



# News Fact Sheet

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

Intel believes that a strong foundation in math and science empowers today's youth to create new technologies and solutions that will positively impact people's lives. This foundation in turn creates the critical talent corporations and startups need to drive their business and contribute to economic development. In fact, by 2020, it's estimated that the United States 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 our future innovators. Over the past decade alone, Intel and the Intel Foundation have invested more than \$1 billion and Intel employees have donated close to 4 million volunteer hours toward improving education in more than 70 countries.



### **Recognizing Excellence in Math and 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 6-12, 40 finalists will compete for \$630,000 in awards. [The top winner](#) will receive \$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

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

of the world's future scientists, innovators and leaders to explore their curiosity of how the 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. From May 11-16, approximately 1,600 young scientists representing more than 400 affiliate science fairs and roughly 70 countries, regions and territories will gather in Los Angeles to compete for more than \$4 million in awards. The first-place winner will receive the \$75,000 Gordon E. Moore Award, named in honor of the Intel co-founder and fellow scientist.

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. Intel's education programs focused on supporting teachers include:

- **Intel Teach**

The [Intel Teach](#) program, which has trained more than 10 million teachers in more than 70 countries, offers professional development for grades 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 grades 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.

### **Technology in the Classroom**

Intel's education efforts also focus on improving teaching and learning through the effective use of technology in the classroom.

- **Intel Education Solutions**

Based on a decade of real-world collaboration, implementation and research, [Intel Education Solutions](#) are designed to help educators inspire students, to support schools in achieving educational excellence and to enable better manageability by administrators. Intel delivers holistic technology solutions, including hardware, software, content, infrastructure and professional development, to help educators engage students in learning and to enhance student achievement.

### **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 began sponsoring the Computer Clubhouse Network and quickly grew the program to reach more than 25,000 youths in more than 100 Clubhouses spanning 20 countries. The Intel Computer Clubhouse Network is a program of the Museum of Science, Boston, with support from the MIT Media Lab. This year, Intel will introduce maker activities across the Computer Clubhouse network.

- **Intel Learn**

Delivered in informal education settings, [Intel Learn](#) 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 grades K-12 education, Intel has substantial programs 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 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.

- **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 2013, the competition drew 28 teams from more than 20 countries and regions.

- **STAY WITH IT**

[STAY WITH IT](#) is an online community of more than 30,000 participants that share resources to support and motivate first and second year engineering students to stay with engineering and graduate. The initiative was born out of the President's Council on Jobs and Competitiveness in 2012 and is designed to address the staggering shortage of engineers in the United States.

## **Connected Computing**

- **Intel ‘Make It Wearable’ challenge**

In January, Intel CEO Brian Krzanich announced the Intel ‘[Make It Wearable](#)’ challenge to encourage innovation with wearable technology and help create new connected experiences. The challenge will be awarding more than \$1.3 million cash awards to winners and will also be connecting contenders with industry luminaries to help realize their ideas.

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