

COMMITTEE ON LEGISLATIVE RESEARCH
OVERSIGHT DIVISION

FISCAL NOTE

L.R. No.: 5952-01
Bill No.: HB 2128
Subject: Elementary and Secondary Education; Science and Technology
Type: Original
Date: January 30, 2018

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

FISCAL SUMMARY

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

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

*Income and Cost to the Fund net to zero.

Numbers within parentheses: () indicate costs or losses.

This fiscal note contains 8 pages.

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

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

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

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

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 **University of Central Missouri** assume there would be a positive impact for the university.

Officials from the **Summersville R2 School District** assume there would be a negative impact, especially on smaller districts.

Officials from the **West Plains School District** assume, if the computer science course is optional for students, there would be no cost impact on our school as the district already offers the course. However, if all students are required to take one full credit of computer science, the district would need to add two teachers and course related equipment. The annual cost would be estimated at \$150,000 per year.

Officials from the **Kirkville R-III School District** assume this proposal would have a negative fiscal impact on the district, as it takes away from general revenue.

§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 teachers who hold 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 **Department of Higher Education, Office of the State Treasurer, State Technical College of Missouri, Missouri State University** and **Missouri Western State University** assume the proposal will have no fiscal impact on their organizations.

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.

ASSUMPTION (continued)

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.

Officials at the following colleges: Crowder, East Central Community College, Harris-Stowe, Jefferson College, Lincoln University, Metropolitan Community College, Moberly Area Community College, Missouri Southern State University, Northwest Missouri State University, Southeast Missouri State University, State Fair Community College, St. Charles Community College, St. Louis Community College, Three Rivers Community College and Truman State University did not respond to **Oversight's** request for fiscal impact.

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, Macon County R-1, 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, 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
GENERAL REVENUE			
<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>)
ESTIMATED NET EFFECT ON GENERAL REVENUE	(Could exceed <u>\$100,000</u>)	(Could exceed <u>\$100,000</u>)	(Could exceed <u>\$100,000</u>)
 COMPUTER SCIENCE EDUCATION FUND			
<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>)
ESTIMATED NET EFFECT ON COMPUTER SCIENCE EDUCATION FUND	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

<u>FISCAL IMPACT - Local Government</u>	FY 2019 (10 Mo.)	FY 2020	FY 2021
LOCAL SCHOOL DISTRICTS			
<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>
ESTIMATED NET EFFECT ON LOCAL SCHOOL DISTRICTS	Could exceed <u>\$100,000</u>	Could exceed <u>\$100,000</u>	Could exceed \$100,000 to <u>(Unknown)</u>

FISCAL IMPACT - Small Business

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

FISCAL DESCRIPTION

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

The bill also requires the State Board of Education (SBE) to develop, adopt and implement academic performance standards relating to computer science.

Any teacher who demonstrates sufficient knowledge of computer science shall receive a special endorsement on his or her certificate of license to teach signifying such specialized knowledge in computer science.

This bill also creates the "Computer Science Education Fund," which will consist of moneys appropriated to it by the General Assembly as well as any gifts or contributions received for the purpose of providing teacher professional development programs related to computer science. The SBE awards grants from the fund to schools, higher education institutions, or nationally recognized providers of computer science professional development. The grants are awarded for the purpose of providing teacher professional development programs relating to computer science.


FISCAL DESCRIPTION (continued)

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
Department of Higher Education
Joint Committee on Administrative Rules
Office of the Secretary of State
Office of the State Treasurer
University of Central Missouri
Missouri State University
Missouri Western State University
State Technical College of Missouri
Kirksville R-III School District
West Plains School District
Summersville R2 School District

Ross Strope



Acting Director
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