



News Fact Sheet

Intel® Education Initiative: Empowering Tomorrow's Innovators

In our increasingly global economy, Intel 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 future. In fact, growth in math-intensive science and engineering jobs outpace overall job growth by three to one.¹

That is why Intel gets directly involved in education programs, political advocacy, and technology access efforts that enable today's young people to develop the 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 International Science and Engineering Fair](#) and the [Intel Science Talent Search](#), which are both programs of the non-profit [Society for Science & the Public \(SSP\)](#), to highlight bright young innovators and challenge other youth to engage in math and science. In October 2008, the Intel Foundation committed \$120 million over 10 years to continue its sponsorship of these premier science and math competitions.

- **Intel International Science and Engineering Fair**
Since 1997, Intel has sponsored this competition, the world's largest pre-college science fair. In 2010, 1,611 finalists – young scientists from 59 countries, regions and territories representing more than 1,200 projects – competed in San Jose, Calif. for nearly \$4 million in awards.
- **Intel Science Talent Search**
America's oldest and most prestigious pre-college science competition, the Intel Science Talent Search provides a national stage for 40 of America's best and brightest high school seniors to present original research to nationally recognized professional scientists. A \$100,000 scholarship awaits the winner of the competition, which Intel has sponsored since 1998.

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

- **Intel Schools of Distinction**

¹ Source: National Science Board cited in U.S. Department of Education. (2008). The Final Report of the National Mathematics Advisory Panel. Washington, DC: Author. (p. xii)

The [Intel Schools of Distinction Awards](#) honor U.S. schools that have demonstrated 21st century teaching and learning environments that promote excellence in math and science and, serve as models for schools across the country. By replicating proven programs such as these, schools everywhere can reinvigorate their own science and math programs, inspiring generations of future innovators.

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

Through a generous grant from Intel, the [Society for Science & the Public Fellows Program](#) provides funds and training to selected U.S. 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 January 2010, in support of President 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 9 million teachers in more than 60 countries, including more than 400,000 in the U.S., 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. In June 2010, Intel President and CEO Paul Otellini accepted the Committee Encouraging Corporate Philanthropy (CECP) [Chairman's Award](#), which recognized Intel Teach as an excellent corporate philanthropy program.

- **Intel Math**

[Intel Math](#) is an eighty-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.

- **Assessment & Teaching of 21st Century Skills**

In January 2009, Intel, Cisco and Microsoft [announced](#) a collaboration to underwrite a multi-sector research project, [ATC21S](#), to develop new approaches and methods for teaching and assessing the skills students need for the 21st century and beyond with an emphasis on communication and collaboration, problem solving, citizenship and digital fluency.

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 21st-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 youth through 100 Clubhouses in 20 countries.

- **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 one million learners in 13 countries develop skills for success.

Transforming the Lives of Women and Girls

Intel believes that enabling women and girls with education and entrepreneurial skills is an important part of fostering innovation and driving economic growth. That is why Intel is actively engaged in programs that provide women and girls with access to technology, scholarships and grants in technical fields, entrepreneurial opportunities, and development opportunities in the workplace. Based on its experiences, Intel has identified four ways to improve the lives of women and girls.

- **Educate the Teachers First**

A [study](#) from the University of Chicago is the latest research to indicate that female elementary school teachers who are anxious about math may undermine girls' confidence in their math abilities. Intel Math helps remedy this problem by enabling teachers to improve their own knowledge and integrate new, creative teaching methods into their classrooms.

- **Make the Projects Matter**

Through Intel Teach, Intel Learn and the Intel science competitions, Intel has seen that girls embrace science, math and technology when it moves beyond abstract concepts, and they do projects that make an impact in their communities and on the world.

- **Provide Technology Tools**

Technology literacy and tools give women and girls, even in remote parts of the world, access to information, markets and skills that allow them to be fully engaged in the innovation economy.

- **Teach Entrepreneurial Skills**

Just as technology removes walls around the classroom, entrepreneurial skills remove walls around women's lives.

College to Career

While the Intel Education Initiative is primarily targeted at K-12 education, Intel has substantial programs that are meant 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+UC Berkeley Technology Entrepreneurship Challenge (IBTEC)**

[IBTEC](#), which was founded in 2005, provides graduate-level engineers and scientists with the opportunity to present their plans to make the world a better place with innovative technologies. Participants vie for a \$25,000 prize and direct visibility and interaction with more than 20 leading venture capital firms.

- **2010 Intel Challenge**

To feed the world's innovation pipeline and prepare the next generation of entrepreneurs, Intel issued the [2010 Intel Challenge](#), a graduate student competition that provides prize

money and the opportunity to participate in IBTEC to the business plans with the greatest potential to positively impact society through the commercialization of new technologies.

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