



News Fact Sheet

Intel Education: Advancing Education and Empowering Young Innovators Worldwide

Education transforms people – their horizons expand, their dreams multiply, their opportunities grow. And people transform education – they make it personal, meaningful, passionate, effective. Intel believes that quality education should be a fundamental right for every person, as it provides a foundation for a successful future and enables transformation at the personal, community, country and global levels.

Over the past decade alone, Intel and the Intel Foundation have invested more than US\$1 billion, and Intel employees have donated close to 4 million volunteer hours toward improving education in more than 100 countries.



Technology in the Classroom

[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 – based on experience with more than 300 million students and 15 million teachers in 100 countries – that include hardware, software, content, infrastructure and professional development.

• Solutions that Improve Learning

Intel delivers software, device reference designs and professional development that empower educators to create classroom environments and personalized learning experiences that support student success.

- Intel® architecture enables teachers and students to create media-rich content, analyze complex data, work with current and future applications, and easily add devices for hands-on learning.
- Intel® Education Software helps students develop vital skills such as collaboration, critical thinking and digital literacy, and features applications such as Kno™, which offers students and teachers access to a global digital content library of more than 225,000 educational titles.

- Intel Education Solutions reference designs draw on more than a decade of experience in education technology and include student-friendly features such as a rugged design to promote anywhere, anytime learning.
 - The student-friendly Intel® Education Tablet and Intel® classmate PC reference designs foster learning through exploration and empower students to create compelling content.
 - The Intel® Education 2 in 1 reference design has the flexibility and mobility of a tablet plus the performance and productivity of a laptop – the best of both worlds in one device.
 - The Intel® Education Chromebook reference design is lightweight, easy to use and can withstand daily student use – in class, at home and anywhere in between. It features an easy-carry handle, rotatable camera and non-slip texture.
- **Building Sustainable Learning Programs**

Intel ensures the greatest educational value for school districts' investments by delivering robust, flexible, sustainable solutions that just work — today and in the future.

 - Intel's open architecture and industry relationships ensure teachers can choose from a variety of software and tools that are easy to incorporate in the classroom, while maximizing investments in technology and professional development.
 - Intel technology is manageable and secure. Schools' IT staff can efficiently deploy and manage the technology, allowing students and teachers to focus on learning.
 - Project RED [findings](#) show that effective technology programs can improve student achievement and deliver a significant return on investment.
- **Effective Technology Integration for Learning and Teaching**

Intel designs technologies and solutions that seamlessly integrate into the classroom — and supports teachers with professional development that empowers them to unlock student potential and build success.

 - Intel offers a variety of professional learning options that help teachers use technology to increase student learning, no matter their level of comfort or expertise with technology.
 - Intel architecture platforms make it easy to integrate a wide range of software solutions and peripherals, use proven content and curriculum aligned to standards, and keep technology secure – allowing teachers to focus on teaching.
- **Success in Local Deployments around the World**

With more than a decade of experience in local deployments around the world, Intel utilizes globally proven practices to help educators, school systems and governments use technology to power student achievement.

- Intel helps educators and governments build student success by placing technology solutions within a holistic framework for education transformation that addresses policy, leadership, curriculum, assessment, evaluation and sustainable resourcing.
- Intel has worked with local educators and governments to complete transformative deployments in more than 100 countries. Intel offers tools and ongoing support to help governments and educators plan, implement and make the most of their technology investments.

Recognizing Excellence in Engineering and Technology

Intel believes young people are the key to future innovation, and a solid foundation in science, technology, engineering and math combined with skills such as critical thinking, collaboration and digital literacy are critical for their success. This foundation creates the critical talent corporations and startups need to drive their businesses and contribute to economic development. In fact, by 2020, it's estimated that the United States alone will need millions of qualified workers to fill new jobs in science and engineering¹.

That is why Intel gets directly involved in education programs, political advocacy and technology access efforts that enable today's youth to develop the skills they need to be our future innovators.

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 bring greater attention to math and science achievement, encourage more youth to embrace these fields, and highlight the impact these subjects have on the future of innovation. In 2008, the Intel Foundation committed US\$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. Sponsored by Intel since 1998, the competition offers US\$1.6 million in awards. The three top winners receive Medal of Distinction awards of US\$150,000 each, which are awarded to students who show exceptional scientific potential in

three areas: Basic Research, Global Good and Innovation. Additionally, there are three second-place awards of US\$75,000 and three third-place awards of US\$35,000.

