

COMMITTEE ON LEGISLATIVE RESEARCH  
OVERSIGHT DIVISION

**FISCAL NOTE**

L.R. No.: 5880-01  
Bill No.: SB 894  
Subject: Elementary and Secondary Education; Department of Elementary and Secondary Education; Teachers  
Type: Original  
Date: February 1, 2018

Bill Summary: This proposal creates certain provisions relating to computer science.

**FISCAL SUMMARY**

<b>ESTIMATED NET EFFECT ON GENERAL REVENUE FUND</b>			
FUND AFFECTED	FY 2019	FY 2020	FY 2021
General Revenue	(Could exceed \$100,000)	(Could exceed \$100,000)	(Could exceed \$100,000)
<b>Total Estimated Net Effect on General Revenue</b>	<b>(Could exceed \$100,000)</b>	<b>(Could exceed \$100,000)</b>	<b>(Could exceed \$100,000)</b>

<b>ESTIMATED NET EFFECT ON OTHER STATE FUNDS</b>			
FUND AFFECTED	FY 2019	FY 2020	FY 2021
Computer Science Education Fund*	\$0	\$0	\$0
<b>Total Estimated Net Effect on <u>Other</u> State Funds</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

\*Income and Cost to the Fund net to zero.  
 Numbers within parentheses: ( ) indicate costs or losses.  
 This fiscal note contains 8 pages.

<b>ESTIMATED NET EFFECT ON FEDERAL FUNDS</b>			
<b>FUND AFFECTED</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>
<b>Total Estimated Net Effect on <u>All</u> Federal Funds</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<b>ESTIMATED NET EFFECT ON FULL TIME EQUIVALENT (FTE)</b>			
<b>FUND AFFECTED</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>
<b>Total Estimated Net Effect on FTE</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimated Net Effect (expenditures or reduced revenues) expected to exceed \$100,000 in any of the three fiscal years after implementation of the act.

<b>ESTIMATED NET EFFECT ON LOCAL FUNDS</b>			
<b>FUND AFFECTED</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>
<b>Local Government</b>	<b>Could exceed \$100,000</b>	<b>Could exceed \$100,000</b>	<b>Could exceed \$100,000 to (Unknown)</b>

## FISCAL ANALYSIS

### ASSUMPTION

Officials from the **Department of Elementary and Secondary Education (DESE)** assume this proposal will result in fiscal impact; however, DESE does not expect it to exceed \$100,000 in administration costs.

Officials from the **Macon County R-IV School District** assume there is no issue unless the proposal would require a district to provide the course as described. The district assumes it can count the course, as described, for core units towards graduation, not that the course itself is required.

Officials from the **Wellsville-Middletown R-1 School District** assume a positive fiscal impact on the district if such a program can be implemented.

Officials from the **Kirkville R-III School District** assume this proposal should have very little fiscal impact on the district.

Officials from the **Office of the State Treasurer** assume the proposal will have no fiscal impact on their organization.

#### §170.018.1 (2) Computer Science Graduation Policy

**Oversight** notes this provision requires DESE to create a policy to allow one unit of academic credit with a district-approved computer science course to fulfill one science unit required for graduation. Currently, a student needs 3 units of science in order to graduate. Currently, computer science courses are allowed to count as a practical art (of which a student needs 1 unit) or as an elective (of which a student needs 7 units).

#### §170.018.2 Computer Science Work Group

**Oversight** assumes this provision requires the state board of education to convene a work group to develop academic standards relating to computer science. Oversight notes this provision requires the state board of education to adopt and implement academic performance standards relating to computer science.

ASSUMPTION (continued)

§170.018.3 Teacher Endorsement

**Oversight** assumes this provision requires the state board of education to develop a procedure for a teacher who holds a certificate of license to teach and demonstrate sufficient content knowledge of computer science to receive a special endorsement on his or her license.

