



# News Fact Sheet

## Intel® Education Initiative: Empowering Tomorrow's Innovators

In our increasingly global economy, Intel Corporation recognizes that curiosity, critical thinking and a strong foundation in math and science are necessary for tomorrow's workforce to compete for the high-tech jobs of the 21st century. In fact, by 2020, it's estimated that the U.S. alone will need millions of new jobs in science and engineering.<sup>1</sup>

That is why Intel gets directly involved in education programs, political advocacy and technology access efforts that enable today's youth to develop skills they need to be the innovators of tomorrow. Over the past decade alone, Intel and the Intel Foundation have invested more than \$1 billion and Intel employees have donated close to 3 million volunteer hours toward improving education in more than 60 countries.



### **Recognizing Excellence in Math & Science**

Intel annually sponsors the [Intel Science Talent Search](#) and the [Intel International Science and Engineering Fair](#), which are both programs of the nonprofit [Society for Science & the Public \(SSP\)](#), to encourage bright, young innovators and challenge youth to engage in math and science. In 2008, the Intel Foundation committed \$120 million over 10 years to continue its sponsorship of these premier science and math competitions.

- **Intel Science Talent Search**

As the country's oldest and most prestigious pre-college science competition, the Intel Science Talent Search identifies the nation's most promising future scientists and celebrates the best and brightest young minds. In the competition, high school seniors are judged on their original scientific research projects as well as a broader measure of their achievement and leadership, both inside and outside the classroom. Intel has sponsored the competition since 1998. From March 7-12, 2013, 40 finalists competed for \$630,000 in awards. [The top winner](#) received \$100,000 from the Intel Foundation.

- **Intel International Science and Engineering Fair**

Since 1997, Intel has sponsored this competition, the world's largest pre-college science fair. Each year, the Intel International Science and Engineering Fair encourages roughly 6 million of the world's future scientists, innovators and leaders to explore their curiosity of how the

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<sup>1</sup> Source: U.S. Bureau of Labor Statistics

world works and develop solutions for global challenges. The location of the Intel International Science and Engineering Fair is currently in the middle of a nine-year cycle rotation between Los Angeles, Pittsburgh and Phoenix. In 2013, approximately 1,600 young scientists representing 433 affiliate science fairs and more than 70 countries, regions and territories will gather in Phoenix from May 12-17 to compete for more than \$4 million in awards. The first-place winner will receive the Gordon E. Moore Award, named in honor of the Intel co-founder and fellow scientist, of \$75,000.

Intel also funds programs that reward excellence in math and science at the teacher and school levels.

- **Society for Science & the Public Fellows Program**

Through a grant from Intel, the [SSP Fellows Program](#) provides funds and training to selected American science and math teachers with unique plans to reach students in underserved communities and inspire excellence in independent scientific research.

### **Supporting Teachers**

Intel believes that good teachers are imperative to developing the next generation of innovators. In fact, in 2010, in support of President Barack Obama's call to elevate math and science education as a national priority, Intel [committed](#) more than \$200 million over the next 10 years to teacher training and reaching more youth through its science competitions.

- **Intel Teach**

The [Intel Teach](#) program, which has trained more than 10 million teachers in more than 70 countries, offers professional development for K-12 teachers of all subjects, helping them integrate technology into their lessons and promote students' problem-solving, critical thinking, and collaboration skills. Intel Teach is the largest and most successful program of its kind. According to Intel's estimates, more than 300 million students have been prepared to learn, lead and succeed by teachers trained in this program.

- **Intel Math**

[Intel Math](#) is an 80-hour course for K-8 math teachers, particularly non-math majors teaching the subject, which helps participants deepen their own understanding through problem-solving, in turn enabling students to excel in and enjoy math. Since the program's inception in 2007, Intel Math has trained more than 4,000 teachers in 11 states.

### **Encouraging Interest**

Intel employees are firmly committed to helping students who have a passion and keen interest in engineering by providing valuable resources and mentorship programs to assist youth in attaining their goals.

- **FIRST Robotics Programs**

Intel employees donate their time and expertise to [FIRST Robotics programs](#), helping to motivate young people to pursue opportunities in science, technology and engineering.

### **Bridging Achievement Gaps**

Intel works in communities around the world to help young people acquire the skills necessary for personal and professional success in the 21<sup>st</sup> century.

- **Intel Computer Clubhouse Network**

The [Intel Computer Clubhouse Network](#) offers an after-school, community-based learning program that allows young people from underserved communities to explore ideas, develop skills and build self-confidence through the use of technology. In 2000, Intel stepped up to sponsor the Computer Clubhouse Network and quickly grew the program to reach more than 25,000 youths through 100 Clubhouses in 20 countries. The Intel Computer Clubhouse Network is a program of the Museum of Science, Boston, with support from the MIT Media Lab.

- **Intel Learn Program**

Delivered in informal education settings, the [Intel Learn Program](#) provides opportunities for young learners in developing countries to learn key skills needed for tomorrow's success, focusing on technology literacy, problem solving and collaboration. To date, Intel Learn has helped more than 1 million learners in 13 countries develop skills for success.

### **College to Career**

While Intel's education initiative is primarily targeted at K-12 education, Intel has substantial programs and commissioned studies designed to encourage research at the university level, inspire entrepreneurship and enable the next generation of workers to be positive contributors to the economy.

- **Intel's "Survey of Teens' Perceptions of Engineering as a Career"**

In 2011, to better understand how to get more American youth interested in engineering as a career, Intel, in collaboration with the nonprofit Change the Equation, commissioned [a study](#) of 1,000 American teens (ages 13-18). The survey found that although teens hold generally positive opinions of engineers, a lack of familiarity with the profession is a significant barrier in getting teens to pursue engineering as a career. However, exposure to any facts about engineering, including what engineers actually do and specifically how much money they earn, leads more than half of teens to say they are more likely to consider engineering as a career.

- **Intel Higher Education Program**

The [Intel Higher Education Program](#) is a collaborative worldwide effort – working with more than 150 universities and governments in 34 countries – that brings cutting-edge technology expertise to universities and helps move that technology from labs to local communities.

- **The Intel Global Challenge at UC Berkeley**

Founded in 2005, the [Intel Global Challenge](#) provides graduate-level engineers and scientists with the opportunity to present their groundbreaking business plans to make the world a better place through innovation. Participants vie for \$100,000 in prizes and direct visibility and interaction with more than 20 leading venture capital firms. In 2012, the competition drew 25 teams from 16 countries. These finalist teams were selected from more than 150,000 students from more than 50 countries who competed in 14 affiliate competitions.

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