

NATIONAL MATH + SCIENCE INITIATIVE



Tim Scott

Superintendent at Kiski Area School District, PA

"NMSI is much more than just an initiative. It truly represents a cultural shift that is providing students, especially students who are historically under-represented, access to high level courses and instruction."



Breanna Ramsey

Student at Cass Technical High School, MI

"I feel very prepared. With the combination of NMSI and my supportive teachers, I feel like I can go far."

Transforming Education

NMSI is empowering teachers and equipping students to thrive in college and career. We partner with schools and districts nationwide to provide extraordinary training and support for teachers and to give all students the resources they need to develop and demonstrate knowledge and skills that will propel them throughout their lives.



Early Exposure LAYING THE FOUNDATION

Equipping educators teaching grades 3-12 with classroom resources, hands-on training and best practices.



Pathway to College COLLEGE READINESS PROGRAM

Supporting school systems by increasing access to high-quality, rigorous AP courses, especially for students furthest from opportunity.



Reaching All Students MILITARY FAMILIES MISSION

Providing consistency in education across the country to ensure that high-mobility students can succeed in any school.



Prepping the Pipeline TEACHER PATHWAYS

Meeting the demand for qualified STEM teachers by creating multiple ways for subject experts to take on the classroom.

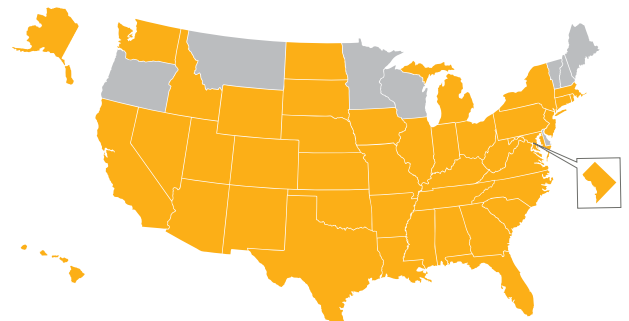
To date, NMSI's programs have impacted:

2 Million Students

65,000+ Teachers

1,300+ High Schools

45 Universities



Next Steps

Contact your NMSI representative or email customerservice@nms.org to learn more.

COLLEGE READINESS PROGRAM

Transforming Education

Through its flagship **College Readiness Program**, NMSI helps local school systems immediately increase access and achievement in STEM education while developing sustainable capacity to propel students toward success as lifelong learners and problem solvers. Together, we're eliminating STEM Deserts to ensure all students have access to the STEM education they need and deserve.



Sergio Saucedo

Academic Dean at Veterans Memorial High School, TX

"Part of the experience is changing the culture of the campus. If students are willing to step up to a challenge, NMSI has given us a good foundation for not only growth and support for our teachers, but for our students."



Christina Toler

Student at Grovetown High School, GA

"In AP Chem, the teacher taught us a completely different way to solve the problem and it blew all of our minds."



35% increase in college readiness*

29% for female students

43% for African-American students

22% for Latino students



11.7K AP teachers trained since 2007



39% increase in AP enrollment**

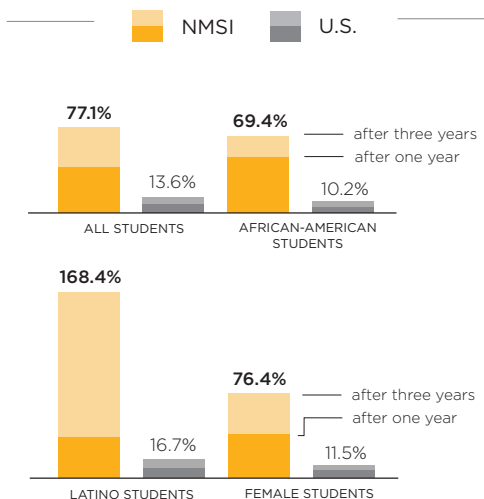
36% for female students

76% for African-American students

26% for Latino students

*as defined by earning of 2, 3, 4 or 5 on a math, science or English AP exam from school year 2016-17 to 2017-18
**from school year 2016-17 to 2017-18

Increase In Mastery of College-Level Concepts from school years 2014-15 to 2017-18 (as defined by earning a 3, 4 or 5 on an AP exam)



Elements of Success

TEACHER SUPPORT

Content-Specific Training

Mentors

Online Curricular Resources

STUDENT SUPPORT

Focused Study Sessions

AP Course Supplies

Exam Fee Subsidies

SCHOOL SUPPORT

Performance Analysis

Academic & Program Experts

Goal Setting & Accountability

Next Steps

Contact your NMSI representative or email customerservice@nms.org to learn more and apply.

MILITARY FAMILIES MISSION

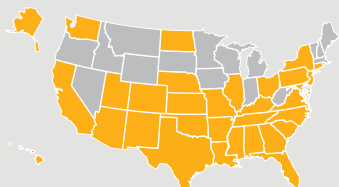


Josephine Juarez
Principal at Veterans
Memorial High School, TX

"When you have an Advanced Placement course, you don't have to worry as much about that transition, because it's nationwide. Our kids can jump right in to the course that they left behind, finish it here and test successfully."

