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LEGISLATIVE ACTION

Senate

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House

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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,



233566

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



233566

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



233566

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



233566

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



233566

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.

154  
155 ===== T I T L E A M E N D M E N T =====



233566

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



233566

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.