

Bring NMSI to Our Schools

Dear Principal, Superintendent and Board Members,

I recently came across the [National Math and Science Initiative](#), a non-profit organization known as “nym SEE” that appears to be helping school systems across the country increase access and achievement in advanced education for all students.

According to students, parents, teachers and administrators, the partnership and resources from NMSI have led to great and lasting achievements in all types of schools.

As a taxpayer, I recognize that you must be prudent with how resources are spent. Based on what I've been able to learn, NMSI works with schools to effectively reallocate existing money used for such things as classroom materials, lab supplies and continuing professional development. The organization also helps find new sources of funds from government grants, local companies and philanthropies. Nearly all those grants provide additional money for the expenses listed above so there can be more professional development for principals, counselors and teachers and new supplies for students. There's even the potential for additional subsidies for students who take the annual Advanced Placement exams.

I'm asking you to look at the materials I downloaded from NMSI and to schedule a call with the organization. I know that you're busy and I know that you want the best education for all our students. I believe NMSI could help.

Sincerely,

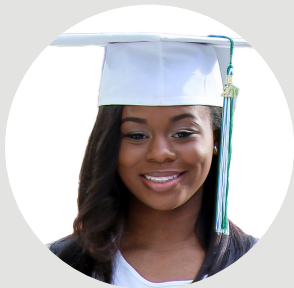
NATIONAL MATH + SCIENCE INITIATIVE



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

Former 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.”

Rethinking K-12 Education

NMSI transforms K-12 education by setting high standards, removing barriers, building on teachers’ strengths and ensuring all students have the access, resources and support they need to excel in rigorous math, science, English and computer science education.

NMSI learns community needs by working directly with district and campus leaders, counselors, teachers, students and families to introduce proven solutions and help guide the way toward lasting success.



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 MILITARY FAMILIES MISSION

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



Focus on Computer Science CS ALIGNED

Partnering with districts to launch and sustain a K-12 computer science program with evidence-based curricula.



Prepping the Pipeline TEACHER PATHWAYS

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

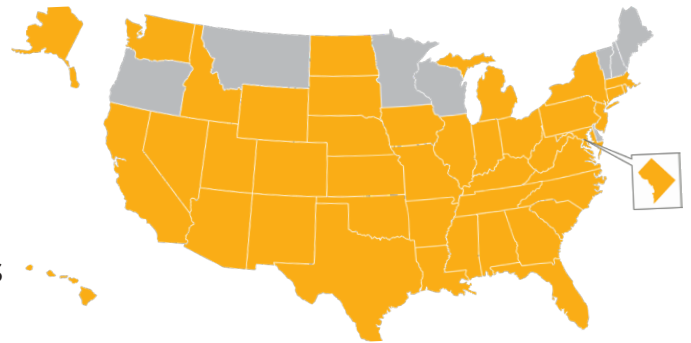
To date, NMSI’s programs have impacted:

2 Million Students

65,000+ Teachers

1,400+ High Schools

45+ Universities



Next Steps

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

How is your school doing?

Visit STEMOpportunityIndex.com to see how your school, district and state are performing in more than 100 indicators of STEM success.



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

LTF is offered in person and online. Summer 2020 trainings are online only. Learn more at nms.org/SummerSeries.

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@nms.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

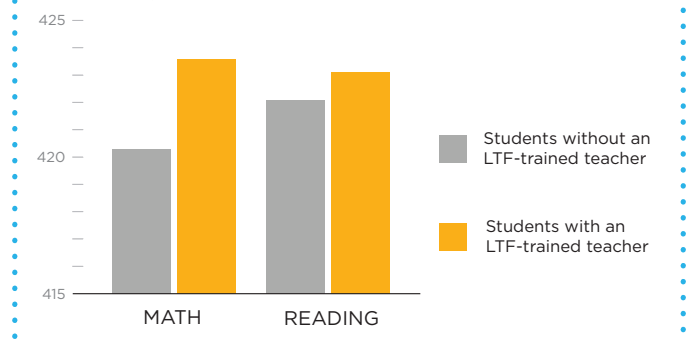
Year Three: Choosing a Pathway

Coming in summer 2021: 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 Students of LTF-trained teachers scored higher on ACT ASPIRE™ exams than their peers!



