AT&T

aspire

AT&T Science, Technology Engineering & Math (STEM) Support

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AT&T and AT&T Aspire have given more than $103 million to support STEM initiatives since 1987. Projects supported by AT&T contributions range from after-school programs and camps for students at risk of dropping out to hands-on technology labs and elite robotics competitions.

In addition to its overall funding of innovative STEM programs, AT&T remains focused on building a viable, creative and adaptive workforce that is prepared to face the changing needs of employers and customers. AT&T Aspire is AT&T's signature education initiative that drives innovation in education by bringing diverse resources to bear on the issue including funding, technology, employee volunteerism, and mentoring.

Why STEM?

- The tech industry needs a capable and diverse pipeline of employees to fuel 21st century jobs. At AT&T, almost ¾ of recent student hires – including interns – begin their career in a technology centric area. Today, the need for qualified employees is outpacing their availability.

- Many high-paying STEM jobs go unfilled as candidates lack necessary technical skills, training or post-secondary degrees.

- STEM workers typically earn **26 percent** more than those in non-STEM positions.

- STEM is a prominent focus and education policy priority of the public and private sector.

Examples of STEM programs supported by AT&T include:

Udacity nanodegree

AT&T is collaborating with Udacity on a fresh new category of on-line degrees – nanodegrees – to provide efficient, affordable and accessible training for high demand jobs in the tech industry. The nanodegree will launch in fall 2014 in the Massive Online Open Course (MOOC) format with courses in entry-level software skills such as web and mobile app development.

Udacity & Georgia Tech

AT&T is collaborating with Georgia Tech and Udacity Inc. to offer an online Master of Science degree in computer science. The degree can be earned completely through the massive open online course (MOOC) format, and is supported by a $2 million AT&T contribution to Georgia Tech.

Girls Who Code

In 2013, AT&T provided more than $50,000 to support an eight-week, comprehensive summer immersion program at a New York AT&T office that introduced underserved high school girls to careers in computer science and technology. Funding from

AT&T also supports the Girls Who Code Clubs, an after school program that introduces 350 high school girls to the computer science field.

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING (NACME)

AT&T supports an integrated, national strategy of engineering education for minority students through high school

pre-engineering and college scholarship activities.

Girl Scouts of the USA

Following a previous $1 million contribution, AT&T awarded a $625,000 contribution to Girl Scouts of the USA to support the second phase of their "IMAGINE Your STEM Future" program. The program will provide opportunities for 800 girls who are at-risk of dropping out to experience hands-on STEM learning activities.

National Education Association (NEA)

AT&T has contributed to NEA's supporting the broadening of students understanding and engagement in STEM fields of study through two experiential STEM curriculums.

Fund for Public Schools, Inc.

AT&T's provided over $800,000 to support a range of programming for students in the computer science and software engineering curriculum in New York City Public High Schools with the goal of preparing under-served students for college and career success in emerging high-tech fields.

University of Texas at Arlington

AT&T contributes to programs at UTeach Arlington, which improves the quality of secondary science and math education through a collaborative effort among university science and education departments and local school districts.

Columbus State University Foundation

AT&T contributes to programs at Columbus

State University's UTeach program, an innovative teacher prep program for developing highly qualified secondary math and science teachers. Funds also support the STEM Honors Camp for high school students in grades 11 and 12 to encourage interest in STEM careers.

We Teach Science

As part of Aspire Mentoring Academy, AT&T contributes to an online tutoring and mentoring program that uses the internet to allow AT&T employees to provide students at-risk of dropping out of high school structured mentoring sessions focused on STEM disciplines.

Boys & Girls Clubs of America

Also through Aspire Mentoring Academy, Boys & Girls Clubs of America is working with AT&T to bring students through CISCO training to certify them for the skills they need to enter the IT field.

Young Science Achievers

AT&T and AT&T Labs scientists support a program that is designed to inspire and encourage high school students to pursue studies and careers in the fields of science, technology, engineering and math. Professional scientists from AT&T and other companies provide resources, technical support and mentoring to assist students in exploring the STEM disciplines.

US Foundation for the Inspiration and Recognition of Science and Technology (FIRST)

AT&T supports the FIRST Robotics Competition, which provides high school students with the opportunity to work alongside engineers and other professional mentors to design, build, program and compete in championship tournaments with sophisticated robots.

Curriki

An AT&T contribution supports the creation of a web-based and mobilized geometry curriculum based on Common Core State Standards for users of curriki.com and educators.

Knowledge Is Power Program (KIPP) Delta Public Schools

AT&T supports the KIPP Through College program, which included a STEM cooperative learning program and financial incentive stipends for 90 students most at risk of not completing high school.

National 4-H Council

AT&T helps 4-H Tech Wizards, an afterschool STEM focused mentoring program, serve 150 students at risk of dropping out in Florida, Illinois and Ohio. The goal of the program is to teach basic life skills and to develop and enhance student interest in STEM curricula and STEM careers through the use of Arduino and other emerging technologies.

Lehigh and Carnegie Mellon Universities

AT&T supports the Pennsylvania Governor's School for Engineering and Technology at (PGSE&T) at Lehigh University in Bethlehem, Pa and the Pennsylvania Governor's School for the Sciences (PGSS) at Carnegie Mellon University in Pittsburgh to help launch summer residential program that introduces high school students from across Pennsylvania to STEM careers.