



NMSI In the News

Summer 2010

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LETTER FROM CEO TOM LUCE

Dear Friends -

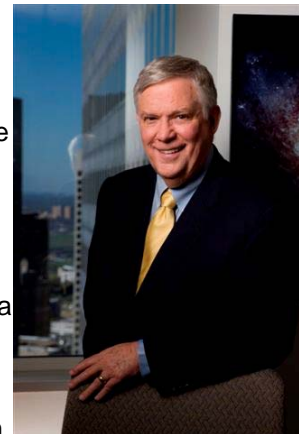
It has been a busy spring for the National Math and Science Initiative as we continue to identify private and federal partners to help further expand our successful programs across the nation.

As you will read below, we also launched a new program that will bring our highly successful Advanced Placement Training and Incentive Program (APTIP) to four high schools this fall near military bases in Texas and Kentucky. Our goal is to ensure that children of military families get every educational opportunity possible and, in particular, access to highly rigorous coursework that will give them the tools to succeed in college, in careers and in life.

But the most important focus this spring has been on teachers. The teachers who, day in and day out, share their time, energy, passion, creativity and dedication to help make a difference in the lives of young people. They are the true heroes of NMSI's programs.

Last month, we recognized 18 outstanding teachers at our inaugural All-American Teacher of the Year Awards program in Washington, DC. These individuals demonstrated that they will go above and beyond to help students master the coursework - whether staying late to work one-on-one with individual students or serving as tremendous ambassadors for APTIP.

We also held our annual UTeach conference in Austin, Tex. last month. The replication of this proven teacher preparation program is attracting and training a new, large pool of talented college students for careers in teaching math and science. In fact, a record number of students, university administrators and faculty



[AP Training and Incentive Program Grantees](#)

[UTeach Grantees](#)

[NMSI Mission](#)

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NMSI'S BOARD OF DIRECTORS

+ Tom Luce

NMSI Chief Executive Officer, former Assistant Secretary, U.S. Department of Education

+ Bruce Alberts

Former President, National Academies

+ Norm Augustine

Lead Director, NMSI, former Chairman and Chief Executive Officer, Lockheed Martin Corporation

+ Gaston Caperton

President, College Board, and former Governor of West Virginia

+ Roger A. Enrico

Chairman of DreamWorks Animation SKG, and former Chairman and Chief Executive Officer, PepsiCo

+ Nancy Grasmick

Superintendent, Maryland

representing our 21 UTeach replication sites attended this year - a testament to the strength and success of the program. Many new universities sent representatives to learn more about the UTeach program; we look forward to expanding the program to new college and university communities as we secure additional funds.

Our mission remains the same: to dramatically improve math and science education for our young people. We are focused on increasing American students' access to - and success in - advanced placement courses as well as fostering a new generation of highly qualified, inspired math and science teachers that will equip our students with the tools to succeed in these fields.

As we look toward the summer and fall, we anticipate releasing new data for both the APTIP and UTeach programs that will further confirm our commitment to replicating proven programs on a national scale continues to have a dramatic impact on U.S. public education.

We invite and encourage your continued partnership in this important work.

Sincerely,

Tom Luce
Chief Executive Officer
National Math and Science Initiative

NMSI'S FIRST ANNUAL ALL-AMERICAN TEACHER OF THE YEAR AWARDS

In May, the National Math and Science Initiative (NMSI) honored the winners of its inaugural All-American Teacher of the Year program at a special luncheon in Washington, D.C.

Recognizing outstanding math, science, and English teachers for their remarkable contributions to students and to the teaching profession, the awards were presented to teachers in each of the six states participating in NMSI's Advanced Placement Training and Incentive Program (APTIP).



Dr. Steven J. Robinson, special assistant in the Office of Elementary and Secondary Education for the White House, served as the keynote speaker.

State Department of Education

+ **Bernard Harris, Jr., MD**
President and founder, the Harris Foundation, Inc., former NASA astronaut, first African-American to walk in space

+ **Shirley Malcom, Ph.D.**
Head of education and human resources for the American Association for the Advancement of Science

+ **Sally Ride**
President and CEO, Sally Ride Science, former NASA Astronaut, first American woman in space

+ **Arthur F. Ryan**
Chairman, CEO, and President, Prudential Financial, Inc.

+ **Beverly Daniel Tatum**
President, Spelman College

+ **Roy Vagelos, MD**
Former Chairman and CEO, Merck & Co., Inc.

+ **Charles M. Vest**
President, National Academy of Engineering, President Emeritus, Massachusetts Institute of Technology

+ **Carl E. Wieman, Ph.D.**
Director of the Carl Wieman Science Education Initiative at the University of British Columbia

Dr. Steven J. Robinson, special assistant in the Office of Elementary and Secondary Education for the White House Domestic Policy Council, served as the keynote speaker. A former high school science teacher in Oregon, Dr. Robinson shared some of his personal experiences as an educator and now as a White House advisor as he commended the award winners.

