



Education

TRANSFORMING EDUCATION

Brian Gonzalez

Global Director Intel Education



Intel Education

We are deeply committed
to achieving our shared goals

300M students have used Intel solutions
for learning

Transforming education in **100** countries

Professional development for **15M** teachers

7M students in Intel Intl. Science &
Engineering Fairs

\$1B invested in the last decade

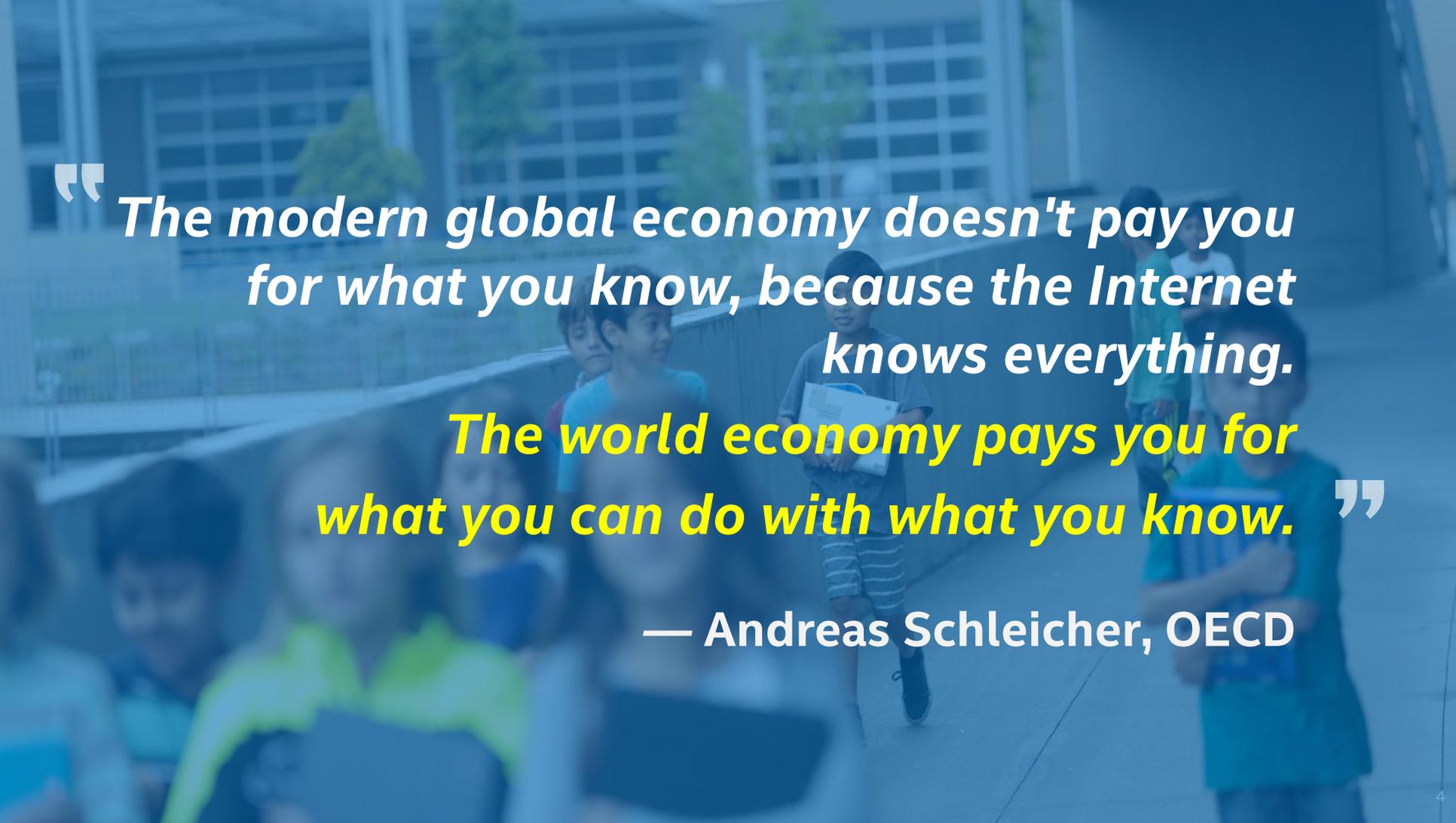


New Digital Divide ?



