



...accelerating achievement in math, science and English

AdvanceKentucky Profile August, 2008

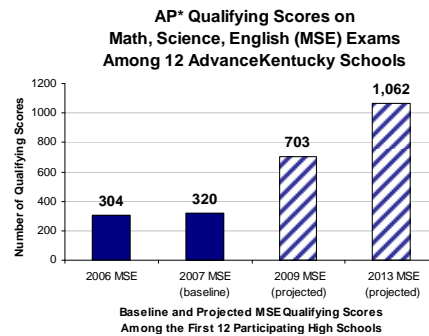
AdvanceKentucky is a statewide math-science initiative dedicated to helping Kentucky's students reach new heights in rigorous academic achievement. Begun in 2007, this is a six-year partnership between Kentucky Science and Technology Corporation (KSTC) and the National Math and Science Initiative (NMSI). Under conditions of matching over the six years, NMSI has committed \$13.2 million to AdvanceKentucky through funding from Exxon Mobil Corporation.

The first 12 schools were announced on April 2, 2008, before the Kentucky Board of Education.

The NMSI Model, comprised of interrelated elements that have been proven successful, is premised on a philosophy of inclusiveness and high expectations for each student to prepare for and participate in academically rigorous coursework, i.e., the Advanced Placement (AP) Program*. This includes extensive Pre-AP preparation strategies.

The eligible math, science and English (MSE) AP courses include: Calculus (AB, BC), Computer Science A, Statistics, Biology, Chemistry, Environmental Science, Physics (B, C: Electricity and Magnetism, C: Mechanics), English Language and English Literature.

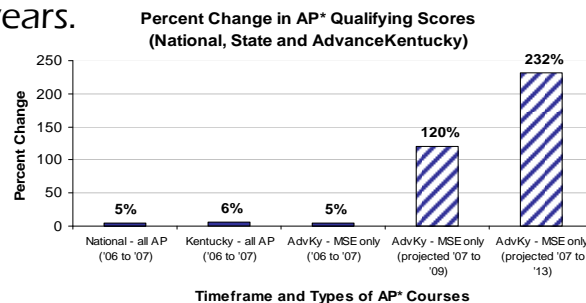
Success is measured by growth in students' participation in AP courses both in terms of enrollments and of Qualifying Scores (three and above on a five-point scale) in eligible AP courses.



The chart above presents the baseline data and growth projections for the number of students achieving qualifying scores on MSE AP exams among the first 12 AdvanceKentucky schools implementing the NMSI Model.

To place these aggressive growth projections in perspective, the number of Qualifying Scores on AP exams in all subjects increased from 2006 to 2007 by 5% nationally and 6% in Kentucky.

Yet, the first 12 schools' scores are projected to grow by 120% in the first year and more than 230% over five years.



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