"Everyone remembers a teacher who made a difference in their lives. Great teachers spark curiosity, tickle interest and launch careers," said Dr. Robinson. "You teach kids that what they have to do to be great is difficult, but it is important and possible."

[Click here to read more...](#)

UTEACH CONFERENCE DRAWS EDUCATORS FROM ACROSS U.S.

The UTeach Institute, which partners with the National Math and Science Initiative (NMSI) in replicating the UTeach teacher preparation program across the country, drew a record 410 participants to its annual conference held May 25-27, in Austin, Texas.



One of the many panel discussions held at this year's UTeach Conference in Austin.

Tracy LaQuey Parker, director of the UTeach Institute, noted that the significant increase in attendance at the conference reflects national interest in the UTeach program, which has been multiplying steadily for the last four years. "We were blown away this year by the energy and enthusiasm of attendees who are

replicating the UTeach program at their universities. Everyone is clearly excited about the progress that they are making in recruiting math and science majors into teaching careers."

Conference attendees included representatives from 21 current UTeach replication sites across nine states, as well as 17 universities interested in replicating the program on their campuses. Other attendees included donors, foundations and 49 college students currently enrolled in UTeach programs.

[Click here to read more...](#)

LOCKHEED MARTIN CORPORATION PARTNERS WITH NMSI TO HELP CHILDREN IN MILITARY FAMILIES

The National Math & Science Initiative recently announced that Lockheed



Martin Corporation has donated \$300,000 to launch the first phase of a new program, the Initiative for Military Families, which will provide Advanced Placement courses in math and science to children in military families.

The goal of this initiative is to help U.S. military families by providing consistent, high-level education in the schools serving their children, according to Tom Luce, CEO of NMSI. "We want to ensure that students from military families receive the skills they will need to succeed in today's highly competitive, highly technical world," he said.

As part of its K-12 outreach initiative, Engineers in the Classroom, Lockheed Martin is partnering with NMSI and the Military Child Education Coalition (MCEC) on the Initiative for Military Families.

"As a global security company, Lockheed Martin is committed to educating our young people in science and math. Our future success, and the future technological success of our nation, is dependent on a pipeline of highly trained, highly capable technical talent," said Dr. Ray O Johnson, Lockheed Martin Senior Vice President and Chief Technology Officer.

The Initiative for Military Families will expand and replicate NMSI's highly successful Advanced Placement Training and Incentive Program (APTIP) to public high schools that serve military families across the country. The pilot program will launch initially in four high schools this fall at Fort Campbell in Kentucky and Fort Hood in Texas. It is expected that with additional future funding, the program will eventually be expanded to more than 40 public high schools.

More than 160,000 young people in the U.S. have a parent currently deployed in active duty combat, and over one million children have had a parent deployed during the last eight years. In total, there are over two million children of active duty, National Guard, and reserve military personnel in public schools in the U.S.

PIONEERING SOUTH DAKOTA PROGRAM PRODUCES RESULTS AND GROWING ENROLLMENT

South Dakota's pioneering Learning Power Program, which is supported by



NMSI, is providing an innovative, high-tech way for South Dakota students in rural areas to benefit from Advanced Placement

courses: Students can now take the courses online.

"It's exciting to offer advanced learning opportunities to all students, but, in particular, to students in small, rural high schools where they may not have had access to these courses otherwise," said Dr. Jim Parry, Learning Power director. "It is equally significant that students may earn college credit if they score well on the AP exam," he added. In 2009, 54 percent of all AP exams taken by Learning Power students received a score of 3 or higher, enabling them to receive college credit.

Thanks to funding provided by NMSI, Learning Power makes online Advanced Placement courses in math, science and English available to all South Dakota high school students, including home-school and private-school students. The program also awards cash incentives to students who score a 3 or higher on the College Board AP exams. The South Dakota Virtual School, in collaboration with Northern State University's E-learning Center and the South Dakota Department of Education, provides these online AP courses to students.

[Click here to read more...](#)

NMSI CEO TOM LUCE APPEARS ON KERA-TV'S "THINK"

Tom Luce, NMSI's president and CEO, was interviewed by award-winning journalist and host Krys Boyd on KERA-TV's highly regarded "Think" program, for an episode that aired on April 9. Mr. Luce, a former assistant secretary of Education, discussed the math and science crisis in the United States and how NMSI is turning the tide in math and science education to keep America competitive in today's global economy.

think with krys boyd

"Think" - which has been praised by viewers as "one of the gems of public television" - is a topic-driven interview program hosted by award-winning journalist Krys Boyd covering a wide variety of topics ranging from history, politics, current events, science, technology and emerging trends.

To view a podcast of the program, [click here](#).

UTEACH HONORED AS A "BEST PRACTICE" MODEL

The Center for Excellence in Education (CEE) spotlighted UTeach as a best practice model at the launch of the new National Lab Skills Symposium in McLean, Va., on April 7. CEE addresses the challenges of laboratory instruction and learning in our nation's science, technology, engineering and math (STEM) classrooms

with the goal of developing a talented and diverse workforce.



