1 L.D. 398

2 Date: (Filing No. H-   )

3 **EDUCATION AND CULTURAL AFFAIRS**

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5 **STATE OF MAINE**

6 **HOUSE OF REPRESENTATIVES**

7 **128TH LEGISLATURE**

8 **FIRST REGULAR SESSION**

9 COMMITTEE AMENDMENT " " to H.P. 289, L.D. 398, Bill, "An Act To
10 Recognize Computer Science in the Path to Proficiency"

11 Amend the bill by striking out the title and substituting the following:

12 **'Resolve, To Establish the Task Force To Recognize Computer Science in the Path**
13 **to Proficiency'**

14 Amend the bill by striking out everything after the enacting clause and inserting the
15 following:

16 '**Sec. 1. Science, Technology, Engineering and Mathematics Council to**
17 **form task force to recognize computer science in the path to proficiency.**
18 **Resolved:** That the Science, Technology, Engineering and Mathematics Council,
19 referred to in this resolve as "the council," shall establish and convene a computer science
20 education task force, referred to in this resolve as "the task force," to develop an informed
21 strategy to integrate computer science into the State's proficiency-based high school
22 diploma requirements, as well as to expose all students to computer science as a basic
23 skill and as a potential career path. The council shall invite members to the task force and
24 appoint the task force chair, who must be a person whose professional responsibilities
25 include the advancement of computer science professional development and education in
26 the State and who is aligned with the State's business community in carrying out those
27 responsibilities; and be it further

28 **Sec. 2. Duties. Resolved:** That the duties of the task force must include, but are
29 not limited to, the following.

30 1. The task force shall recommend a framework for an effective kindergarten to grade
31 12 computer science education system in the State and outline a strategy to ensure
32 students have access to this education system. The task force shall:

33 A. Identify the key elements of computer science education that provide mathematics
34 or science competencies needed to attain a proficiency-based diploma;

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1   B. Identify models of age-appropriate computer science curricula that provide
2   students in kindergarten to grade 12 basic knowledge of and familiarity with
3   computer science concepts and applications and opportunities to explore how
4   computer science may serve their educational needs and career aspirations; and

5   C. Develop a sustainable professional development strategy to deliver kindergarten
6   to grade 12 computer science education and to ensure that all students have access to
7   computer science education.

8   2. In determining the strategy described in subsection 1, the task force shall
9 investigate best practices for and barriers to implementation of the strategy. The task
10 force shall:

11   A. Identify and inventory computer science education activities currently underway
12   in the State and in other states, including:

13   (1) Classroom initiatives integrating computer science education into existing
14   curricular opportunities;

15   (2) Full access to courses that provide an opportunity for credit from an
16   institution of higher learning; and

17   (3) Models of education that effectively use offsite resources and online learning
18   opportunities to augment the resources available on site; and

19   B. Identify and inventory computer science professional development activities
20   currently underway in the State and highlight best practices for and barriers
21   encountered in delivering computer science professional development to teachers
22   across the State; and be it further

23   **Sec. 3. Coordination with Department of Education. Resolved:** That the
24 task force shall coordinate with the Department of Education to provide information on
25 identified areas of computer science education in the State and to enable the department
26 to undertake rulemaking related to improving access to computer science education in the
27 State. The work of the task force must inform and complement the work of the
28 department, and nothing in the duties of the task force may be construed to mean that the
29 department may not undertake initiatives or rulemaking related to computer science
30 education separate from the work of the task force; and be it further

31   **Sec. 4. Report; recommendations. Resolved:** That the task force shall report
32 its findings of best practices for computer science education and a recommended strategy
33 to develop and implement a high-quality computer science education curriculum for all
34 students to the Joint Standing Committee on Education and Cultural Affairs by January
35 15, 2018. The task force is authorized to make recommendations, including proposed
36 legislation and rules, in its report. The joint standing committee may report out a bill
37 based upon the report to the Second Regular Session of the 128th Legislature; and be it
38 further

39   **Sec. 5. Resources. Resolved:** That the council may provide funding and in-kind
40 donations received from public or private sources to fund the costs of the task force and
41 enable the task force to accomplish its duties. Any unused funds at the termination of the
42 task force may be retained by the council.'

COMMITTEE AMENDMENT

1 **SUMMARY**

2   This amendment is the majority report of the committee. The amendment strikes and
3 replaces the bill, which is a concept draft, with a resolve directing the Science,
4 Technology, Engineering and Mathematics Council to form a computer science education
5 task force to consider ways to develop an informed strategy to integrate computer science
6 into the State's proficiency-based high school diploma requirements, as well as to expose
7 all students to computer science as a basic skill and as a potential career path.

8 **FISCAL NOTE REQUIRED**

9 **(See attached)**

COMMITTEE AMENDMENT