require, including, at a minimum, plans for the following:

(1) Every high school student served by eligible entity to have access to computer science education not later than 5 years after receipt of grant funds.

(2) All students served by the eligible entity to have access to a progression of computer science education from prekindergarten through middle school that prepares students for high school computer science education.

(3) Expansion of overall access to rigorous STEAM classes, utilizing computer science as a catalyst for increased interest in STEAM more broadly, and reducing the enrollment and academic achievement gap for underrepresented groups such as minorities, girls, and youth from families living at, or below, the poverty line.
(4) Continuous monitoring and evaluation of project activities.

(5) Effectively sustaining project activities after the grant period ends, and the length of time which the applicant plans to sustain the project activities.

(c) USE OF GRANT FUNDS.—

(1) REQUIRED ACTIVITIES.—An eligible entity that receives a grant under this section shall use the grant funds for the following activities:

(A) Training teachers to teach computer science.

(B) Expanding access to high-quality learning materials and online learning options.

(C) Creating plans for expanding overall access to rigorous STEAM classes, utilizing computer science as a catalyst for increased interest in STEAM more broadly, and reducing course equity gaps for all students, including underrepresented groups such as minorities, girls, and youth from low-income families.

(D) Ensuring additional support and resources, which may include mentoring for students traditionally underrepresented in STEAM fields.
(2) PERMISSIBLE ACTIVITIES.—An eligible entity that receives a grant under this section may use the grant funds for the following activities:

(A) Building effective regional collaborations with industry, nonprofit organizations, 2-year and 4-year degree granting institutions of higher education (including community colleges, Historically Black Colleges and Universities, Hispanic-serving institutions, Asian American and Native American Pacific Islander-serving institutions, American Indian Tribally controlled colleges and universities, Alaska Native and Native Hawaiian-serving institutions, Predominantly Black Institutions, Native American-serving, Nontribal institutions, and other minority-serving institutions), and out-of-school providers.

(B) Recruiting and hiring instructional personnel as needed, including curriculum specialists.

(C) Preparations for effectively sustaining project activities after the grant period ends.

(D) Disseminating information about effective practices.
(3) LIMITATION.—Not more than 15 percent of
a grant may be used to purchase equipment.

(d) NATIONAL ACTIVITIES.—The Secretary may re-
serve not more than 2.5 percent of funds available for
grants under this section for national activities, including
technical assistance, evaluation, and dissemination.

(e) AUTHORIZATION OF APPROPRIATIONS.—There
are authorized to be appropriated to carry out this section
a total of $250,000,000 for fiscal year 2022 and the suc-
ceeding 4 fiscal years.

SEC. 703. REPORTING REQUIREMENTS.

(a) GRANTEE REPORTS.—Each eligible entity that
receives a grant under this title shall submit to the Sec-
retary a report, not less than twice a year during the grant
period, on the use of grant funds that shall include data
on the numbers of students served through activities fund-
ed under this title, disaggregated by race (for Asian and
Native Hawaiian or Pacific Islander students using the
same race response categories as the decennial census of
the population), ethnicity, gender, and eligibility to receive
a free or reduced price lunch under the Richard B. Russell
National School Lunch Act (42 U.S.C. 1751 et seq.).

(b) REPORT BY THE SECRETARY.—Not later than 5
years after the first grant is awarded under this title, the
Secretary shall submit to Congress a report based on the
analysis of reports received under subsection (a) with a recommendation on how to expand the program under this title.

SEC. 704. AMENDMENTS TO OTHER LAWS.

(a) DEPARTMENT OF EDUCATION ORGANIZATION ACT.—Section 203(c)(1) of the Department of Education Organization Act (20 U.S.C. 3413(c)(1)) is amended by inserting before the semicolon the following: “, which shall include information with respect to the existence of computer science education (as defined in section 701 of the Workforce Innovation and Opportunity Act of 2022), disaggregated by the type of computer science education and by State, local educational agency, and eligible tribal school (as such terms are defined in such section 701)”.

(b) THE EDUCATION SCIENCES REFORM ACT OF 2002.—Section 153(a)(1) of the Education Sciences Reform Act of 2002 (20 U.S.C. 9543(a)(1)) is amended—

(1) in subparagraph (N), by striking “and”;

(2) in subparagraph (O), by adding “and” at the end; and

(3) by adding at the end the following:

“(P) the existence of computer science education (as defined in section 701 of the Workforce Innovation and Opportunity Act of 2022) in elementary schools and secondary
schools, and the degree of competency in computer science fields among such students.”