CONNECTED ✓

ENGAGED ?



“ *The modern global economy doesn't pay you for what you know, because the Internet knows everything.*
***The world economy pays you for what you can do with what you know.* ”**

— Andreas Schleicher, OECD

Skills Gap

Demand is
outpacing
skilled graduates
worldwide.

More than
50%
of today's jobs
require technology skills

Within the next decade,
demand for these skills
will jump to

77%¹

Required Skills

- ✓ **Critical Thinking**
- ✓ **Collaboration**
- ✓ **Communication**
- ✓ **Problem Solving**
- ✓ **Project Leadership**
- ✓ **Technology Literacy**

CREATIVE THINKING AND ACTIONS SCALED VIA TECHNOLOGY



Innovation Economy

EDUCATION → ENTREPRENEURSHIP → EMPLOYABILITY



Increase Country Competitiveness

Enhanced teaching & learning for all



Build Required Competencies

New job skills & re-skilling



Boost Economic Development

Grow ICT industry base, jobs & revenue



Enhance Citizenship & Social Cohesion

Narrow divide, include rural, sustain locally

Create + Collaborate + Consume



A young child with curly hair is in the foreground, holding a large, clear plastic water bottle. The child is wearing a dark sweater with a patterned hem and brown pants. In the background, two other children in white dresses are standing on a paved street. A dark van is parked behind them. The scene is outdoors under a clear blue sky.

***“The opportunity in our
lifetime is to leap ahead from
Information Access to
Innovation Society”***

**Alicia Bañuelos
San Luis, Argentina**

Education Transformation Wave



Brazil



Bolivia



Portugal



West Bank, Palestine



Georgia



Mexico



Venezuela



Egypt



Panama



Argentina



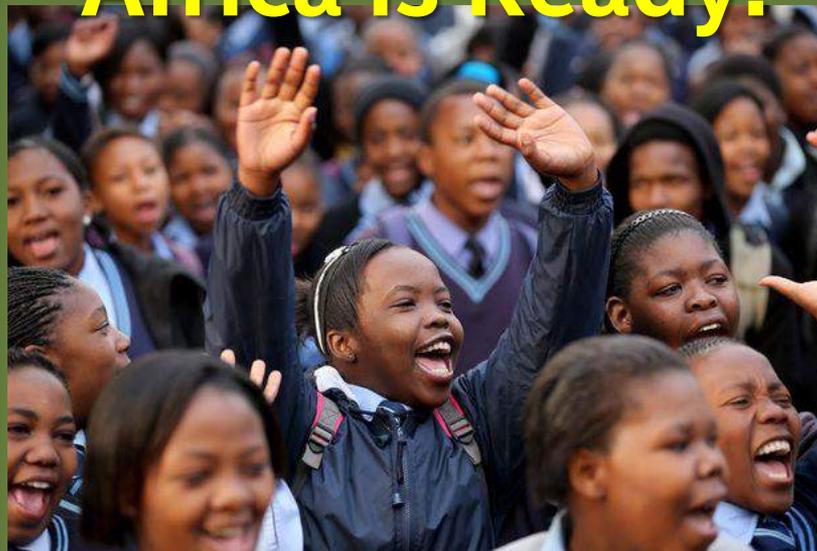
Rwanda



Shenzhen, PRC

Education Transformation Wave

Africa is Ready!



