K-12 Education

Texas Instruments

About TI's and the TI Foundation's support of education:

K-12 to university

In the past five years alone, TI and the TI Foundation have invested more than $150 million to support education. Higher education received about 80% of these funds, with approximately 70% focused on research. TI's support extends beyond funding but also leverages our employees as volunteers. In 2010, TI employees invested volunteer hours, as well as personal funds totaling $900,000 that was matched by the TI Foundation. These combined investments drive the long-term innovation required to create new, life-changing technologies. By educating students and equipping educators, TI is enabling their use of the latest technology and bringing their innovations to reality.

TI is building an ecosystem of innovation through support of STEM education because

- The future depends on it
- Math and science skills are critical to innovating and competing globally
- Educators need resources to teach and students to learn
- We need a well-educated technical workforce

TI is building an ecosystem of innovation by supporting student achievement, teacher effectiveness, and diversity, in science, technology, engineering and math (STEM).

Power of STEM Education

Texas Instruments' $1 million Power of STEM Education initiative aims to increase teaching effectiveness and build student interest in math and science. Funded through the TI Community Fund, grant recipients include educational institutions and nonprofits in California and Maine in the United States; Greenock, Scotland and Melaka, Malaysia -- communities where National Semiconductor, recently acquired by TI, operated and where TI now has a major presence. Initial grant recipients were selected based on their impact on STEM education in the local communities. The first $225,000 will be distributed in 2011. The remaining $775,000 will be distributed over the next three years.

TI is also continuing the work and investments of the former National Semiconductor Foundation, now the TI Community Fund. In August 2011, $1.2 million was announced for multi-year Power of Education grants.

Student Achievement

TI focuses on piquing student interest and building excitement for technology-related degrees and careers. We support effective programs and collaborate with organizations to impact the most students.

Advanced Placement Incentive Program (APIP)

The APIP is a national model for the National Math and Science Initiative and encourages students to take more rigorous, college-level coursework in high school. The TI Foundation funds incentives for both teachers and students in the Dallas Independent School District (Dallas ISD) and in 2010, they posted the largest annual increase in qualifying math, science and English scores (up 16 percent) over 2009 Since the program began in 1996, there has been almost 1000% increase in the number of students passing the exams. The TI Foundation gave a three-year $1.5 million grant to help expand the program to all 32 Dallas high schools and helped the district pass a milestone of 10,000 student participants. A new $1.9 million grant will extend the program to the Mesquite ISD, a suburban district, for the first time in 2011.

Robotics competitions

Texas BEST (Boosting Engineering, Science and Technology) was founded 18 years ago by two TI employees. To date, TI has invested $530,000 in Texas BEST and reached about 100,000 students. TI is one of 12 crown suppliers who contribute more than $500,000 in donated goods and services annually to FIRST® (For Inspiration and Recognition of Science and Technology) robotics competition, reaching more than 45,000 students worldwide.

TI-Math Forward™

TI-Math Forward has grown to help thousands of middle and high school students nationwide build confidence and achievement in math. Created in 2005 and launched at a junior high in the Richardson Independent School District, today it has grown to more than 40 schools across eight states to help thousands of middle and high school students. The program combines instruction, professional development, curriculum integration and classroom technology.

Visioneering

TI sponsors this unique, one-day event at Southern Methodist University (SMU) during National Engineers Week, which brings together middle school students and teachers, working engineers and innovators to explore the ways engineering makes a difference in the world around us. Since 2001, approximately 9,000 students, teachers, mentors and industry volunteers have participated. More than 1,110 students, teachers and volunteers attended Visioneering in 2010.

Other TI Support in the U.S.:

- Change the Equation (CTEq), a national network to support effective, replicable STEM programs that can drive systemic change
- Girls Scouts of Northeast Texas support for development of STEM curriculum
- National Archives Experience DocsTeach to train teachers on using the Archives' documents in the classroom to engage students not only in history and civics lessons but also in using technology.
- Dallas Museum of Nature & Science and Sci-Tech Discovery Center:
  - Bring hands-on math and science to students and families.
  - $4.4 million from the TI Foundation for a TI Engineering and Innovation Hall in the new Perot Museum of Nature & Science.

