



**SOUTH CAROLINA REVENUE AND FISCAL AFFAIRS OFFICE**  
**STATEMENT OF ESTIMATED FISCAL IMPACT**  
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**Bill Number:** H. 3427 Amended by the House Education and Public Works K-12 Subcommittee on January 18, 2017

**Author:** Lucas

**Subject:** S.C. Computer Science Education Initiative

**Requestor:** House Education and Public Works

**RFA Analyst(s):** Shuford, Kokolis, and Walling

**Impact Date:** January 25, 2017

**Estimate of Fiscal Impact**

	<b>FY 2017-18</b>	<b>FY 2018-19</b>	<b>FY 2019-20</b>
<b>State Expenditure</b>			
General Fund	\$1,259,400	\$100,000	\$0
Other and Federal	\$0	\$0	\$0
Full-Time Equivalent Position(s)	0.00	0.00	0.00
<b>State Revenue</b>			
General Fund	\$0	\$0	\$0
Other and Federal	\$0	\$0	\$0
<b>Local Expenditure</b>	\$0	\$0	\$19,206,000
<b>Local Revenue</b>	\$0	\$0	\$0

**Fiscal Impact Summary**

This bill would increase General Fund expenditures by \$1,259,400 in FY 2017-18 and an additional expenditure of \$100,000 in FY 2018-19. Local school district expenditures for additional computer science teachers in grades nine through twelve at the 291 high schools statewide would increase local school district expenditures by \$19,206,000 in FY 2019-20.

**Explanation of Fiscal Impact**

**Amended by the House Education and Public Works K-12 Subcommittee on January 18, 2017**

**State Expenditure**

This bill as amended requires the Department of Education (department) to adopt grade appropriate standards for computer science, computational thinking, and computer coding for grades nine through twelve by August 1, 2018. By the 2019-20 school year, each public and public charter high school must offer at least one computer science course.

In school year 2018-19, the department must employ one full-time employee to coordinate and lead the computer science education initiative, support teachers in designing instruction and assignments, design career pathways that connect students to postsecondary programs, offer teacher endorsements and professional development to new computer science teachers in a two to four week summer institute, and other duties to implement this initiative.

**Department of Education.** The department indicates that additional expenditures of \$1,259,400 in FY 2017-18 and an additional expenditure of \$100,000 in FY 2018-19 are necessary to implement the computer science education initiative. These additional expenditures for FY 2017-18 include the following:

- \$150,000 to develop grade appropriate standards for high school students;
- \$300,000 to develop guidelines outlining education and degree requirements for computer science teachers;
- \$300,000 to support K-12 academic and computer science teachers in developing project-based instruction and assignments;
- \$150,000 to design career pathways that connect students to postsecondary programs and career fields;
- 100,000 to offer two to four-week full-day summer institute to new computer science teachers;
- \$150,000 to assist districts in developing business partnerships to provide afterschool and extracurricular activities in computer science; and
- \$109,400 for one FTE to coordinate and lead the computer science education initiative.

Additional expenditures in FY 2018-19 include \$100,000 for the continuation of the two to four-week full-day summer institute for new computer science teachers.

**Commission on Higher Education.** The bill tasks the commission with determining what, if any, financial incentives are needed by institutions of higher learning to design programs to prepare and credential computer science teachers. These activities are conducted in the normal course of the commission's activities. Therefore, this bill will not have an expenditure impact on the General Fund, Federal Funds, or Other Funds of the commission.

**Office of the Governor.** The bill requires the Office of the Governor to establish criteria and a process for designating a STEM region or community. The Office of the Governor indicates that these responsibilities will have no expenditure impact on the General Fund, Federal Funds, or Other Funds of the office.

#### **State Revenue**

N/A

#### **Local Expenditure**

In FY 2019-20, each public and public charter high school must offer at least one computer science course. This may require the school districts to hire an additional computer science teacher for each of the 291 high schools. The department estimates that the average salary for these teachers would require additional expenditures of \$44,880 for salary and \$21,120 for employer fringe. These additional teachers would increase local school district expenditures by \$19,206,000 in FY 2019-20.

#### **Local Revenue**

N/A

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Frank A. Rainwater, Executive Director