REACHING FARTHER

With support from our funding partners, NMSI's Military Families Mission has extended its reach to 33 states across the nation.



To learn more, visit
nms.org/MFM

Serving Success

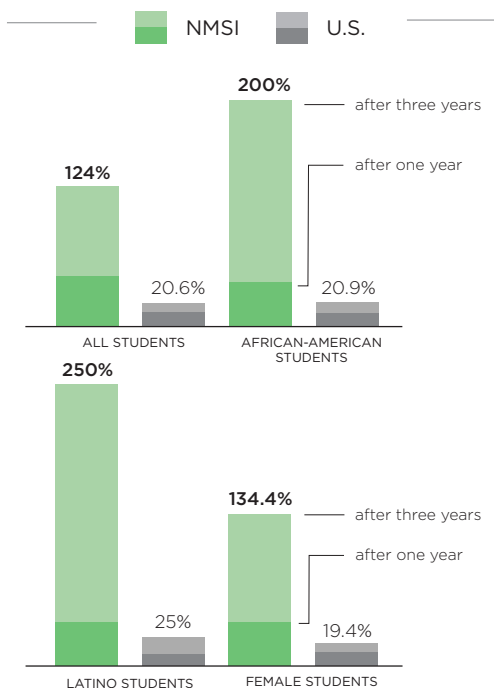
Military readiness today depends on mission-focused Service Members who trust their children's schools. Readiness tomorrow will depend even more on Service Members with critical thinking, problem-solving and STEM-focused skills. NMSI's **Military Families Mission** empowers military-connected communities to meet the needs and support readiness now and in the future.

We've collaborated with **235** military-connected schools, supporting **95** military installations, to achieve a **34%** increase in college readiness¹ in math and science after just one year in our program.

¹as defined by receiving a 2, 3, 4 or 5 on a math or science AP exam; based on available data for school years 2016-17 through 2017-18

Increase In Mastery of College-Level Math and Science Concepts from school years 2014-15 to 2017-18

(defined by earning a 3, 4 or 5 on an AP math or science exam)



Partners + Donors

NMSI proudly joins forces with the **Department of Defense** and other donors and partners to further STEM education, including:

ExxonMobil

DoDSTEM
Science • Technology • Engineering • Mathematics

JACK KENT COOKE FOUNDATION



Military Child Education Coalition
for the sake of the child.

LOCKHEED MARTIN

BAE SYSTEMS



Military Impacted Schools Association
providing for the needs of military children

dodea
DEPARTMENT OF DEFENSE EDUCATION ACTIVITY

BOEING



JOINING FORCES

netop
ARMY EDUCATIONAL OUTREACH PROGRAM



NORTHROP GRUMMAN

Next Steps

Contact your NMSI representative or email customerservice@nms.org with any questions.



LAYING THE FOUNDATION



Denise King

Teacher at Maynard H.
Jackson High School, Atlanta

"Laying the Foundation was phenomenal. I've learned how to scaffold, how to differentiate, how to teach the skills necessary for my students to find success."

AVAILABLE TRAINING

GRADES 3-5
Math/Science
English/Social Studies

MIDDLE SCHOOL
English
Math
Science

HIGH SCHOOL
English
Math
Biology
Chemistry

NEXT STEPS

Contact your NMSI representative or email customerservice@nmsi.org to learn more and get started

Preparing for Success

Unlocking student potential starts with great teachers. NMSI's **Laying the Foundation** gives teachers the resources they need to raise expectations and develop advanced levels of thinking and learning. Led by expert educators, LTF helps teachers build and maintain subject matter expertise, enhance their leadership of diverse classrooms, and prepare students to be confident and creative problem solvers.



**hands-on
training**



**classroom-ready
resources**



**instructional
best practices**

Year One: Thinking About Learners

Teachers learn and practice delivering high-quality lessons while gathering feedback from other educators

Year Two: Thinking About Teaching

Teachers analyze and reflect on how they prepare and lead classes and learn best practices from expert teachers and other educators

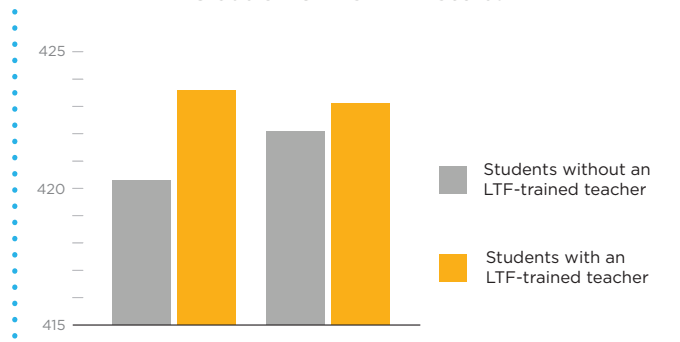
Year Three: Choosing a Pathway

Coming in summer 2020: Teachers select the development path that suits their needs

50K
teachers trained in
1.8K
districts across the
country since 2009

LTF-Trained Teachers See Results

Grade 8 ACT ASPIRE™ Scores¹



¹Phelan, J. and Brown, R. (2017). *ALSDE/A+ College Ready LTF teacher implementation evaluation study* (West Coast Analytics Research Report). Irvine, CA: West Coast Analytics.