§170.018.4 Computer Science Education Fund

**Oversight** assumes this provision creates the Computer Science Education Fund which shall consist of appropriations and other moneys for the purpose of providing teacher professional development programs relating to computer science. Oversight assumes that all money will be used by the Fund in the year in which it is received.

**Oversight** notes in other fiscal notes for similar proposals, this Fund was estimated to have an impact of less than \$100,000. However, upon further inquiry, DESE has noted there is no way to estimate the moneys that may be appropriated to this fund. Oversight will show an impact as could exceed \$100,000 in appropriations for the grant funding program.

**Oversight** assumes there could be costs associated with developing a computer science course for school districts that currently do not offer one. Oversight will show the cost to school districts as unknown.

Officials from the **Office of the Secretary of State (SOS)** state many bills considered by the General Assembly include provisions allowing or requiring agencies to submit rules and regulations to implement the act. The SOS is provided with core funding to handle a certain amount of normal activity resulting from each year's legislative session. The fiscal impact for this fiscal note to the SOS for Administrative Rules is less than \$2,500. The SOS recognizes that this is a small amount and does not expect that additional funding would be required to meet these costs. However, the SOS also recognizes that many such bills may be passed by the General Assembly in a given year and that collectively the costs may be in excess of what the office can sustain with the core budget. Therefore, the SOS reserves the right to request funding for the cost of supporting administrative rules requirements should the need arise based on a review of the finally approved bills signed by the governor.

**Oversight** assumes the SOS could absorb the costs of printing and distributing regulations related to this proposal. If multiple bills pass which require the printing and distribution of regulations at substantial costs, the SOS could request funding through the appropriation process.

Officials from the **Joint Committee on Administrative Rules** assume this proposal is not anticipated to cause a fiscal impact beyond its current appropriation.

ASSUMPTION (continued)

Officials at the following school districts: Arcadia Valley R-2, Avilla R-13, Bakersfield, Belton, Benton County R-2, Bismark R-5, Bloomfield R-14, Blue Springs, Bolivar R-I, Bowling Green R-1, Branson, Brentwood, Bronaugh R-7, Campbell R-2, Carrollton R-7, Caruthersville, Central R-III, Chilhowee R-4, Chillicothe R-II, Clarkton C-4, Cole R-I, Columbia, Concordia R-2, Crawford County R-1, Crocker R-II, Delta C-7, East Carter R-2, Eldon R-I, Everton R-III, Fair Play, Fayette R-3, Forsyth R-3, Fox C-6, Fredericktown R-I, Fulton, Grain Valley, Hancock Place, Hannibal, Harrisonburg R-8, Harrisonville, Hillsboro R-3, Hollister R-5, Humansville R-4, Hurley R-1, Independence, Jefferson City, Kansas City Public Schools, Kearney R-1, Kennett #39, King City R-1, Kingston 42, Kirbyville R-VI, Lee Summit, Leeton R-10, Lewis County C-1, Lincoln R-II, Lindbergh, Lonedell R-14, Malta Bend, Mehville, Meramec Valley R-3, Mexico, Middle Grove C-1, Midway R-1, Milan C-2, Moberly, Monroe City R-I, Morgan County R-2, New Haven, Nixa, North Kansas City, North St. Francois Co. R-1, Northeast Nodaway R-5, Odessa R-VII, Oregon-Howell R-III, Orrick R-11, Osborn R-0, Parkway, Pattonville, Pettis County R-12, Pierce City, Plato R-5, Princeton R-5, Raymore-Peculiar R-III, Raytown, Reeds Springs R-IV, Renick R-5, Republic R-III, Richards R-V, Richland R-1, Richmond R-XVI, Riverview Gardens, Salisbury R-4, Sarcoxie R-2, Scotland County R-I, Sedalia, Seymour R-2, Shell Knob #78, Sikeston, Silex, Smithville R-2, Special School District of St. Louis County, Spickard R-II, Springfield, St Joseph, St Louis, St. Charles, St. Elizabeth R-4, Sullivan, Valley R-6, Verona R-7, Warren County R-3, Warrensburg R-6, Waynesville, Webster Groves, Wentzville, West Plains, Westview C-6 and the Wright City R-2 school districts did not respond to **Oversight's** request for fiscal impact.

