

158.849 Long-term statewide goals concerning STEM disciplines and AP and IB course participation.

- (1) The Kentucky Board of Education shall establish long-term and annual statewide goals for increasing:
 - (a) The number of high schools providing rigorous curricula and making available accelerated classes and college credit for students;
 - (b) The number and percentage of students enrolled in and completing AP and IB courses by content area;
 - (c) The number and percentage of students taking the AP and IB examinations in advanced science and mathematics;
 - (d) The number and percentage of students receiving a score of three (3) or better on the AP examinations or four (4) or better on IB examinations in advanced science and mathematics;
 - (e) The number and percentage of students whose families are eligible for free or reduced-price lunch receiving a score of three (3) or better on AP examinations or four (4) or better on IB examinations;
 - (f) The number and percentage of students in underrepresented groups, including females, minorities, students with disabilities, English language learners, and students whose families are eligible for free or reduced-price lunch, taking computer science courses as defined by the Kentucky Department of Education in middle school and high school, including career and technical education programs;
 - (g) The number of teachers successfully completing a College Board-endorsed AP or IB summer training institute;
 - (h) The number of teachers with the knowledge and training needed to prepare students for high achievement on AP and IB examinations in advanced science and mathematics; and
 - (i) Other criteria determined by the board.
- (2)
 - (a) The Kentucky Department of Education shall develop a program evaluation framework regarding the use of the science and mathematics advancement fund for the purposes set forth in KRS 158.847. The program evaluation framework shall address areas including but not limited to the use of funds, the number of grants and awards, student achievement outcomes, and trends over time on the indicators established to measure progress against the statewide goals under subsection (1) of this section.
 - (b) Beginning in 2008, the department shall submit an annual report no later than December 1 to the Kentucky Board of Education and the Interim Joint Committee on Education. The report for 2008 shall provide a status report on the implementation of programs supported by the science and mathematics advancement fund. Subsequent reports shall incorporate information collected and analyzed based on the program evaluation framework under paragraph (a) of this subsection.

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

Effective: July 15, 2020

History: Amended 2020 Ky. Acts ch. 60, sec. 1, effective July 15, 2020. -- Created 2008 Ky. Acts ch. 134, sec. 5, effective July 15, 2008.