

1 AN ACT relating to computer science education.

2 ***Be it enacted by the General Assembly of the Commonwealth of Kentucky:***

3 ➔Section 1. KRS 158.849 is amended to read as follows:

- 4 (1) The Kentucky Board of Education shall establish long-term and annual statewide
5 goals for increasing:
- 6 (a) The number of high schools providing rigorous curricula and making
7 available accelerated classes and college credit for students;
 - 8 (b) The number and percentage of students enrolled in and completing AP and IB
9 courses by content area;
 - 10 (c) The number and percentage of students taking the AP and IB examinations in
11 advanced science and mathematics;
 - 12 (d) The number and percentage of students receiving a score of three (3) or better
13 on the AP examinations or five (5) or better on IB examinations in advanced
14 science and mathematics;
 - 15 (e) The number and percentage of students whose families are eligible for free or
16 reduced-price lunch receiving a score of three (3) or better on AP
17 examinations or five (5) or better on IB examinations;
 - 18 (f) ***The number and percentage of students in underrepresented groups,***
19 ***including females, minorities, students with disabilities, English language***
20 ***learners, and students whose families are eligible for free or reduced-price***
21 ***lunch, taking computer science courses as defined by the Kentucky***
22 ***Department of Education in middle school and high school, including***
23 ***career and technical education programs;***
 - 24 (g) The number of teachers successfully completing a College Board-endorsed
25 AP or IB summer training institute;
 - 26 (h)~~(g)~~ The number of teachers with the knowledge and training needed to
27 prepare students for high achievement on AP and IB examinations in

1 advanced science and mathematics; and

2 ~~(i)(h)~~ Other criteria determined by the board.

3 (2) (a) The Kentucky Department of Education shall develop a program evaluation
4 framework regarding the use of the science and mathematics advancement
5 fund for the purposes set forth in KRS 158.847. The program evaluation
6 framework shall address areas including but not limited to the use of funds,
7 the number of grants and awards, student achievement outcomes, and trends
8 over time on the indicators established to measure progress against the
9 statewide goals under subsection (1) of this section.

10 (b) Beginning in 2008, the department shall submit an annual report no later than
11 December 1 to the Kentucky Board of Education and the Interim Joint
12 Committee on Education. The report for 2008 shall provide a status report on
13 the implementation of programs supported by the science and mathematics
14 advancement fund. Subsequent reports shall incorporate information collected
15 and analyzed based on the program evaluation framework under paragraph (a)
16 of this subsection.

17 (c) Beginning in 2020, the department shall submit an annual report no later
18 than December 1 to the Kentucky Board of Education and the Interim Joint
19 Committee on Education that includes an unduplicated count of the
20 number and percentage of public school students participating in computer
21 science courses and other computer science educational opportunities. The
22 data shall be disaggregated by gender, race, disability, English proficiency,
23 and participation in the federal free and reduced-price lunch program. The
24 report shall also include the number of computer science courses or
25 programs offered in each school, the nature of the computer science
26 courses or programs, the number of advanced placement computer science
27 classes offered, and the number of computer science instructors at each

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school disaggregated by certification, gender, and terminal degree.