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.

COLLEGE READINESS PROGRAM



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.”

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.



35% increase in college readiness*

31% for female students
41% for African-American students
22% for Latino students



11.9K AP teachers trained since 2007

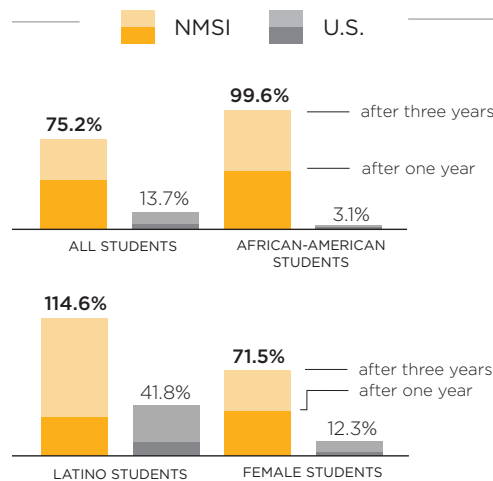


41% increase in AP enrollment**

38% for female students
59% for African-American students
28% 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 2018-19
**from school year 2016-17 to 2018-19

Increase In Mastery of College-Level Concepts from school years 2014-15 to 2018-19 (as defined by earning a 3, 4 or 5 on an AP exam)



Elements of Success

TEACHER SUPPORT		
Content-Specific Training	Coaching	Online Curricular Resources
STUDENT SUPPORT		
Focused Study Supports	AP Course Supplies	Exam Fee Subsidies
SCHOOL SUPPORT		
Leadership Development	Performance Analysis	Goal Setting & Accountability

Next Steps

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

NMSI Accelerates Online and Blended Education

About NMSI

NMSI is a Dallas-based non-profit founded in 2007. More than 50,000 teachers have experienced one or more of our evidenced-based programs and more than 2 million students have benefited from our work.

AP® Courses Supported Online

Biology
Computer Science Principles
Computer Science A
Calculus AB
Calculus BC
Chemistry
Environmental Science
Physics 1
Physics 2
Physics C
Statistics
English Language
English Literature

Next Steps

To learn more about our blended and online-only services, contact your NMSI representative or email customerservice@nms.org.

Building on Success from Proven Programs

The National Math and Science Initiative began delivering online and blended (a mix of in-person and online) supports for teachers and students in 2018, using the foundations of our proven in-person training and study resources to reach more students and teachers now and in the future.

NMSI's online and blended programs provide research-based teacher and student support, expand opportunities for schools in urban and rural districts and can support home learning. Regardless of location, teachers and students have access to an online community where they can seek guidance and build deep relationships. NMSI has a growing model to provide online and blended solutions that leverage rich content and best practices.

*“Some people will give you a book and say, ‘Go learn it.’ [NMSI’s online coaches] are not just showing what they did, but also modeling how they did it **so you can see it in action.**”*

— Shana Martin

AP® Chemistry Teacher | Jonesboro, GA

Types of Online Support

For Teachers

Live Sessions

Online Cohorts

AP Reader Chats

Participant Guides

For Students

Live Sessions

Office Hours

Online Review Modules

Study Session Materials

Additional School Support

Dedicated program management to set and reach ambitious goals for student access and achievement in rigorous courses, teacher training and leadership development

Resources for classroom and lab

Sustainment planning to ensure long-lasting change and the development of students who are ready for success in college, career and community life

Developing New Supports

Beginning in summer 2020, NMSI will evolve its highly regarded **Laying the Foundation** and **College Readiness Program** summer teacher trainings to blended delivery. The move expands support for teachers in grades 3-12 from four days a year to year-round without increasing operational costs.

