Intel Programs Relevant to Global Citizenship Education

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Agenda

- Education Transformation Programs
- Technology Access and Empowerment Programs
- Innovation and Entrepreneurship Programs

Analysis based on 3 UNESCO publications

- Global Citizenship Education: An Emerging Perspective
- Global Citizenship Education: Preparing learners for the challenges of the twenty-first century
- Global Citizenship Education: Topics and Learning Objectives
Global Challenges

Water

Healthcare

Education

Climate Change

Today’s students are tomorrow’s problem solvers
Education Transformation Programs

Policy Guidebook

Teacher Professional Development Portfolio (with Game Infused Upgrade!)

Intel Teacher Engage Online Community
Quality Education
The benefits are local and global

Driving better outcomes

- Improved student achievement
- Increased digital inclusion
- Higher graduation rates
- Better skilled workforce
- More local innovation
- Economic development
Preparing student for success

Communication  Critical Thinking  Creativity  Collaboration  Digital Literacy

Preparing students for a fast-changing world and a lifetime of learning
People Transform Education

Students

Working together, we can achieve our common aspirations
Education Transformation Practical Guide

- Published in 2014
- Based on Intel Holistic Model of Education Transformation
- Chapter introduction by educational leaders and visionaries around the world.
- Case studies drawn from Intel’s work with teachers, education systems, and governments in over 100 countries.

Intel teacher professional learning offerings

Intel® Teach
Intel® Transforming Learning
Intel Teachers
Engage community

21st century teaching resources
Technology Access and Empowerment Programs

Intel® Learn
Intel® Learn Easy Steps
Intel® She Will Connect
Intel® Education Digital Wellness
Harness technology to expand access and empowerment

Education and technology access are the most powerful tools we have for unlocking economic opportunity.

Technology can connect people to important resources:

- Online Learning
- Financial Information
- Health Information
- Job Opportunities
- Partners and Mentors
The Internet connects users to a world of:

- **Political Participation**
- **Social Inclusion**
- **Increased Productivity**
- **Greater Income Generation**
- **Access to Resources, Information, and Services**
The Internet gender gap

Girls and women are being left behind in staggering numbers compared to men.¹

DEVELOPING WORLD
25% fewer women

SUB-SAHARAN AFRICA
43% fewer women

SOUTH ASIA
35% fewer women

MIDDLE EAST
35% fewer women

NORTH AFRICA
35% fewer women

EUROPE (parts of)
30% fewer women

CENTRAL ASIA
30% fewer women

¹ Approximate figures taken from Women and the Web: Bridging the Internet Gap and Creating New Global Opportunities in Low- and Middle-income Countries." Intel Corporation, Dalberg Global Development Advisors, GlobeScan, (2013).
Digital Empowerment

Digital inclusion
Intel® Learn

Lifelong learning skills
Intel® Learn Easy Steps

Girls and women
Intel® She Will Connect

Improving lives and communities
Recently certified 1M children in 15 days on Digital Wellness in India Program
Intel® Education Digital Wellness Curriculum

Module 1: Getting Started with Cyber Wellness
Activity 1: Introducing Yourself
Activity 2: How Cyber Smart are You?
Activity 3: What is Cyber Wellness?
Activity 4: Cyber Wellness Values

Module 2: Threats to Cyber Wellness
Activity 1: Common Threats to Cyber Wellness
Activity 2: STOP. THINK. CONNECT.
Activity 3: Dealing with Threats to Cyber Wellness
Activity 4: Smartphone Safety

Module 3: Safety for Social Media
Activity 1: My Social Media Favourite
Activity 2: Social Media Interaction
Activity 3: Bystander or Upstander?
Activity 4: My Social Media Safety Card
Activity 5: Legal Protection in the Digital Age

Module 4: The Road Ahead
Activity 1: Take your Manners Along
Activity 2: What is your IIQ- Internet Intelligence Quotient?
Activity 3: Your Workshop Learning
Activity 4: Wrap-Up

Appendix
Appendix A- Copyright Infringement and Laws
Appendix B - Frequently Asked Questions
Appendix C- What is Personal Information?
Appendix D- Protective Measures for Cyber Safety
Appendix E- Popular Social Media Sites and Apps
Appendix F- Social Media Safety Tips
Appendix G- Scenario-based Questions
Innovation and Entrepreneurship Programs

STEM
Entrepreneurship
Maker Movement
Inspiring Innovation and Entrepreneurship

Sponsoring science competitions to motivate and recognize students

Promoting innovation and technical skills through entrepreneurship and higher education programs
TED@Intel

"How to Activate ideas"

Intel's Entrepreneurship Experience

Intel’s entrepreneurship initiative increases employability, drives innovation and accelerates economic growth with focus on computing technology.

