

APTIP



THE PROBLEM

The United States is losing its competitive edge in math and science while the rest of the world soars ahead. Our knowledge capital — which fuels innovation and economic growth — is at risk.

Recent international comparisons showed the U.S. ranked 25th in math and 17th in science.

THE NATIONAL MATH AND SCIENCE SOLUTION

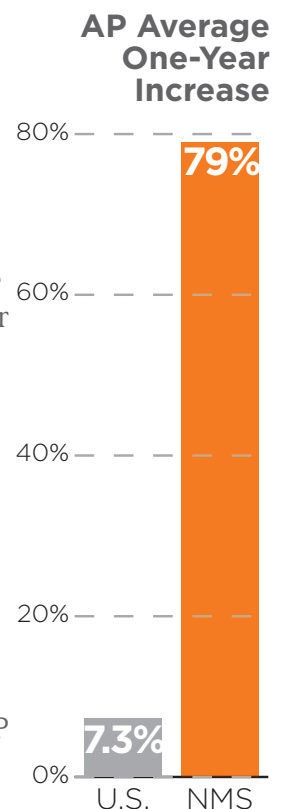
National Math and Science is a non-profit organization created in 2007 by leaders in American business, education, and science. One of the ways National Math and Science is raising the academic bar in American public schools is through the Advanced Placement Training and Incentive Program* (APTIP), which helps more students succeed in college-level AP math, science, and English courses.

Why AP? Students who master the challenging AP coursework are three times more likely to graduate from college. AP students rank on a par with top students from other countries.

OUR AP PROGRAM PRODUCES RESULTS

AP schools in six vanguard states have produced substantial, sustained results for the last four years. There is no other formal program in the country that has produced these types of results. Results show that:

- + Our AP program has an immediate impact on students' lives. Schools that have gone through the program average an increase of **79 percent** in the number of qualifying AP math, science, and English exams after just one year, which is **11 times** the national average.
- + Gains for traditionally underrepresented groups are even more impressive. Qualifying scores for African-American and Hispanic students average an increase of **107 percent** in AP math, science, and English the first year of the program, which is **8 times** the national average. The average one-year increase in qualifying scores for female students in AP math and science is **84 percent**, which is **12 times** the national average.
- + Schools that have been in the program for four years showed record-setting increases in 2012 — an overall gain of **140 percent** in qualifying scores in AP math, science, and English.



*Advanced Placement and AP are registered trademarks of the College Board.



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FORMULA FOR SUCCESS

National Math and Science begins by selecting state non-profit organizations with strong leadership to implement the AP Program statewide. Those state affiliates then build local support to ensure the long-term sustainability of the program. To bring the AP Program to life in the classroom, National Math and Science has trained **more than 11,000** pre-AP and AP teachers from across the country in the last four years. The core elements that make the AP Program effective are:

- + Extra training for AP teachers
- + On-going support from master teachers
- + More time on task for students in after-school and Saturday study sessions
- + Incentives for teachers and students to excel

“The National Math and Science schools are having phenomenal success in raising AP scores among minority students”

— Arne Duncan
Secretary of Education

July 15, 2010
College Board AP Conference

SCALING UP WORKS!

The AP Program is proving that national replication of classroom-tested programs works. In fall 2012, the National Math and Science AP model will be implemented in nine states: Alabama, Arkansas, Colorado, Connecticut, Indiana, Kentucky, Massachusetts, Texas, and Virginia.

The AP Program also is being implemented in **52 schools in 15 states** as part of the **Initiative for Military Families (IMF)**, which is bringing the beneficial AP math and science courses to students in military families. With additional funding, we can expect to expand IMF to 150 public high schools, ensuring that a high percentage of military families will be served.