- **Intel International Science and Engineering Fair**

Since 1997, Intel has sponsored this competition, the world's largest high school science research competition. Each year, the Intel International Science and Engineering Fair empowers millions of students to explore their passion for developing new innovations that will positively impact the way we work and live. In the competition, approximately 1,700 young scientists, next-generation entrepreneurs and makers representing more than 400 affiliate science fairs and more than 75 countries, regions and territories compete for approximately US\$4 million in awards. The first-place winner receives the US\$75,000 Gordon E. Moore Award, named in honor of the Intel co-founder and scientist, and the second- and third-place winners each receive Intel Foundation Young Scientist Awards of US\$50,000.

Supporting Teachers

Today's students will be the innovators of tomorrow, and if our schools are to adequately prepare them, new instructional approaches, skills and pedagogies are needed. Teachers are the heart of this process, and Intel is invested in providing them with tools and support to help improve student outcomes. Intel's education programs focused on supporting teachers include:

- **Intel Teach**

The [Intel Teach](#) program, which has trained more than 15 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. 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 5,000 teachers in 12 states. For more information about Intel Math, click [here](#).

Engaging with Makers

Intel supports the maker movement to encourage innovation – whether it takes place in a classroom, a lab or a workshop in a home or garage – and to introduce young makers to science, technology, engineering, and math (STEM) in revolutionary and innovative ways beyond the traditional classroom setting.

- **Maker Education Initiative**

Intel serves as a founding sponsor of the [Maker Education Initiative](#) along with Maker Media*, Pixar* and Cognizant*, and its Start Making! program, which aims to build creative confidence and excitement with children for STEM education. Through the program, Intel introduces hands-on learning activities that can be replicated at home or in the classroom using readily available electronics kits, software tools and everyday household materials.

Girls and Education

Millions of girls around the world have little or no access to education. Intel believes education is a fundamental right for everyone and has worked for decades to improve education around the world.

Intel has seen overwhelming data showing that when educated, girls and women become powerful catalysts for global progress and economic growth. One additional year of primary education alone can increase their future wages by 10 to 20 percent, while an extra year of secondary school adds another 15 to 25 percent². Research shows that educated women reinvest much of their income into their families, proving that the impact of an educated girl or woman can be exponential and far-reaching.

Intel recognizes the major role technology plays as both a bridge and an accelerator in not only improving the quality of education but also access to education. Through its [Global Girls and Women Initiative](#), Intel is working to empower millions of girls and women around the world by closing the gender gap in education access, inspiring more girls and women to become creators of technology and connecting them to opportunity through technology access. Intel's efforts include:

- **MakeHers Report**

In November 2014, Intel released a global report called "[MakeHers: Engaging Girls and Women in Technology through Making, Creating and Inventing](#)." The report's findings indicate that girls involved with making, designing and creating things with electronic tools may build stronger interest and skills in computer science and engineering – which could potentially reduce the growing gender gap in these fields. As part of Intel's broader efforts to increase access to and interest in computer science and engineering among girls and women, Intel's "MakeHers" report contains key recommendations for parents, educators, policymakers and other stakeholders. These recommendations aim to increase girls' and women's interest and participation in computer science and engineering and reduce the tech gender gap through maker activities.

- **Intel® She Will Connect**

In response to the [Women in the Web Report](#), which found that women in developing countries are nearly 25 percent less likely to be online than men, Intel

created the [Intel She Will Connect](#) program to reduce this gap and connect women to new opportunities through technology. Intel She Will Connect will start in sub-Saharan Africa where the gap is the greatest, with the goal of reaching 5 million women in the region through an innovative combination of digital literacy training, an online peer network, gender-relevant content, and additional online educational resources. Closing the Internet gender gap has the potential to generate an estimated additional US\$13 billion to US\$18 billion in GDP across developing countries and potentially unleash a market of new platform sales and network access amounting to an estimated US\$50 billion to US\$70 billion.

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](#) is an after-school, community-based learning program that enables youth in underserved areas to access cutting-edge technology and become self-confident, motivated learners and leaders. Computer Clubhouse members have free access to high-end technology including 3-D printers, electronics kits and software tools, as well as video, graphic and web design, music production, and college and career preparation. Since 2000, Intel has invested more than US\$50 million in the network, which is comprised of 100 clubhouses across 20 countries.

- **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.

To get the latest Intel education news, visit www.intel.com/newsroom/education, and join the conversation on [Facebook](#) and [Twitter](#).

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¹ Source: U.S. Bureau of Labor Statistics

² Source: Council on Foreign Relations, 2004