

# Senate Bill 1590

Sponsored by Senator SOLLMAN

## SUMMARY

The following summary is not prepared by the sponsors of the measure and is not a part of the body thereof subject to consideration by the Legislative Assembly. It is an editor's brief statement of the essential features of the measure **as introduced**.

Directs Department of Education, in consultation with STEM Investment Council, to develop statewide, long-term strategic plan to provide computer science education.

Sunsets January 2, 2028.

Declares emergency, effective on passage.

## A BILL FOR AN ACT

1  
2 Relating to computer science education; and declaring an emergency.

3 **Be It Enacted by the People of the State of Oregon:**

4 **SECTION 1. (1) The Department of Education, in consultation with the STEM Investment**  
5 **Council, shall develop a statewide, long-term strategic plan to provide computer science ed-**  
6 **ucation opportunities to every public school student in this state by the 2027-2028 school**  
7 **year.**

8 **(2) The statewide plan required under this section must:**

9 **(a) Be completed in coordination with the statewide digital learning plan.**

10 **(b) Include a statement of purpose that describes the goals of the statewide plan, in-**  
11 **cluding the goals that computer science education:**

12 **(A) Be made available to public school students in this state on an equitable basis.**

13 **(B) Be based on a framework that guides students from computer users to computer-**  
14 **literate creators who are proficient in the concepts and practices of computer science, as**  
15 **defined by national frameworks and standards.**

16 **(c) Identify immediate, practical changes and systemic changes that can be implemented**  
17 **in the public schools of this state to increase students' access to computer science, with a**  
18 **focus on equity and inclusion.**

19 **(d) Identify rigorous academic content standards and curriculum guidelines for computer**  
20 **science education and identify strategies for incorporating computer science education into**  
21 **existing academic content standards for grades before grade nine.**

22 **(e) Identify strategies for ensuring that computer science education is made available to**  
23 **students who may experience academic disparities, including students identified in ORS**  
24 **327.180 (2)(b), and that those students' needs are met so that they may be successful in**  
25 **computer science.**

26 **(f) Identify strategies for aligning computer literacy standards and curricula with com-**  
27 **puter science courses at community colleges and public universities listed in ORS 352.002.**

28 **(g) Identify standards for high-quality professional learning for teachers that focuses on**  
29 **inclusive and effective computer science instructional methods, and ensure that professional**  
30 **learning is made available to the teachers of this state.**

**NOTE:** Matter in **boldfaced** type in an amended section is new; matter [*italic and bracketed*] is existing law to be omitted. New sections are in **boldfaced** type.

1       **(h) Identify strategies for including computer science and digital literacy courses in the**  
2 **curricula for educator preparation programs, with an emphasis on programs that prepare**  
3 **educators for elementary or middle school.**

4       **(i) Identify actions that must be taken to allow computer science courses to be consid-**  
5 **ered a core admission requirement at the public universities listed in ORS 352.002.**

6       **(j) Propose an ongoing evaluation process of computer science education that is overseen**  
7 **by the State Board of Education and the council to ensure the statewide plan is sustainable**  
8 **in the long term.**

9       **(3) The statewide plan required under this section must establish:**

10       **(a) Strategic goals for achieving the objectives of the plan;**

11       **(b) Strategies by which the goals established under paragraph (a) of this subsection will**  
12 **be achieved; and**

13       **(c) A timeline for achieving the goals established under paragraph (a) of this subsection.**

14       **(4)(a) For the purpose of developing the statewide plan required under this section, the**  
15 **department shall coordinate with the council to convene a work group.**

16       **(b) The work group convened under this subsection must include representatives from:**

17       **(A) The State Board of Education;**

18       **(B) The STEM Investment Council;**

19       **(C) The Department of Education;**

20       **(D) The Teacher Standards and Practices Commission;**

21       **(E) The Educator Advancement Council;**

22       **(F) The Governor's office;**

23       **(G) The Higher Education Coordinating Commission;**

24       **(H) Industry with involvement in computer science;**

25       **(I) Regional networks that support science, technology, engineering and mathematics;**

26       **(J) Regional networks that support career and technical education;**

27       **(K) Nonprofit organizations related to computer science education;**

28       **(L) School administrators;**

29       **(M) Post-secondary institutions of education; and**

30       **(N) Teachers who provide computer science education.**

31       **(c) When selecting members of the work group, the department and the STEM Invest-**  
32 **ment Council shall take into consideration geographic and demographic diversity.**

33       **(5) No later than November 15 of each year, the department shall coordinate with the**  
34 **STEM Investment Council to submit a report to an interim committee of the Legislative**  
35 **Assembly related to education. The report:**

36       **(a) Shall include an overview of the provision of computer science education in this state**  
37 **on the effective date of this 2022 Act, and any changes that have occurred since the effective**  
38 **date of this 2022 Act. The overview must include data on the participation in computer sci-**  
39 **ence by students who may experience academic disparities, including students identified in**  
40 **ORS 327.180 (2)(b).**

41       **(b) Shall provide an overview on the progress of developing the statewide plan required**  
42 **by this section.**

43       **(c) May include recommendations for legislation to ensure the implementation and**  
44 **sustainability of the statewide plan developed under this section.**

45       **(d) May include recommendations addressing whether the Teacher Standards and Prac-**

1 **tices Commission should establish an endorsement related to computer science education**  
2 **and, if so, recommendations for requirements of that endorsement.**

3 **SECTION 2. Section 1 of this 2022 Act is repealed on January 2, 2028.**

4 **SECTION 3. This 2022 Act being necessary for the immediate preservation of the public**  
5 **peace, health and safety, an emergency is declared to exist, and this 2022 Act takes effect**  
6 **on its passage.**

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