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LEGISLATIVE ACTION

Senate	.	House
Comm: RCS	.	
01/17/2018	.	
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The Committee on 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~~, 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, including
21 earning-related industry certifications. Such courses must be
22 integrated into each school district's middle and high schools,
23 including combination schools in which any of grades 6 through
24 12 are taught, as follows:

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

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

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

37 4. Notwithstanding subparagraphs 1.-3., a school district
38 with 10 or fewer public middle, high, and combination schools
39 shall provide at least one computer science course in at least



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40 one middle, high, or combination school no later than the 2020-
41 2021 school year.

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

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

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

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

61 (4) (a) Subject to legislative appropriation, a school
62 district or a consortium of school districts may apply to the
63 department, in a format prescribed by the department, for
64 funding to deliver or facilitate training for classroom teachers
65 to earn an educator certificate in computer science pursuant to
66 s. 1012.56 or an industry certification associated with a course
67 identified in the Course Code Directory pursuant to paragraph
68 (2) (b). Such funding shall only be used to provide training for



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69 classroom teachers and to pay fees for examinations that lead to
70 a credential pursuant to this paragraph.

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

77 (5) ~~(2)~~ Elementary schools and middle schools may establish
78 digital classrooms in which students are provided opportunities
79 to improve digital literacy and competency; to learn digital
80 skills, such as coding, multiple media presentation, and the
81 manipulation of multiple digital graphic images; and to earn
82 digital tool certificates and certifications pursuant to s.
83 1003.4203 and grade-appropriate, technology-related industry
84 certifications.

85 (6) ~~(3)~~ High school students must be provided ~~schools may~~
86 ~~provide students~~ opportunities to take computer science courses
87 to satisfy high school graduation requirements, including, but
88 not limited to, the following:

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



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98 identified as eligible for meeting mathematics or science
99 requirements for high school graduation shall be included in the
100 Course Code Directory.

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

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

117 (a) If the classroom teacher holds an educator certificate
118 in computer science pursuant to s. 1012.56 or if he or she has
119 passed the computer science subject area examination and holds
120 an adjunct certificate issued by a school district pursuant to
121 s. 1012.57, he or she shall receive a bonus of \$1,000 after each
122 year the individual completes teaching a computer science course
123 identified in the Course Code Directory pursuant to paragraph
124 (2)(b) at a public middle, high, or combination school in the
125 state, for up to 3 years.

126 (b) If the classroom teacher holds an industry



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

132
133 A school district shall report a qualifying classroom teacher to
134 the department by a date and in a format established by the
135 department. An eligible classroom teacher shall receive his or
136 her bonus upon completion of the school year in which he or she
137 taught the course. A teacher may not receive more than one bonus
138 per year under this subsection.

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

151 (9)-(4) The State Board of Education shall ~~may~~ adopt rules
152 to administer this section.

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

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



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156 And the title is amended as follows:

157 Delete everything before the enacting clause
158 and insert:

159 A bill to be entitled

160 An act relating to computer science instruction;
161 amending s. 1007.2616, F.S.; providing a definition;
162 providing requirements for specified instruction
163 relating to computer science; requiring school
164 districts to provide computer science courses in a
165 specified number of schools by certain dates;
166 requiring certain computer science courses to be
167 included in the Course Code Directory and published on
168 the Department of Education's website by a specified
169 date; providing that student enrollment in certain
170 courses offered by the Florida Virtual School meet
171 specified requirements; providing that a charter
172 school is not required to offer computer science
173 courses; providing that charter schools that offer
174 such courses may be used in meeting a school
175 district's percentage thresholds; requiring the
176 Florida Virtual School to offer certain computer
177 science courses; requiring school districts to provide
178 access to computer science courses offered by the
179 Florida Virtual School or by other means under certain
180 circumstances; providing funds for school districts to
181 provide professional development for classroom
182 teachers; providing Department of Education
183 responsibilities for the distribution of such funds;
184 requiring high school students to be provided



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185 opportunities to take certain courses to meet certain
186 graduation requirements; providing funds for bonuses
187 for certain classroom teachers; providing funding for
188 high-need technology grants for school districts;
189 requiring, rather than authorizing, the State Board of
190 Education to adopt rules; providing an effective date.