

investing in STEM education

science, technology,
engineering
& mathematics



ExxonMobil

Taking on the world's toughest energy challenges.™

“Continuing to make focused and aggressive improvements in both the way the subjects are taught and learned will make a vital impact in retaining the nation’s economic competitiveness.”

Rex W. Tillerson, Chairman and CEO of ExxonMobil

ExxonMobil’s involvement

ExxonMobil utilizes technology and innovation in every element of its business and recognizes the essential roles that math and science play in the energy business and in the nation as a whole. As a technology based company, we are a leader in the national effort to improve math and science education.

ExxonMobil is committed to advancing U.S. math and science education and does so by supporting a variety of educational initiatives targeting students and teachers. Much of our outreach focuses on recommendations outlined in the National Academies report:

- Motivating students to learn and perform well in math and science courses;
- Providing math and science teachers with professional development opportunities; and
- Supporting the development of highly qualified math and science teachers.



“The overwhelming response to our summer camps underscores the need for youth education programs in the community. We are committed to enhancing American students’ skills in math, science and engineering, enabling them to fulfill their dreams.”

Former NASA Astronaut Bernard Harris

the need to improve math and science education

Excellence in U.S. math and science education has a direct correlation to the United States’ ability to successfully compete, prosper and remain secure in the global community of the 21st century.

In 2005, the National Academies released a landmark report, *Rising Above the Gathering Storm*, which stated “the scientific and technical building blocks of America’s economic leadership are eroding.” According to the report, improving American students’ performance in math and science coursework is the most effective way to increase the United States’ global competitiveness.



ExxonMobil supports...

“The National Academies set forth a clear path for the nation to improve math and science education for our country’s youth, and it is now time for us to act. NMSI will implement two proven programs across the nation to develop the next generation of innovators.”

Tom Luce, CEO of the National Math and Science Initiative (NMSI)

National Math and Science Initiative (NMSI)

Led by a board of eminent leaders, this nonprofit raises funds to facilitate the national scale-up of programs that have demonstrated improvement in U.S. math and science education. ExxonMobil has committed \$125 million in support of this initiative.

Primary goals of NMSI include:

- Develop a new generation of highly qualified math and science teachers by replicating the acclaimed UTeach program across the United States. UTeach attracts math and science majors to teaching by offering an integrated degree plan, early teaching experiences and financial assistance for undergraduates.
- Elevate student achievement by expanding AP® and pre-AP® courses, including extensive training of teachers, identifying and developing “lead” teachers, and financial incentives based on academic results.

Mickelson ExxonMobil Teachers Academy

This joint initiative between ExxonMobil and professional golfer Phil Mickelson trains third through fifth grade teachers on innovative teaching methods and “hands-on” applications of math and science.

ExxonMobil Bernard Harris Summer Science Camps

ExxonMobil partners with the Foundation established by former astronaut Dr. Bernard Harris to offer twenty two-week summer camps at universities across the country. The camps enhance middle school students’ knowledge of science, technology, engineering and mathematics (STEM), encourage youth to stay in school, and foster leadership and citizenship.

New Orleans Education Initiative

ExxonMobil committed \$10 million to Greater New Orleans-area public schools to restore and enhance math and science education. The initiative will recruit teachers, boost professional development and support science magnet schools. The planned Xavier Teacher Institute will provide ongoing professional development for Greater New Orleans-area teachers.

Reasoning Mind

Reasoning Mind is an innovative, Web-based math education program using sophisticated artificial intelligence, interactive graphics and a world-class curriculum to actively engage middle school students in math. ExxonMobil funds development costs and implementation of the program in schools and nonprofit organizations.



“ExxonMobil is making a powerful strategic investment on behalf of America’s future.”

Dr. Larry Faulkner, Chair of the National Math Panel

ExxonMobil Educational Matching Gift Program

Initiated in 1962, the ExxonMobil Foundation’s Educational Matching Gift program matches gifts to higher education on a 3-to-1 basis and has provided more than \$347 million to higher education in the United States. ExxonMobil encourages college and university presidents to allocate a portion of the generous unrestricted matching gift grants to math and science initiatives.

Diversity Initiatives

ExxonMobil has a long history of supporting programs that seek to improve education and career opportunities for minorities and women, particularly within the STEM fields. Programs include:

- Society of Women Engineers
- Hispanic Heritage Youth Awards
- National Society of Black Engineers
- American Indian College Fund
- National Action Council for Minorities in Engineering



For more information on ExxonMobil and our STEM Education Initiatives,
please visit our website at www.exxonmobil.com.

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