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LEGISLATIVE ACTION

Senate

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House

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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



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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



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.