<u>FISCAL IMPACT - State Government</u>	FY 2019 (10 Mo.)	FY 2020	FY 2021
<b>GENERAL REVENUE</b>			
<u>Cost</u> - DESE computer science work group, policy and standards §170.018	(Less than \$100,000)	(Less than \$100,000)	(Less than \$100,000)
<u>Transfer Out</u> - to the Computer Science Education Fund (§170.018.4) for grants	(Could exceed <u>\$100,000</u> )	(Could exceed <u>\$100,000</u> )	(Could exceed <u>\$100,000</u> )
<b>ESTIMATED NET EFFECT ON GENERAL REVENUE</b>	<b>(Could exceed <u>\$100,000</u>)</b>	<b>(Could exceed <u>\$100,000</u>)</b>	<b>(Could exceed <u>\$100,000</u>)</b>

<u>FISCAL IMPACT - State Government</u>	FY 2019 (10 Mo.)	FY 2020	FY 2021
<b>COMPUTER SCIENCE EDUCATION FUND</b>			
<u>Transfer In</u> - from General Revenue	Could exceed \$100,000	Could exceed \$100,000	Could exceed \$100,000
<u>Cost</u> - grants for professional development in computer science (§170.018)	(Could exceed <u>\$100,000</u> )	(Could exceed <u>\$100,000</u> )	(Could exceed <u>\$100,000</u> )
<b>ESTIMATED NET EFFECT ON COMPUTER SCIENCE EDUCATION FUND</b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>

<u>FISCAL IMPACT - Local Government</u>	FY 2019 (10 Mo.)	FY 2020	FY 2021
<b>LOCAL SCHOOL DISTRICTS</b>			
<u>Revenue</u> - from the state's Computer Science Education Fund - grants for professional development in computer science	Could exceed \$100,000	Could exceed \$100,000	Could exceed \$100,000
<u>Cost</u> - computer science course	<u>\$0</u>	<u>\$0</u>	<u>(Unknown)</u>
<b>ESTIMATED NET EFFECT ON LOCAL SCHOOL DISTRICTS</b>	<b>Could exceed <u>\$100,000</u></b>	<b>Could exceed <u>\$100,000</u></b>	<b>Could exceed \$100,000 to <u>(Unknown)</u></b>

FISCAL IMPACT - Small Business

No direct fiscal impact to small businesses would be expected as a result of this proposal.

### FISCAL DESCRIPTION

This act requires that by July 1, 2019, the Department of Elementary and Secondary Education (DESE) develop a high school graduation policy that allows a student to fulfill one unit of academic credit with a district-approved computer science course for any math, science, or practical arts unit required for high school graduation.

Additionally, by July 1, 2019, the State Board of Education shall convene a work group to develop and recommend academic performance standards relating to computer science. These standards shall be adopted and implemented beginning in the 2020-2021 school year. The Board shall also develop a procedure by which any licensed teacher who demonstrates sufficient content knowledge of computer science shall receive a special endorsement on his or her license signifying this specialized knowledge.

This act creates the "Computer Science Fund" for the purpose of providing teacher professional development programs relating to computer science. The Board shall award grants from the fund to eligible entities, as defined in the act, who have submitted an application to DESE, as specified in the act.

This legislation is not federally mandated, would not duplicate any other program and would not require additional capital improvements or rental space.

### SOURCES OF INFORMATION

Department of Elementary and Secondary Education  
Joint Committee on Administrative Rules  
Office of the Secretary of State  
Office of the State Treasurer  
Kirksville R-III School District  
Wellsville-Middletown R-1 School District  
Summersville R2 School District

Ross Strope



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Acting Director  
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