Intel was founded by inventors, and the company’s continued existence depends on innovation and entrepreneurship. Our own history reinforces our belief that innovation is key to driving economic growth and improving social conditions. We are passionate about fostering entrepreneurship in communities around the world and advancing innovation to address global challenges. Empowering Entrepreneurs.

Read More...

Take the first step to change the world!

Check out the latest!!

- Intel Youth Enterprise Ideation Camp Curriculum
- India: DST & Intel present Next Big Idea 2013 in association with NSRCEL, IIM Bangalore
- Desafio Intel (Intel Challenge Latin America)
- BIT Russia
- Intel Business Challenge Europe
- Intel Challenge APAC
- Intel Challenge MENA
- Intel Challenge Turkey
- Start-up@Singapore
The Entrepreneurship Basics (E-Basics) for Young and High Potential Entrepreneurs is 20 hour training that can be taken with FTF, facilitated or self-learning model. An additional 20 hour optional context-based content is also available.

To maintain a productive, competitive workforce, governments and NGOs need cost-effective, scalable ways to advance digital literacy.

E-Basics Course Overview

3 Parts of E-Basics

Getting Started In Business
- Defining Entrepreneurship
- Generating a Business Idea
- Identifying a Business Opportunity

Developing your Business
- Defining a Business Plan
- Considerations when Starting Up
- Setting the Price
- Communication and Negotiation Skills

Running your Business
- Defining Business Operations
- Marketing
- Managing Crisis
- Managing Cash Flow
- Keeping Records
- Making the Sale
- Dealing with Issues
Growing in popularity it is a do-or-die, energy packed style of ingenuity

Traditionally Makers use networks and peer tutorials to learn, make, and share. From robots to life hacks, Maker culture emphasizes openness, optimism, and exchange.

Maker Culture growing worldwide

Makers are:

- Dreamers
- Inventors
- Developers
- Artists
- Entrepreneurs
Fostering 21st century skills is critical to build innovative societies, for economic advancement.

Shouldn’t learning foster:

- Creativity
- Critical analysis
- Problem-solving
- Sense of self and society

Shouldn’t learning be:

- Fascinating
- Engaging
- Irresistible
- Deep

Value of Design – Make - Play
Intel & Making in education

Creating opportunity
Intel® Galileo donation programs – 50,000 boards donated to Higher Ed institutions worldwide

Advancing impact
Education initiatives fostering coding, physical computing and embedded programming

Awarding excellence
Nixie wearable camera drone won $500,000 award from Intel Make It Wearable challenge
Intel’s Maker Support: K12


- Support Governments and educators with comprehensive solutions that include innovation learning & making skills for students, teachers and parents (i.e. hackathons, maker fairs, competitions, Intel clubhouses, Intel ISEF, etc.)

Creating and inventing with technology in the classroom

Get started

Writhlington secondary school in Radstock has a secret that is not shared by any other in the country - it is a world-renowned orchid conservation centre. Now the school is one of eight in the UK working with Intel to find ways of introducing the internet of things into the curriculum.
Engaging Girls and Women in Making

**Build**
more girl- and women-inclusive maker environments in public places like libraries and schools

**Encourage**
parents to “embrace the mess” and engage in making with their sons and daughters

**Design**
maker spaces that enable open-ended investigation of projects meaningful to women and girls

**Align**
with current fads to attract girls to activities such as coding and making hardware

**Develop**
Initiatives that give girls more access to female mentors and makers their own age

**Include**
facilitators in maker spaces to create a safe, supportive, inclusive environment for girls and women

*Intel’s Make Hers Report recommendations*
Summary

Core competencies of global citizenship education include:

(1) knowledge and understanding of specific global issues and trends, and knowledge of and respect for key universal values (e.g., peace and human rights, diversity, justice, democracy, caring, non-discrimination, tolerance)

(2) cognitive skills for critical, creative and innovative thinking, problem-solving and decision-making;

(3) non-cognitive skills such as empathy, openness to experiences and other perspectives, interpersonal/communicative skills and aptitude for networking and interacting with people of different backgrounds and origins; and

(4) behavioral capacities to launch and engage in proactive actions.


Several assets from Intel Education, Tech Empowerment and Innovation programs were designed to effectively build competencies relevant to GCED.
The future needs you now. Let’s innovate the world.
Back up
How Do We Get There?
## Terengganu, Malaysia

**Achieve big jump in student achievement, job creation**

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<tr>
<th><strong>Challenge:</strong></th>
<th><strong>Solution:</strong></th>
<th><strong>Results:</strong></th>
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<tr>
<td>Bridge digital divide, build ICT infrastructure in schools, improve learning outcomes</td>
<td>Provide Intel® classmate PCs so all students have access to technology, deliver professional development for teachers to use technology effectively, build local PC factory and create jobs</td>
<td>15.4% of students received all As</td>
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<td>Social inclusion broadens</td>
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<td>500 ICT, 360 public-sector jobs added</td>
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**Source:** Intel Education Research