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, for the period 2006-16, total employment in science and engineering occupations will increase by more than double the overall growth rate for all occupations.[1]

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.

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Recognizing Excellence in Math & Science
Intel annually sponsors the Intel Science Talent Search and Intel International Science and Engineering Fair, which are both programs of the non-profit 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. In 2012, more than 1,800 young scientists entered the fair, the most the competition has seen in over a decade and a 5 percent increase over the total number of 2011 applicants. From March 8-13, 40 finalists competed for $630,000 in awards. The top winner received $100,000 from the Intel Foundation.

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[1] Source: National Science Board

- **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 world works and develop solutions for global challenges. In 2012, 1,549 young scientists representing 446 affiliate science fairs and 68 countries, regions and territories will gather in Pittsburgh, Pa. from May 14-18 to compete for more than $3 million in awards.

Intel also funds other programs that reward excellence in math and science at the teacher and school levels.
- **Intel Schools of Distinction**
  The Intel Schools of Distinction Awards honor American schools that have demonstrated 21st century teaching and learning environments that promote math and science excellence, and serve as models for schools across the country. By replicating proven programs such as this, schools everywhere can reinvigorate their own science and math programs, inspiring generations of future innovators.
- **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.

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.

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 709 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, to-date 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.
- **Assessment & Teaching of 21st Century Skills**

In 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. The project, currently in phase three of five, has shown through pilot studies that we can measure the constructs of collaborative problem solving. (Learn more about each phase and what they've produced here.)

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 youths 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 1 million learners in 13 countries develop skills for success.

College to Career
While the Intel Education Initiative is primarily targeted at K-12 education, Intel has substantial programs and commissioned studies 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's "Survey of Teens' Perceptions of Engineering as a Career"**
  In late 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 at UC Berkeley, 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.

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