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LEGISLATIVE ACTION

Senate	.	House
Comm: RCS	.	
02/09/2018	.	
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Appropriations Subcommittee on Pre-K - 12 Education (Passidomo)
recommended the following:

Senate Amendment (with title amendment)

Delete everything after the enacting clause
and insert:

Section 1. Section 1007.2616, Florida Statutes, is amended
to read:

1007.2616 Computer science and technology instruction.—

(1) For the purposes of this section, the term "computer
science" means the study of computers and algorithmic processes,
including their principles, hardware and software designs,



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11 applications, and their impact on society, and includes computer
12 coding and computer programming.

13 (2) (a) ~~(1)~~ Public schools shall provide students in grades
14 K-12 opportunities for learning computer science, including, but
15 not limited to, computer coding and computer programming. Such
16 opportunities may include coding instruction in elementary
17 school and middle school and~~r~~ instruction to develop students'
18 computer usage and digital literacy skills in middle school, and
19 must include courses in computer science, ~~computer coding, and~~
20 ~~computer programming~~ in middle school and high school,
21 including, but not limited to, earning-related industry
22 certifications. Such courses must be integrated into each school
23 district's middle and high schools, including combination
24 schools in which any of grades 6 through 12 are taught, as
25 follows:

26 1. Beginning with the 2018-2019 school year, a school
27 district shall provide at least one computer science course in
28 no less than 4 percent of the district's total number of middle,
29 high, and combination schools.

30 2. Beginning with the 2019-2020 school year, a school
31 district shall provide at least one computer science course in
32 no less than 7 percent of the district's total number of middle,
33 high, and combination schools.

34 3. Beginning with the 2020-2021 school year, a school
35 district shall provide at least one computer science course in
36 no less than 10 percent of the district's total number of
37 middle, high, and combination schools.

38 4. Notwithstanding subparagraphs 1.-3., a school district
39 with 10 or fewer public middle, high, and combination schools



40 shall provide at least one computer science course in at least
41 one middle, high, or combination school no later than the 2020-
42 2021 school year.

43 (b) Computer science courses that count toward the
44 percentage thresholds in paragraph (a) must be identified in the
45 Course Code Directory and published on the Department of
46 Education's website no later than July 1, 2018. The State Board
47 of Education shall develop rules so that additional computer
48 science courses may be subsequently identified and posted on the
49 department's website.

50 (c) Student enrollment in computer science courses offered
51 by the Florida Virtual School pursuant to subsection (3) may be
52 used to satisfy the requirements of subparagraphs (a)1.-3.

53 (d) A charter school is not required to offer a computer
54 science course; however, enrollment of a charter school's
55 students in a computer science course under this section may be
56 included in the school district's percentage calculation.

57 (3) The Florida Virtual School shall offer computer science
58 courses identified in the Course Code Directory pursuant to
59 paragraph (2) (b). If a school district does not offer an
60 identified course, the district must provide students access to
61 the course through the Florida Virtual School or through other
62 means.

63 (4) (a) Subject to legislative appropriation, a school
64 district or a consortium of school districts may apply to the
65 department, in a format prescribed by the department, for
66 funding to deliver or facilitate training for classroom teachers
67 to earn an educator certificate in computer science pursuant to
68 s. 1012.56 or an industry certification associated with a course



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69 identified in the Course Code Directory pursuant to paragraph
70 (2) (b). Such funding may only be used to provide training for
71 classroom teachers and to pay fees for examinations that lead to
72 a credential pursuant to this paragraph.

73 (b) Once the department has identified courses in the
74 Course Code Directory pursuant to paragraph (2) (b), the
75 department shall establish a deadline for submitting
76 applications. The department shall award funding to school
77 districts in a manner that allows for an equitable distribution
78 of funding statewide based on student population.

79 (5) ~~(2)~~ Elementary schools and middle schools may establish
80 digital classrooms in which students are provided opportunities
81 to improve digital literacy and competency; to learn digital
82 skills, such as coding, multiple media presentation, and the
83 manipulation of multiple digital graphic images; and to earn
84 digital tool certificates and certifications pursuant to s.
85 1003.4203 and grade-appropriate, technology-related industry
86 certifications.

