

S.F. No. 0029

Education-computer science and computational thinking.

Sponsored By: Joint Education Interim Committee

AN ACT relating to education; adding computer science and computational thinking to the state educational program; eliminating keyboarding from the state educational program; providing that computer science courses may satisfy certain high school graduation requirements and certain Hathaway scholarship requirements; providing a date by which the state board of education must adopt uniform content and performance standards for computer science; requiring a report; repealing an obsolete provision; providing applicability; and providing for effective dates.

12/29/2017 Bill Number Assigned
2/9/2018 S Received for Introduction
2/12/2018 S Introduced and Referred to S04 - Education 27-2-1-0-0

ROLL CALL

Ayes: Senator(s) Agar, Anderson, Anselmi-Dalton, Baldwin, Barnard, Bebout, Boner, Bouchard, Burns, Coe, Driskill, Ellis, Emerich, Hastert, Hicks, Kinskey, Landen, Meier, Moniz, Nethercott, Pappas, Perkins, Peterson, Rothfuss, Scott, Von Flatern, Wasserburger

Nays: Senator(s) Case, Dockstader

Excused: Senator Christensen

Ayes 27 Nays 2 Excused 1 Absent 0 Conflicts 0

2/14/2018 S04 - Education:Recommend Do Pass 5-0-0-0-0

ROLL CALL

Ayes: Senator(s) Coe, Ellis, Pappas, Rothfuss, Wasserburger

Ayes 5 Nays 0 Excused 0 Absent 0 Conflicts 0

2/14/2018 S Placed on General File

2/14/2018 S COW:Passed

SF0029S2001/FAILED

Page 1-line 13 Delete "21-9-101(b) (i)".

Page 1-line 14 Delete entirely and insert "21-9-101(b) (iii) (C) and".

Page 3-lines 19 through 21 Delete entirely.

Page 4-lines 2 and 3 Delete entirely and insert:

"(C) ~~Keyboarding and Computer applications science~~ or computational thinking;". KINSKEY, HICKS

SF0029S2002/ADOPTED

Page 1-line 8 After "science;" insert "requiring a report; repealing an obsolete provision;".

Page 6-after line 2 Insert and renumber:

"**Section 2.** W.S. 21-9-101(b) (i) (M) is repealed.".

Page 6-line 4 Delete "**Section 2.**" and insert:

"**Section 3.**

(a) The department of education shall conduct a thorough analysis of all changes and costs necessary to implement this act in every school district in the state. The department shall report the

results of the analysis to the joint education interim committee not later than September 30, 2019.

(b) The department of education shall work with the professional teaching standards board, nonprofit organizations and industry to develop a computer science endorsement for elementary, middle and high schools that can be implemented in every district in the state.

(c)".

Page 6-line 8 Delete "**Section 3.**" and insert "**Section 4.**".
Page 6-line 12 Delete "**Section 4.**" and insert "**Section 5.**".
KINSKEY, WASSERBURGER

2/15/2018 S 2nd Reading:Passed

SF0029S3001/ADOPTED

(CORRECTED COPY)

Page 6-line 4 In the second Kinskey, et al. second reading amendment (SF0029S2002/A) to this line, in subsection (a) created by that amendment, after "state." insert "In conducting this analysis the department shall conduct site visits and shall consult with Wyoming school districts currently offering computer science programs and courses.". PETERSON

2/16/2018 S 3rd Reading:Passed 27-2-1-0-0

ROLL CALL

Ayes: Senator(s) Anderson, Anselmi-Dalton, Baldwin, Barnard, Bebout, Boner, Bouchard, Burns, Christensen, Coe, Dockstader, Driskill, Ellis, Emerich, Hastert, Kinskey, Landen, Meier, Moniz, Nethercott, Pappas, Perkins, Peterson, Rothfuss, Scott, Von Flatern, Wasserburger

