Education @ TI

TI is passionate about educating future innovators, the next generation who will help shape the world through technological advancements. We invest time, money and people power to advance both student interest in and teacher development of science, technology, engineering and math (STEM) programs.

Through our strategic investments, long-term relationships with educators and their organizations, and partnerships in our local communities, we are helping develop and support proven, successful education programs that can be scaled and replicated. Recognizing that solutions take more than money, we inspire our employees to get directly involved in education as contributors, volunteers, mentors, tutors and advocates.

TI's commitment to education dates back to the company's inception and remains its highest philanthropic priority. Over the past five years, TI has contributed more than $150 million to education. Higher education has received more than 80 percent of this investment, with approximately 70 percent of that funding focused on research. In addition, employee volunteer hours, equipment donations and in-kind contributions significantly extend the impact of this commitment.

In 2012, TI and its philanthropic arms granted more than $22 million to support education in pre-K through 12 and university programs. This helped students improve their interest in and understanding of STEM subjects, and also supported professional development and training programs for teachers.

Student achievement

In the U.S., TI works to grow students' interest in STEM and encourage their pursuit of technology-related degrees and careers. We support numerous programs that we believe benefit the most students or have a track record of shifting student attitudes and achievements in STEM disciplines. We collaborate with established organizations that can effect greater progress. Some of our primary initiatives include:

AP Incentive Program

The **Advanced Placement (AP) Incentive Program** encourages students to take more rigorous, college-level coursework in high school. More than 42,000 students and teachers in the AP Incentive Program in three North Texas school districts have benefited from monetary incentives through TI Foundation support that help prepare students for college and career success.

TI MathForward™

Started in 2005 in Richardson, Texas, TI **MathForward** combines instruction, professional development, curriculum integration and classroom technology to help middle and high school students build confidence and achievement in math. Implemented in more than 58 school districts and organizations across 16 states, this program has grown to help thousands of middle and high school students.

TI Power of STEM

The TI Community Fund awarded $1 million in **Power of STEM Education** grants to increase teacher effectiveness and build student interest in STEM in California, Maine, Scotland and Malaysia.

Educate Texas

In 2012, the TI Foundation committed to giving as much as $4.8 million over the next four years to **Educate Texas**, a public/private initiative of the Communities Foundation of Texas, to improve STEM education throughout the Lancaster Independent School District. Educate Texas is creating a "STEM

Our primary education objectives are to:

- **Improve student achievement in STEM** by investing in proven programs, collaborating with others to meet or exceed community education milestones, and building a pipeline of STEM-capable students, particularly in the U.S.

- **Prepare more math and science educators** to teach STEM subjects effectively.

- **Advocate at the local, state and national levels** for legislation that improves STEM education, assessment and accountability, and that promotes innovative education practices.

- **Expand educational opportunities for underrepresented women and minorities** and attract more to engineering.

- **Support university research and students** to advance innovation and nurture the best talent.

- Provide and **encourage the use of our Education Technology and DLP® products** that help teachers teach and students learn.

- **Improve access to education in other countries** where we operate.

district" model that uses proven best practices to transform the way STEM subjects are taught by nearly 400 teachers and learned by more than 6,200 students.

Plano ISD Academy High School

TI committed $5 million in 2012 to the new **Plano Independent School District (PISD) Academy High School**, which will open in August 2013. The school combines a STEM curriculum with digital arts to help prepare a future workforce for technology

and design companies in North Texas and around the globe. TI is also engaging on curriculum, teacher training, product integration (Education Technology and providing DLP® 3-D-ready projectors) and volunteers to mentor students.

Robotics competitions
Robotics competitions have been shown to be effective in helping students see and apply engineering skills and get excited about the field, which leads them to consider related careers. We primarily support three robotics competitions:

- Boosting Engineering, Science and Technology (**BEST**): Founded by TI employees in 1993, BEST now reaches more than 16,500 students across 17 states. TI's sponsorship helps reach 11,000 students annually in the Texas/New Mexico region.