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LEADERSHIP DEVELOPMENT WITH NMSI



Justin Anderson

Assistant Principal at Skyline High School, Oakland, CA

“Everything I’ve touched related to NMSI is valuable. All the support and resources and training opportunities we can provide teachers and students through NMSI is really out of scope of what we can do with the general budget.”

BUILDING THE TEAM

Based on Student Enrollment

0-349	3 Team Members
350-749	4 Team Members
750+	5 Team Members

AVAILABLE TRAINING

**July 2020:
Online Learning
Series — Leadership**

NEXT STEPS

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

Empowering Local Leaders

School leaders have a critical role in building a culture that invites and challenges students traditionally underrepresented in Advanced Placement courses. School leaders are also integral in making sure adequate support is available so students are set up for academic achievement. NMSI’s College Readiness Program provides school leaders with essential **tools for the growth and cultivation** of AP programs, student achievement within these programs, and access to a network of like-minded leaders.

Advanced Academic Leadership Team

NMSI Program Managers meet regularly with leaders for strategic planning and dialogical coaching about best practices for increasing access to and success in college-level coursework. Leadership teams should include an administrator, counselor and other influential school leaders, such as teachers who are department chairs.

SUCCESS IS...

ACCESS

CULTURE

PARTNERSHIP

SUSTAINABILITY

Partner School Director

School-level administrator who is the main liaison to NMSI Program Managers. **Empowers leaders** to create a culture of advanced academics for all students. Ensures strategic plans are moved into integration and sustainment.

Knowledge Management

Communicates up-to-date information about the NMSI program within the school and community, in addition to analyzing data to inform strategic actions.

Access Advocacy

Collaborates with teachers and students to **remove barriers** to AP coursework. Intentionally invites students to take rigorous classes.

Site Coordination

Certifies that teachers and students have **access** to NMSI resources.

Matriculation Management

Establishes a group that connects middle schoolers to AP students, college students and STEM professionals who can speak to **increased opportunities** through rigorous education.

Counseling experience complements this workstream.



MILITARY FAMILIES MISSION

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 **250+** military-connected schools, supporting **100+** military installations, to achieve a **39%** 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 2018-19

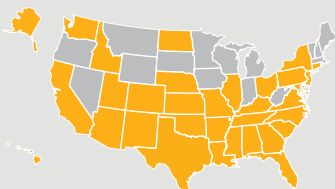


Josephine Juarez
Principal at Veterans Memorial High School, TX

"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

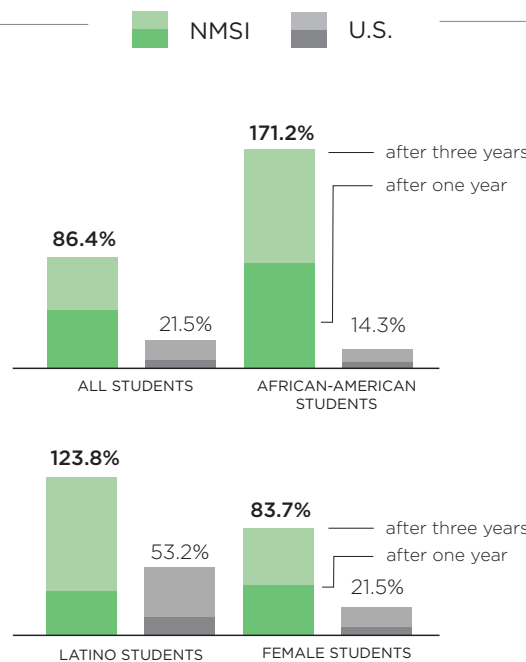
With support from our funding partners, NMSI's Military Families Mission has extended its reach to 33 states across the nation.



To learn more, visit nms.org/MFM

Increase In Mastery of College-Level Math and Science Concepts from school years 2014-15 to 2018-19

(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:



Next Steps

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

