

GENERAL ASSEMBLY OF NORTH CAROLINA
SESSION 2017

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SENATE BILL 442

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

Sponsors: Senators Chaudhuri, Barefoot (Primary Sponsors); Britt, Bryant, J. Jackson, Rabin, Smith-Ingram, Van Duyn, and Waddell.

Referred to: Rules and Operations of the Senate

March 29, 2017

A BILL TO BE ENTITLED

AN ACT TO DIRECT THE STATE BOARD OF EDUCATION AND THE DEPARTMENT OF PUBLIC INSTRUCTION, IN COLLABORATION WITH THE FRIDAY INSTITUTE FOR EDUCATIONAL INNOVATION AT NORTH CAROLINA STATE UNIVERSITY AND THE NORTH CAROLINA SCHOOL OF SCIENCE AND MATHEMATICS, TO DEVELOP RECOMMENDATIONS TO FURTHER THE TEACHING AND STUDENT LEARNING OF COMPUTATIONAL THINKING AND COMPUTER SCIENCE IN NORTH CAROLINA K-12 SCHOOLS.

The General Assembly of North Carolina enacts:

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

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

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

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