- For Inspiration and Recognition of Science and Technology (**FIRST**): This multinational contest brings teams of professionals and high school students together to solve an engineering design problem. A sponsor since 2008, TI has donated microcontrollers and other devices that come in a robotics kit for their designs. Several employees donate 150 to 200 hours annually to mentor participants.

- VEX Robotics: Manufactured by IFI (Innovation First International), **VEX Robotics** is one of the largest and fastest growing middle and high school robotics program globally with more than 6,000-7,000 teams and about 100,000 participants in more than 300 tournaments worldwide. Additionally, VEX is a hardware supplier for BEST and FIRST organizations.

Teacher development
TI recognizes that to increase the number of math- and science-capable students equipped to enter into and graduate from STEM-based disciplines, we must invest in the development and certification of teachers. Key programs that we supported in 2012 include:

High Tech High Heels
The **High Tech High Heels** (HTHH) fund, established with TI employee contributions, has been effectively preparing girls to pursue STEM degrees since 2003, working with both educators and students in North Texas. TI corporate and TI Foundation grants over the past 10 years have helped three programs originated by HTHH – equity training for educators, STEM career workshops for counselors and Physics Camps for high school girls – reach 750 girls, more than 350 educators and almost 700 counselors. The pass rate for girls taking the AP Physics test who have attended the Physics Camp is about 15 percentage points higher than for girls who have not attended camp, and 92 percent of participants expressed interest in a STEM career at the camp's completion.

Teach for America
Teach for America recruits, trains and supports top college graduates who commit to teach for two years in underserved public schools. In 2012, the TI Foundation gave $750,000 for the program to benefit schools in North Texas.

Teachers Teaching with Technology
TI's Education Technology business unit sponsors the **Teachers Teaching with Technology** (T3) program that has reached more than 100,000 teachers worldwide in 26 countries since 1986 with face-to-face and online professional development for educators.

UTeach
UTeach started at the University of Texas (UT) at Austin in 1997 as a way to prepare more secondary teachers in STEM fields. Since 2009, the TI Foundation has invested $2.95 million to expand UTeach programs at the University of North Texas and UT Dallas, as well as through the National Math and Science Initiative for a new UTeach program at the UT at Arlington.

STEM teacher recognition programs
We recognize and reward teachers and schools that make significant advancements in STEM education.

- Since 2007, the TI Foundation's **Innovations in STEM Teaching Awards** have honored more than 60 outstanding STEM middle and high school teachers in four North Texas districts.

- TI supports the California Department of Education's **California Teacher of the Year program,** which recognizes 15 exemplary teachers who symbolize the profession's contributions to quality education.

- **I Rock Math**, a United Way of Metropolitan Dallas initiative supported by the TI Foundation, helps teachers implement innovative teaching practices designed to strengthen pre-algebra skills in sixth and seventh grade students in North Texas.

Technology
Our approach to developing education technology and services for math and science has allowed TI to become one of the most widely recognized and adopted educational equipment brands used by teachers and students. Educators are involved in every aspect of product development, connecting students' learning experiences to the real world and opening career paths rooted in math and science.

- Research-based TI graphing technology integrates multimedia content into math and science curricula, improving student performance and empowering educators to maximize the impact of their lessons.

- TI's **Math Nspired Resource Center for Educators** features lessons and tools to increase student comprehension of key math concepts through the power of TI-Nspire™ technology. **Science Nspired** provides lessons and tools to support biology, chemistry and physics curricula.

- The **Activities Exchange** contains thousands of math and science resources submitted by students, teachers, TI and other global partners. These activities align with select standards and textbooks.

- Online professional development programs reach more than 5,000 educators annually, and equip them with tools and resources to bring math and science to life in the classroom.

Global education support
Throughout the world in regions where we operate, we invest in education programming that prepares students to innovate. For more information about TI's support of education around the world, please see our Corporate Citizenship Report at **www.ti.com/education/**.

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