

GENERAL ASSEMBLY OF NORTH CAROLINA  
SESSION 2017

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SENATE BILL DRS45292-MK-139 (03/17)

Short Title: Study/Expand Computer Science to All Students. (Public)

Sponsors: Senators Chaudhuri and Barefoot (Primary Sponsors).

Referred to:

1 A BILL TO BE ENTITLED  
2 AN ACT TO DIRECT THE STATE BOARD OF EDUCATION AND THE DEPARTMENT  
3 OF PUBLIC INSTRUCTION, IN COLLABORATION WITH THE FRIDAY INSTITUTE  
4 FOR EDUCATIONAL INNOVATION AT NORTH CAROLINA STATE UNIVERSITY  
5 AND THE NORTH CAROLINA SCHOOL OF SCIENCE AND MATHEMATICS, TO  
6 DEVELOP RECOMMENDATIONS TO FURTHER THE TEACHING AND STUDENT  
7 LEARNING OF COMPUTATIONAL THINKING AND COMPUTER SCIENCE IN  
8 NORTH CAROLINA K-12 SCHOOLS.

9 The General Assembly of North Carolina enacts:

10 **SECTION 1.(a)** The State Board of Education and the Department of Public  
11 Instruction, in collaboration with the Friday Institute for Educational Innovation at North  
12 Carolina State University (Friday Institute) and the North Carolina School of Science and  
13 Mathematics (NC School of Science and Math), shall develop recommendations to further the  
14 teaching and student learning of computational thinking and computer science in North  
15 Carolina K-12 schools. In developing recommendations, the State Board and the Department,  
16 in collaboration with the Friday Institute and the NC School of Science and Math, shall do at  
17 least the following:

- 18 (1) Develop curriculum guidelines that are aligned with K-12 Computer Science  
19 Framework (October 2016) developed by the CSforAll Consortium.
- 20 (2) Review and evaluate curriculum resources.
- 21 (3) Develop recommendations to increase the number of teachers prepared to  
22 teach computational thinking and computer science, addressing both  
23 preservice educator preparation for teachers and professional development  
24 for in-service teachers.
- 25 (4) Develop policy and funding recommendations.
- 26 (5) Align recommendations with the ongoing implementation of the Digital  
27 Learning Plan in North Carolina by the Department and the Friday Institute.

28 **SECTION 1.(b)** By January 15, 2018, the State Board shall report to the Joint  
29 Legislative Education Oversight Committee on the recommendations, including any proposed  
30 legislation, developed in accordance with this act.

31 **SECTION 2.** This act is effective when it becomes law.

