



NMSI's College Readiness Program

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National Math & Science Initiative

- ▶ NMSI's programs have impacted:
 - ▶ 1.5 million + students
 - ▶ 50,000 teachers
 - ▶ 1,000 high schools
 - ▶ 44 universities



College Readiness Program

- ▶ Three-year partnership with high schools to dramatically increase number of students taking AP exams and receiving qualifying scores
- ▶ Provides exceptional professional development for science, math and English AP teachers
- ▶ Total financial provisions over three years approximately **\$500,000 to \$750,000**



College Readiness Program

▶ AP teacher receives:

- ▶ Four full days of training in summer
- ▶ Two full days in fall
- ▶ Two full days in spring
- ▶ 3 Saturday study sessions with expert mentor
- ▶ Personal mentor and additional networking

Professional Development 3-11

- ▶ Four full days of training for 27 teachers over summer
- ▶ Vertical curriculum articulation leading to AP course
- ▶ Science, math and English teachers at all levels
- ▶ Access to hundreds of lesson plans, mock tests and materials

Support for Students

- ▶ Pay half of the cost of AP exams taken (requirement of program)
- ▶ Three Saturday study sessions with AP expert and AP teachers
- ▶ \$35,000 course equipment and supplies
- ▶ \$100 per every 3, 4, or 5 on AP MSE exam
- ▶ Students scoring 2 on AP achieve 2.83 first year of college

State Results

- ▶ 7 schools that began the program in 2015-2016 accounted for 25% of the entire state's gains in math, science, and English scores
- ▶ The 7 first-year schools (2016-2017) saw an increase of 167% for all students in Math, Science and English Passing Scores



Participating Schools

Pittsburgh Allderdice

Chartiers Valley

West Allegheny

Kiski Area

Trinity Area

Ringgold

Moon Area

Brentwood

Pittsburgh CAPA

Deer Lakes

Peters Township

Penn Hills

Chartiers-Houston

Franklin Regional

Mars Area

Keystone Oaks

District Commitment

\$25,000 per year for three years-match

Plus cost of hourly rate (per CBA) for work outside the contract

Eight AP teachers: 4 days + 3 Saturdays (4 hrs.) = \$12,320

27 teachers grades 3-11: 4 days = \$30,240

Total for hourly rates: \$42,560

Current budget for PD is approximately \$35,000

Advantages

- ▶ Solid vertical alignment of curriculum grades 3-11 with nationally normed standards and assessment items
- ▶ More students engaged in AP coursework
- ▶ Better preparation for college and career
- ▶ Exemplary professional development that will impact the entire educational system
- ▶ First school district in Beaver County to engage with these experts
- ▶ Increased SAT scores