

SENATE FILE NO. SF0029

Education-computer science and computational thinking.

Sponsored by: Joint Education Interim Committee

A BILL

for

1 AN ACT relating to education; adding computer science and
2 computational thinking to the state educational program;
3 eliminating keyboarding from the state educational program;
4 providing that computer science courses may satisfy certain
5 high school graduation requirements and certain Hathaway
6 scholarship requirements; providing a date by which the
7 state board of education must adopt uniform content and
8 performance standards for computer science; providing
9 applicability; and providing for effective dates.

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11 *Be It Enacted by the Legislature of the State of Wyoming:*

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13 **Section 1.** W.S. 21-2-304(a)(iii)(C), 21-9-101(b)(i)
14 by creating a new subparagraph (O) and (iii)(C) and
15 21-16-1307(b)(i)(D) and (d)(i)(D) are amended to read:

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1 **21-2-304. Duties of the state board of education.**

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3 (a) The state board of education shall:

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5 (iii) By rule and regulation and in consultation
6 and coordination with local school districts, prescribe
7 uniform student content and performance standards for the
8 common core of knowledge and the common core of skills
9 specified under W.S. 21-9-101(b), and promulgate uniform
10 standards for programs addressing the special needs of
11 student populations specified under W.S. 21-9-101(c) that
12 ensure these student populations are provided the
13 opportunity to learn the common core of knowledge and
14 skills as prescribed by the uniform student content and
15 performance standards pursuant to this paragraph. Student
16 content and performance standards prescribed under this
17 paragraph shall include standards for graduation from any
18 high school within any school district of this state. The
19 ability to prescribe content and performance standards
20 shall not be construed to give the state board of education
21 the authority to prescribe textbooks or curriculum which
22 the state board is hereby forbidden to do. Graduation
23 standards imposed under this paragraph shall require the

1 successful completion of the following components, as
 2 evidenced by passing grades or by the successful
 3 performance on competency-based equivalency examinations:

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5 (C) Three (3) school years of science. One
 6 (1) school year of computer science shall satisfy one (1)
 7 year of this three (3) year requirement; and

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9 **21-9-101. Educational programs for schools;**
 10 **standards; core of knowledge and skills; special needs**
 11 **programs; class size requirements; cocurricular activities.**

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13 (b) Each school district within the state shall
 14 provide educational programs sufficient to meet uniform
 15 student content and performance standards at the level
 16 established by the state board of education in the
 17 following areas of knowledge and skills:

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19 (i) Common core of knowledge:

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21 (0) Computer science.

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23 (iii) Common core of skills:

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(C) ~~Keyboarding~~ Computational thinking and
computer applications;

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21-16-1307. Success curriculum; test standards.

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(b) The success curriculum required to qualify for
honor or performance scholarship eligibility under this
article for students graduating from high school in the
2018-2019 school year and each school year thereafter shall
be as follows:

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(i) Math - four (4) years of math to include
those specified in subparagraphs (A) through (D) of this
paragraph. Courses which are the functional equivalent of
the specified courses, including courses taken before grade
nine (9), may be used to satisfy the level of the
requirements of subparagraphs (A) through (C) of this
paragraph:

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(D) An additional math or computer science
course taken in grades nine (9) through twelve (12). A
computer science course shall not satisfy a requirement of

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1 this paragraph if the computer science course is used to
2 satisfy one (1) year of science under paragraph (iii) of
3 this subsection.

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5 (d) The success curriculum required to qualify for
6 opportunity scholarship eligibility under this article for
7 students graduating from high school in the 2010-2011
8 school year and each school year thereafter shall be as
9 follows:

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11 (i) Math - four (4) years of math to include
12 those specified in subparagraphs (A) through (D) of this
13 paragraph. Courses which are the functional equivalent of
14 the specified courses, including courses taken before grade
15 nine (9), may be used to satisfy the level of the
16 requirements of subparagraphs (A) through (C) of this
17 paragraph:

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19 (D) An additional math or computer science
20 course taken in grades nine (9) through twelve (12). A
21 computer science course shall not satisfy a requirement of
22 this paragraph if the computer science course is used to

1 satisfy one (1) year of science under paragraph (iii) of
2 this subsection.

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4 **Section 2.** The state board of education shall
5 promulgate uniform student content and performance
6 standards for computer science before January 1, 2020.

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8 **Section 3.** Amendments to W.S. 21-2-304 and 21-16-1307
9 contained in this act shall only apply to those students
10 graduating high school on or after July 1, 2018.

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12 **Section 4.** This act is effective July 1, 2018.

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(END)