87 (6) ~~(3)~~ High school students must be provided ~~schools may~~
88 ~~provide students~~ opportunities to take computer science courses
89 to satisfy high school graduation requirements, including, but
90 not limited to, the following:

91 (a) High school computer science courses of sufficient
92 rigor, as identified by the commissioner, such that one credit
93 in computer science and the earning of related industry
94 certifications constitute the equivalent of up to one credit of
95 the mathematics requirement, with the exception of Algebra I or
96 higher-level mathematics, or up to one credit of the science
97 requirement, with the exception of Biology I or higher-level



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98 science, for high school graduation. Computer science courses
99 and technology-related industry certifications that are
100 identified as eligible for meeting mathematics or science
101 requirements for high school graduation shall be included in the
102 Course Code Directory.

103 (b) High school computer technology courses in 3D rapid
104 prototype printing of sufficient rigor, as identified by the
105 commissioner, such that one or more credits in such courses and
106 related industry certifications earned may satisfy up to two
107 credits of mathematics required for high school graduation with
108 the exception of Algebra I. Computer technology courses in 3D
109 rapid prototype printing and related industry certifications
110 that are identified as eligible for meeting mathematics
111 requirements for high school graduation shall be included in the
112 Course Code Directory.

113 (7) Subject to legislative appropriation, a classroom
114 teacher who was evaluated as effective or highly effective
115 pursuant to s. 1012.34 in the previous school year or who is
116 newly hired by the district school board and has not been
117 evaluated pursuant to s. 1012.34 must receive a bonus as
118 follows:

119 (a) If the classroom teacher holds an educator certificate
120 in computer science pursuant to s. 1012.56 or if he or she has
121 passed the computer science subject area examination and holds
122 an adjunct certificate issued by a school district pursuant to
123 s. 1012.57, he or she shall receive a bonus of \$1,000 after each
124 year the individual completes teaching a computer science course
125 identified in the Course Code Directory pursuant to paragraph
126 (2)(b) at a public middle, high, or combination school in the



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127 state, for up to 3 years.

128 (b) If the classroom teacher holds an industry
129 certification associated with a course identified in the Course
130 Code Directory pursuant to paragraph (2) (b), he or she shall
131 receive a bonus of \$500 after each year the individual completes
132 teaching the identified course at a public middle, high, or
133 combination school in the state, for up to 3 years.

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135 A school district shall report a qualifying classroom teacher to
136 the department by a date and in a format established by the
137 department. An eligible classroom teacher shall receive his or
138 her bonus upon completion of the school year in which he or she
139 taught the course. A teacher may not receive more than one bonus
140 per year under this subsection.

141 (8) Subject to legislative appropriation, the department
142 shall award high-need technology grants to eligible school
143 districts if the funds provided in the Florida digital
144 classrooms allocation pursuant to s. 1011.62(12) are
145 insufficient to meet the costs specified in that subsection and
146 the district has no remaining instructional materials funds
147 under s. 1011.67. The department shall establish an application
148 process and eligibility criteria. Such criteria must be based on
149 a school district's technology needs and must provide for an
150 equitable distribution of funding based on the geographic
151 distribution of the student population among school districts
152 determined to have a high need for technology.

153 (9) ~~(4)~~ The State Board of Education shall ~~may~~ adopt rules
154 to administer this section.

155 Section 2. This act shall take effect upon becoming a law.



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===== T I T L E A M E N D M E N T =====

And the title is amended as follows:

Delete everything before the enacting clause
and insert:

A bill to be entitled
An act relating to computer science instruction;
amending s. 1007.2616, F.S.; defining the term
"computer science"; providing requirements for
specified instruction relating to computer science;
requiring school districts to provide computer science
courses in a specified number of schools by certain
dates; requiring certain computer science courses to
be included in the Course Code Directory and published
on the Department of Education's website by a
specified date; providing that student enrollment in
certain courses offered by the Florida Virtual School
meet specified requirements; providing that a charter
school is not required to offer computer science
courses; providing that charter schools that offer
such courses may be used in meeting a school
district's percentage thresholds; requiring the
Florida Virtual School to offer certain computer
science courses; requiring school districts to provide
access to computer science courses offered by the
Florida Virtual School or by other means under certain
circumstances; providing funds for school districts to
provide professional development for classroom
teachers, subject to legislative appropriation;



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185 providing Department of Education responsibilities for
186 the distribution of such funds; requiring that high
187 school students be provided opportunities to take
188 counter science courses to meet certain graduation
189 requirements; providing funds for bonuses for certain
190 classroom teachers, subject to legislative
191 appropriation; providing funding for high-need
192 technology grants for school districts, subject to
193 legislative appropriation; requiring, rather than
194 authorizing, the State Board of Education to adopt
195 rules; providing an effective date.