Nays: Senator(s) Case, Hicks

Excused: Senator Agar

Ayes 27 **Nays** 2 **Excused** 1 **Absent** 0 **Conflicts** 0

2/19/2018 H Received for Introduction

2/23/2018 H Introduced and Referred to H04 - Education

3/1/2018 H04 - Education:Recommend Do Pass 6-2-1-0-0

ROLL CALL

Ayes: Representative(s) Bovee, Brown, Flitner, Hunt, Kinner, Paxton

Nays: Representative(s) Freeman, Piiparinen

Excused: Representative Northrup

Ayes 6 **Nays** 2 **Excused** 1 **Absent** 0 **Conflicts** 0

3/1/2018 H Rerefer to H02 - Appropriations

3/5/2018 H02 - Appropriations:Recommend Do Pass 7-0-0-0-0

ROLL CALL

Ayes: Representative(s) Burkhardt, Larsen, Nicholas, Schwartz, Sommers, Walters, Wilson

Ayes 7 **Nays** 0 **Excused** 0 **Absent** 0 **Conflicts** 0

3/5/2018 H Placed on General File

SF0029HW001/ADOPTED

(TO ENGROSSED COPY)

Page 3-lines 6 through 8 Delete all new language and insert "one (1) year of which may be satisfied by one (1) year of computer science".

Page 6-line 16 Delete entirely and insert "October 31, 2018."

Page 7-lines 1 through 3 Delete entirely and insert:

"(c) By January 1, 2022, the state board of education shall promulgate uniform student content and performance standards for computer science to be effective beginning with the 2022-2023 school year.

Page 7-after line 7 Insert and renumber as necessary:

"Section 5. To the extent this act conflicts with 2018 House Bill 53, this act shall be given precedence and shall prevail over any conflicting provision.". BROWN, FLITNER NORTHRUP, SOMMERS

3/6/2018 H COW:Passed
3/7/2018 H 2nd Reading:Passed
3/8/2018 H 3rd Reading:Passed 50-9-1-0-0

ROLL CALL

Ayes: Representative(s) Allen, Barlow, Blake, Bovee, Brown, Burkhart, Byrd, Clausen, Clem, Connolly, Court, Crank, Dayton, Eklund, Eyre, Flitner, Furphy, Gierau, Greear, Haley, Hallinan, Halverson, Harshman, Henderson, Hunt, Kinner, Kirkbride, Larsen, Lindholm, Loucks, MacGuire, Madden, Miller, Nicholas, Northrup, Obermueller, Olsen, Paxton, Pelkey, Pownall, Schwartz, Simpson, Sommers, Steinmetz, Stith, Sweeney, Walters, Wilson, Winters, Zwonitzer

Nays: Representative(s) Biteman, Blackburn, Edwards, Freeman, Gray, Jennings, Laursen, Piiparinen, Salazar

Excused: Representative Lone

Ayes 50 **Nays** 9 **Excused** 1 **Absent** 0 **Conflicts** 0

3/8/2018 S Received for Concurrence
3/9/2018 S Concur:Passed 25-5-0-0-0

ROLL CALL

Ayes: Senator(s) Anderson, Anselmi-Dalton, Baldwin, Barnard, Bebout, Boner, Burns, Christensen, Coe, Driskill, Ellis, Emerich, Hastert, Hicks, Kinskey, Landen, Meier, Moniz, Nethercott, Pappas, Perkins, Peterson, Rothfuss, Scott, Von Flatern

Nays: Senator(s) Agar, Bouchard, Case, Dockstader, Wasserburger

Ayes 25 **Nays** 5 **Excused** 0 **Absent** 0 **Conflicts** 0

3/9/2018 Assigned Number SEA No. 0048
3/9/2018 S President Signed SEA No. 0048
3/10/2018 H Speaker Signed SEA No. 0048
3/14/2018 Governor Signed SEA No. 0048
3/14/2018 Assigned Chapter Number 123

Chapter No. 123 Session Laws of Wyoming 2018