Online TI resources:

PursueEngineering.com offers high school students and teachers information about engineering pathways and the importance of math and science.

Careers.TI.com provides college studentscareer information and student testimonials about the types of degrees needed to pursue engineering as a career.

Visit **ti.com/education** for a complete inventory of our education support.

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Teacher effectiveness

Increasing the number of math- and science-capable students equipped to succeed in STEM disciplines and careers begins with prepared teachers.

Innovations in STEM Teaching Awards

The TI Foundation has invested $500,000 since 2006, to back effective teaching and help retain excellent teachers in Dallas, Plano and Richardson ISDs. The Innovations in STEM Teaching Awards recognize 10 instructors annually at the secondary level who enhance student achievement and increase interest in high school classrooms. Each principal-nominated honoree receives a $10,000 award ($5,000 cash and $5,000 for education technology and/or professional development).

Laying the Foundation (LTF)

Through the TI Foundation's $1.5 million multiyear grant to LTF, 159 teachers were trained in 2010 in the Dallas, Garland and Richardson (Texas) school districts. The training is designed to improve strategies for teaching pre-AP-level coursework and ensuring students are prepared for the rigor of AP courses.

Teach For America

The TI Foundation granted $750,000 to Teach For America from 2010-2012, to expand educational opportunities in math and science in North Texas public schools. The program recruits, trains and supports top college graduates who commit to teach for two years in underserved public schools and become lifelong leaders in the movement for educational equity. With TI's support, 11 new math and science teachers impacted more than 1,000 students each school day in 2010.

Teachers Teaching with Technology (T^3)

TI's Education Technology business sponsors the T^3 program which includes both face-to-face and online professional development institutes. Each year, TI convenes a conference that brings math and science educators, who share best practices and how to integrate technology into the classroom to increase student achievement. Since 1986, T^3 has reached more than 100,000 teachers worldwide.

UTeach

The TI Foundation awarded $1.5 million for existing UTeach programs at the University of North Texas, the University of Texas at Dallas and the University of Texas at Arlington in 2010, to continue preparing college undergraduates to become secondary math and science teachers. In 2010, 192 students enrolled in the program and nearly 250 are expected to begin in 2011. At UT Dallas the number of students seeking math and science certification has increased 200%.

Ethnic and gender equity

TI supports educational opportunities for underrepresented women and minorities to foster success in engineering and science. The primary programs we supported in 2010 include:

National Society of Black Engineers (NSBE)

In addition to providing nearly $450,000 to NSBE over the past seven years, TI has supported tutorial programs, group study sessions, junior high/high school outreach programs, technical seminars and workshops, and professional chapters. We also have contributed to the NSBE national magazine and participated in NSBE national and regional conventions for more than 20 years.

Texas Prefreshman Engineering Program (TexPREP)

The TI Foundation completed a three-year $310,000 grant to the Dallas-based (TexPREP) which identifies achieving middle and high school students (>80% under-represented minorities) with an interest in STEM and strengthens their potential for related careers and engages them in summer learning programs. To date, 99% graduate from high school, 99% attend college and 84% graduate from college.

High-Tech High Heels

A decade ago, a group of TI women pooled their personal contributions to create the Women of TI Fund to increase the number of girls pursuing STEM degree programs. The group developed programs to deliver gender equity teacher training, counselor workshops to dispel STEM stereotypes, summer physics camps to grow girls' confidence and increase enrollment in Advanced Placement (AP) courses and AP test passage rates. The National Alliance for Partnerships in Equity Education Foundation (NAPE-EF) received a $413,000 grant in 2011 from the TI Foundation to manage and expand the impact of the program.