

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 NMSI SOLUTION

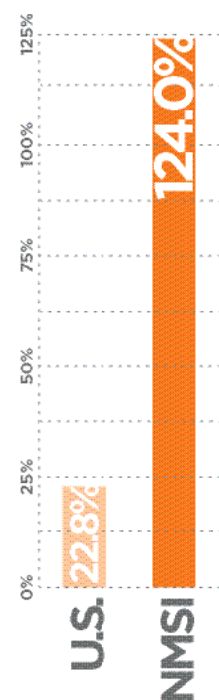
NMSI is a non-profit organization created in 2007 by leaders in American business, education and science. One of the ways NMSI is raising the academic bar in American public schools is through the **Advanced Placement* Training and Incentive Program**. APTIP helps more students succeed in AP math, science 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.

APTIP PRODUCES RESULTS

- + APTIP schools in six vanguard states have produced substantial, sustained results for the last three years. There is no other formal program in the country that has produced these types of results. Results from the College Board for 2008-2011 showed an average increase of **124 percent** in passing scores on AP math, science and English exams (see chart). That's nearly **six times** the national average.
- + Gains for under-represented groups were even more impressive. Passing scores for African-American and Hispanic students went up **216 percent** in AP math, science and English, which is over **four times** the national average. Passing scores for female students in AP math and science rose **144 percent**, which is over **seven times** the national average.
- + Even schools that implemented APTIP for the first time in 2010-2011 showed record-setting increases – an overall gain of **89 percent** in passing scores in AP math, science, and English – **11 times** the national average.

AP Increases
2008-2011



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



APTIP

APTIP'S FORMULA FOR SUCCESS

NMSI begins by selecting state non-profit organizations with strong leadership to implement APTIP statewide. Those state affiliates then build local support to ensure the long-term sustainability of the program. To bring APTIP to life in the classroom, NMSI has trained **more than 8,000** pre-AP and AP teachers from across the country in the last three years. The core elements that make APTIP 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.

SCALING UP WORKS

APTIP is proving that national replication of classroom-tested programs works. In fall 2011, the APTIP model will be implemented in nine states: Alabama, Arkansas, Colorado, Connecticut, Kentucky, Massachusetts, South Dakota, Texas, and Virginia.

APTIP also is being implemented in **29 schools in 10 states** as part of NMSI's Initiative for Military Families (IMF), which is bringing the beneficial AP math and science courses to students in military families. Commitments have already been made to boost the number to 37 next year.

"The 67 schools in the new National Math and Science Initiative on AP are great examples of the power of quality instruction, more time spent on task, and rigorous, content-focused teacher training. The NMSI schools are having phenomenal success in raising AP scores among minority students. In the single year of implementation to date, the number of African-American and Latino students who scored a 3 or higher on AP exams in math, science, and English jumped more than 70 percent."

— Secretary of Education Arne Duncan
July 15, 2010
College Board AP Conference