A student in the CalTeach Program at the University of California at Berkeley.

At the inaugural symposium, six exemplary programs in laboratory education were presented as "best practices." Those programs included UTeach; the Alabama Math, Science and Technology Initiative (AMSTI); Biogen Idec Community Lab; the Museum of Science and Industry Chicago's

Institute for Quality Science Teaching; NASA Explorer Schools; and the Partnership for Research and Education in Plants.

[Click here to read more...](#)

VIRGINIA AP TEACHER SELECTED FOR TOYOTA INTERNATIONAL TEACHER PROGRAM

Nathaniel "Nat" Draper, an AP teacher in the NMSI-supported Virginia Advanced Strategies Study program, was recently selected as one of 26 teachers from among 800 teachers across the United States to participate in the [2010 Toyota International Teacher Program to Costa Rica](#). As one of 26 teachers selected to participate, Draper will travel to Costa Rica for two weeks in June.

Draper teaches AP Environmental Science at Deep Run High School in Henrico County in Virginia and has been instrumental in building up the program. In addition to producing outstanding results in the classroom, Draper leads a summer program to introduce students to environmental science and is writing an AP Environmental Science textbook.

The Toyota International Teacher Program to Costa Rica is a fully-funded professional development program for U.S. educators. It is funded by Toyota Motor Sales, U.S.A., Inc., and administered by the Institute of International Education. The Toyota International Teacher Program aims to provide international, professional-development opportunities to U.S. secondary school teachers that advance environmental stewardship and global connectedness in U.S. schools and communities.

[Click here to read more...](#)

AMERICA'S BEST HIGH SCHOOLS: "THE LIST"

NEWSWEEK has announced its rankings of "America's Best High Schools" this week and schools offering AP programs that are being replicated by the National Math and Science Initiative were not only well represented, they led the list.

The Newsweek logo is displayed in white, bold, sans-serif font against a red rectangular background.

Each year, NEWSWEEK picks the best high schools in the country based on how hard school staffs work to challenge students with Advanced Placement college-level courses and tests. Just over 1,600 schools - only six percent of all the public schools in the U.S. - made the list.

Schools that use the Advanced Placement training and incentive program that NMSI is implementing across the country were ranked the top two schools in the country: No. 1-ranked Talented and Gifted High School in Dallas and the No. 2-ranked Jefferson County International Baccalaureate School in Irondale, Ala.

What's more, three of the top four schools on the list offer the AP training and incentive program and seven of the top 70. Another 29 schools offering the AP training and incentive program were also on the list of 1,600 schools, making a total of 36 schools singled out for making the more rigorous courses available for students.

For example, eight of the 10 Arkansas schools that made the list are supported by grants from NMSI.

"We are very proud that 36 schools that have implemented the AP training and incentive program are on the NEWSWEEK list. It shows that our program is helping produce the top AP schools in the country," said Gregg Fleisher, National AP Training and Incentive Program director.

A brief description and photo of Becky Dobelstein, the AP English Language teacher at JCIB in Alabama, also is featured on the NEWSWEEK website. The link to the NEWSWEEK rankings is [here](#).

NMSI CALENDAR

July 14-18, 2010 - College Board AP National Conference, Washington, DC

July 25-29, 2010 - Sally Ride Roundtable at the Sally Ride

Academy, Washington, D.C.

September 7-10, 2010 (tentative) - APTIP Presidents Annual Meeting

October 28, 2010 - NMSI Board of Directors Meeting, Washington, D.C.

October 27-29, 2010 - College Board Forum 2010, Washington, D.C.

AP TRAINING AND INCENTIVE PROGRAM GRANTEES

Alabama

A+ College Ready

Arkansas

Arkansas Advanced Initiative for Math and Science

Connecticut

Project Opening Doors

Kentucky

AdvanceKentucky

Massachusetts

Mass Insight's Massachusetts Math and Science Initiative

Virginia

Virginia Advanced Study Strategies

UTEACH GRANTEES

Arizona

Northern Arizona University

California

University of California at Berkley

University of California at Irvine

Colorado

University of Colorado at Boulder

University of Colorado at Colorado Springs

Florida

Florida State University

University of Florida

Kansas

University of Kansas

Kentucky

Western Kentucky University

Louisiana

Louisiana State University

Ohio

Cleveland State University

Pennsylvania

Temple University

Tennessee

Middle Tennessee State University

University of Tennessee at Chattanooga

University of Tennessee at Knoxville

University of Memphis

Texas

University of Houston

University of North Texas

University of Texas at Arlington

University of Texas at Austin

University of Texas at Dallas

University of Texas at Tyler

NMSI MISSION

To advance math and science education in the United States by expanding programs with proven results on a national scale in order to have a positive impact on America's 50-million-student public school system.

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