



Why Support the Advanced Placement Training and Incentive Program?

Ten Reasons for Success

- 1. Mastering AP coursework helps many more students succeed in college.** Students passing AP exams are **three times more likely** to earn a college degree than students who do not pass.
- 2. Passing AP courses helps more students graduate on time from college.** Many students take five or six years to earn their bachelor's degrees at public colleges and universities. Students who take AP courses and exams are much **more likely to graduate in four years at no extra cost.**
- 3. Graduating from college in four years saves students and their parents thousands of dollars.** Students who take longer to graduate from a public college or university typically pay between **\$8,000 and \$19,000 for each additional year.** Students attending a private institution might incur more than \$25,000 for each additional year it takes to earn a bachelor's degree.
- 4. Taking AP courses increases eligibility for scholarships and makes candidates more attractive for college admission.** **31 percent of colleges and universities consider a student's AP experience** when making decisions about which students will receive scholarships. **85 percent of selective colleges and universities report that a student's AP experience favorably impacts admissions decisions.**
- 5. The APTIP program makes advanced math and science courses more accessible for African-American and Hispanic students, who are often under-represented in science, technology, engineering, and math fields.** African American and Hispanic students who pass an AP exam are **four times more likely** to earn a college degree than those who do not pass. In its first year, the 67 schools receiving grants from NMSI to provide AP training and incentives saw a **122 percent increase in enrollment** of African American and Hispanic students.
- 6. The APTIP program makes advanced math and science courses more accessible for female students, who also are often under-represented in STEM fields.** Women contribute 46 percent of the workforce in the U.S., but hold just 26 percent of the jobs in engineering, science and technology. The 67 initial NMSI program schools saw a **74 percent increase in enrollments** in AP math, science and English classes by female students.

7. APTIP promotes public/private partnerships and local control. NMSI's state affiliates have built strong coalitions with leaders in business, government, education and the community to ensure the long term sustainability of the more rigorous coursework. A non-profit organization with a strong board implements the program in each state, which invites community buy-in.

8. The NMSI APTIP program is a comprehensive, multi-faceted approach with interlocking elements that are all essential for success:

- **Open enrollment** so all students regardless of income, gender, race or ethnicity have a chance to succeed.
- More **student time-on-task**, reinforced by special study sessions.
- **Exam fee support** to make advanced courses affordable for more students.
- **Student recruitment/ counseling** so more students will have the confidence and support to take advanced courses.
- **Mini-scholarship incentives** for success for students.
- **Supplies and equipment** provided for the state-of-the-art lab projects essential for exploratory learning.
- **Stipends and bonuses for teachers and administrators** who put in extra time and effort for AP instruction.
- Rigorous content-focused **teaching training** for AP and Pre-AP courses.
- **Lead teachers** who serve as mentors.
- **Vertical teaming** so students benefit from a progressive ladder of learning.

9. Receiving college credit for AP courses helps students double major in college or add study abroad without taking extra time to graduate. Because more than 3,200 colleges and universities in the U.S. offer credit and/or advanced placement for qualifying AP scores, AP students have the **flexibility to add a major or study abroad** without putting at risk graduation in four years.

10. The NMSI training and incentive approach works. We multiply success.

In its first year, APTIP has been implemented in 67 public high schools.

- **13,000 students enrolled** in AP math, science, and English courses
- **69% increase** in overall enrollment in AP math, science, and English courses
- **74% increase** in female students enrolled in AP math and science courses
- **122% increase** in African American and Hispanic enrollment in AP math, science, and English courses
- **449 more** NMSI-trained AP math, science, and English teachers
- **Overall, the NMSI program resulted in a 51 percent improvement in the number of qualifying scores (3 to 5) on AP exams in participating schools – that's more than nine-times the national average.**

Looking Ahead:

- In fall 2009, NMSI will be operating in **145** public high schools
- This year, NMSI will train over **1,000** AP math, science, and English teachers
- In four years, NMSI projects operations in **350** public high schools
- At the end of NMSI's five-year grant period, its six state partners will have trained **2,500** teachers and impacted over **150,000** high school students.

For more information, please visit www.nationalmathandscience.org.