

115TH CONGRESS
2D SESSION

H. R. 6334

To support coding education.

IN THE HOUSE OF REPRESENTATIVES

JULY 11, 2018

Mr. CÁRDENAS (for himself and Mr. OLSON) introduced the following bill;
which was referred to the Committee on Education and the Workforce

A BILL

To support coding education.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Coding Opportunities
5 and Development for Equitable Students Act” or the
6 “High School CODES Act”.

7 **SEC. 2. DEFINITIONS.**

8 In this Act:

9 (1) CODING.—The term “coding” has the
10 meaning given the term in section 114(e)(6) of the
11 Carl D. Perkins Career and Technical Education
12 Act of 2006 (20 U.S.C. 2324(e)(6)).

1 (2) COMPUTER SCIENCE.—The term “computer
2 science” means the study of computers and algo-
3 rithmic processes, including the principles, hardware
4 and software designs, implementation, and impact
5 on society, of computers and algorithmic processes.

6 **SEC. 3. SENSE OF THE HOUSE.**

7 It is the sense of the House of Representatives that—

8 (1) States should support high schools in recog-
9 nizing coding and computer science classes as class-
10 es that count toward the fulfillment of graduation
11 requirements;

12 (2) it should be a priority to create a national
13 strategy to incorporate computer science and coding
14 into the elementary and secondary educational sys-
15 tem in the United States;

16 (3) learning to write and read code is critical to
17 creating and innovating in cyberspace, and learning
18 to write and read code is a skill critical to the na-
19 tional security and economic competitiveness of the
20 United States; and

21 (4) the modernization of the educational system
22 in the United States is a priority, and modernization
23 is necessary to bolster the next generation of high-
24 tech workers.

1 **SEC. 4. CODING DEMONSTRATION PROGRAM.**

2 Section 114 of the Carl D. Perkins Career and Tech-
3 nical Education Act of 2006 (20 U.S.C. 2324) is amend-
4 ed—

5 (1) by redesignating subsection (e) as sub-
6 section (f);

7 (2) in subsection (d)(2)(A), by striking “sub-
8 section (e)” and inserting “subsection (f)”;

9 (3) in subsection (d)(4)(A), by striking “sub-
10 section (e)” and inserting “subsection (f)”;

11 (4) by inserting after subsection (d) the fol-
12 lowing:

13 “(e) CODING DEMONSTRATION PROGRAM.—

14 “(1) IN GENERAL.—The Secretary shall carry
15 out a coding demonstration program, through which
16 the Secretary shall award grants to local educational
17 agencies to enable those local educational agencies to
18 establish new programs or expand existing programs
19 that allow high school students to take a coding
20 class in place of a mathematics, science, or foreign
21 language class in order to fulfill a graduation re-
22 quirement.

23 “(2) APPLICATION.—

24 “(A) IN GENERAL.—A local educational
25 agency desiring a grant under this subsection
26 shall submit an application to the Secretary at

1 such time, in such manner, and containing such
2 information as the Secretary may require, in-
3 cluding the information described in subpara-
4 graph (B).

5 “(B) CONTENTS.—An application sub-
6 mitted under subparagraph (A) shall include—

7 “(i) a strategy for obtaining future
8 funding to sustain the program after the
9 grant has ended from State, private, or
10 other non-Federal funding sources;

11 “(ii) a spending plan;

12 “(iii) a description of the goals of the
13 program; and

14 “(iv) a description of the statistics the
15 local educational agency will collect to in-
16 clude in the local educational agency’s re-
17 port to the Secretary described under para-
18 graph (4).

19 “(3) PRIORITY.—In awarding grants under this
20 subsection, the Secretary shall give priority to a
21 local educational agency submitting an application
22 under paragraph (2) that is located in a rural or un-
23 derserved area.

24 “(4) REPORT.—Not later than 5 years after the
25 date of enactment of this subsection, each local edu-

1 cational agency receiving a grant under paragraph
2 (1) shall submit to the Secretary a report about the
3 coding program activities carried out with grant
4 funds, including information and statistics about
5 that program’s findings, successes, and failures.

6 “(5) SUNSET.—This subsection shall remain in
7 effect until the date that is 5 years after the date
8 of enactment of this subsection.

9 “(6) DEFINITIONS.—

10 “(A) CODING.—In this subsection, the
11 term ‘coding’ means the creation and modifica-
12 tion of—

13 “(i) source code (defined as any series
14 of statements written in some human-read-
15 able computer programming language); or

16 “(ii) machine code (defined as instruc-
17 tions for a computer processor in some ma-
18 chine language).

19 “(B) HIGH SCHOOL.—In this subsection,
20 the term ‘high school’ has the meaning given
21 the term in section 8101 of the Elementary and
22 Secondary Education Act of 1965 (20 U.S.C.
23 7801).”.

○