

COMMITTEE ON LEGISLATIVE RESEARCH
OVERSIGHT DIVISION

FISCAL NOTE

L.R. No.: 4037-02
Bill No.: HB 1457
Subject: Elementary and Secondary Education; Department of Elementary and Secondary Education; Science and Technology
Type: Original
Date: January 3, 2018

Bill Summary: This proposal requires school districts to offer a course on computer programming to high school students.

FISCAL SUMMARY

| ESTIMATED NET EFFECT ON GENERAL REVENUE FUND | | | |
|--|------------|------------|------------|
| FUND AFFECTED | FY 2019 | FY 2020 | FY 2021 |
| | | | |
| Total Estimated Net Effect on General Revenue | \$0 | \$0 | \$0 |

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

Numbers within parentheses: () indicate costs or losses.
This fiscal note contains 6 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 | \$0 | (Could exceed \$100,000) | (Could exceed \$100,000) |

FISCAL ANALYSIS

ASSUMPTION

Officials from the **Department of Elementary and Secondary Education** assume the proposal will have no fiscal impact on their organization.

Officials from the **Wellsville-Middletown R-1** and **Summersville R2 School District** anticipate a negative fiscal impact.

Officials from the **Moberly School District #81** assume the cost will be about \$3,000 for start up and an annual fee for software of about \$700. Other costs involved will be for a teacher, equipment, and training.

Officials from the **Northeast Nodaway R-5 School District** assume this could cost several thousand dollars to get a good curriculum.

Officials from the **West Plains School District** state they currently offer this, so there is no immediate cost. However, it would result in additional required expense moving forward. Employing a computer science instructor results in an annual cost of \$50,000 - \$70,000.

Officials from the **Macon County R-IV School District** state the district currently has no personnel able to instruct in computer programming. While the bill allows for various avenues the district would face one or more of the following in order to comply:

1. Hire an instructor qualified to instruct computer programming. The current base salary for the district is \$27,700 plus benefits.
2. Acquire suitable virtual instruction.
3. Send students to a vocational-technical school for services. Currently the cost per student is \$1,800 annually.

Officials from the **Osage R-2 School District** assume this would have no additional cost.

Officials from the **Kirksville R-III School District** assume the proposal will have no fiscal impact on their organization.

ASSUMPTION (continued)

Oversight notes this proposal requires all school districts to offer a course on computer programming to all students beginning in school year 2019-2020 (FY 2020). This course is required to be taught by a teacher holding a certificate. Oversight assumes some school districts will have expenses for hiring additional teachers, obtaining the computers and space to hold the classes and for supplies needed for the course. Oversight is unable to determine how many school districts currently teach the course as required by the proposal. Oversight will show an impact of could exceed \$100,000 to school districts.

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, Monroe City R-I, Morgan County R-2, New Haven, Nixa, North Kansas City, North St. Francois Co. R-1, 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 |
|---|---------------------|------------|------------|
| | <u>\$0</u> | <u>\$0</u> | <u>\$0</u> |

| <u>FISCAL IMPACT - Local Government</u> | FY 2019 (10 Mo.) | FY 2020 | FY 2021 |
|---|---------------------|---------|---------|
|---|---------------------|---------|---------|

SCHOOL DISTRICT FUNDS

| | | | |
|--|------------|-------------------------------------|-------------------------------------|
| Costs - teachers, computers, classrooms and/or supplies needed to offer a course on computer programming | <u>\$0</u> | (Could exceed <u>\$100,000</u>) | (Could exceed <u>\$100,000</u>) |
|--|------------|-------------------------------------|-------------------------------------|

| | | | |
|--|------------|-------------------------------------|-------------------------------------|
| ESTIMATED NET EFFECT ON SCHOOL DISTRICT FUNDS | <u>\$0</u> | (Could exceed <u>\$100,000</u>) | (Could exceed <u>\$100,000</u>) |
|--|------------|-------------------------------------|-------------------------------------|

FISCAL IMPACT - Small Business

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

FISCAL DESCRIPTION

This proposal requires each school district, after the 2018-19 school year, to offer a course on computer programming to all high school students. The bill provides specified options for the school district to develop or use an established curriculum for the course. Students taking the course may have the course count as an elective or practical arts credit. The course shall be taught by a certified teacher and may be offered as an online course or through videoconferencing.

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
Kirksville R-III School District
Macon County R-IV School District
Moberly School District #81
Northeast Nodaway R-5 School District
Osage R-2 School District
Summersville R2 School District
Wellsville-Middletown R-1
West Plains School District

Ross Strobe



Acting Director
January 3, 2018