Commitment + Collaboration + Community

***“How we deploy technology for education matters.
A holistic solutions approach is key for success...”***

Dr. Mario Franco

Millennium@EDU – Sustainable Education
Founder & Chairman

mfranco@millenniumedu.org



FUTURE PAST



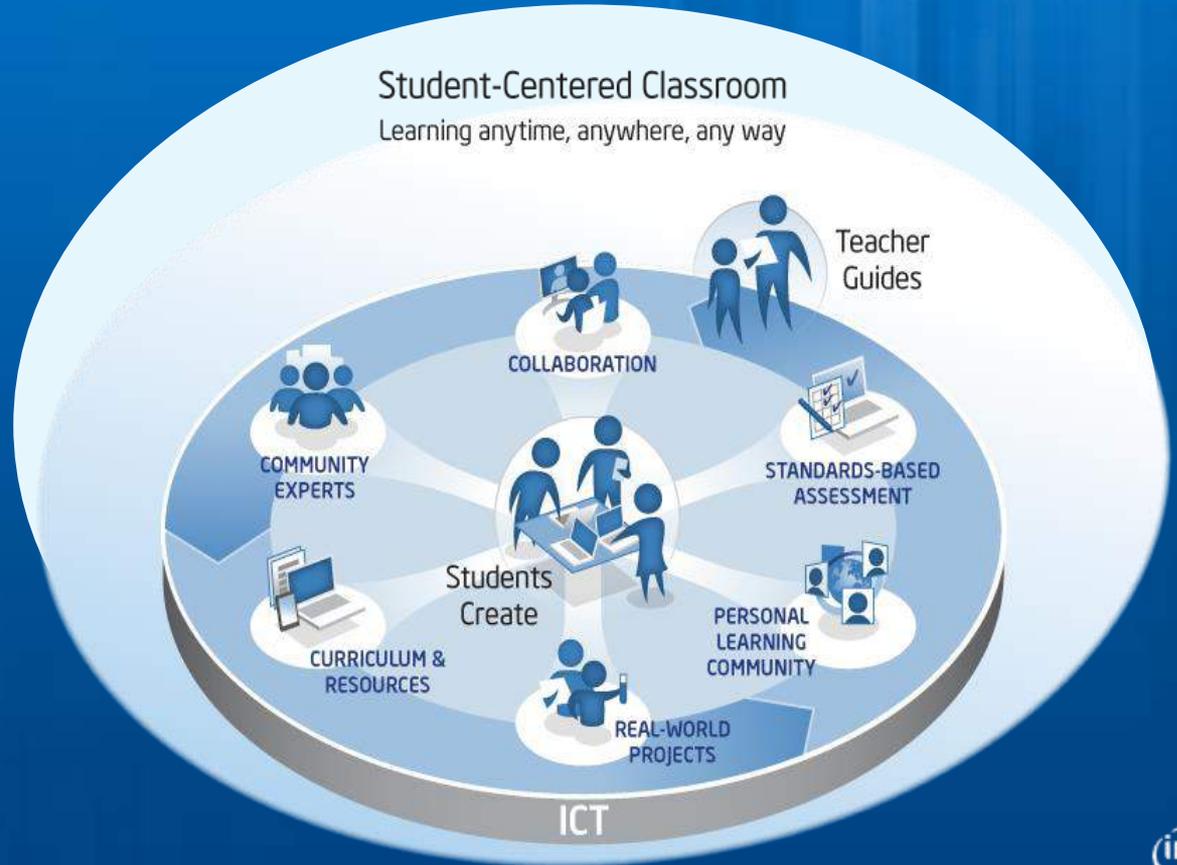
FUTURE NOW

Tech Enabled Learning Space



Student-Centered Classroom

Learning anytime, anywhere, any way



Model for Success



INTEL EDUCATION SOLUTIONS

User Experience

HARDWARE



Education 2 in 1, Tablet and PC

SOFTWARE & SERVICES



Intel® Education Software



Infrastructure Services

CONTENT ECOSYSTEM



IMPLEMENTATION SUPPORT



Intel® Teach & Transforming Learning



Teacher Professional Development



Go-to-Market & Deployment Support

FLEXIBLE, HOLISTIC, EDUCATION FOCUSED



Evidence of Impact

Economic Impact

Job Growth

Industry Growth

Second-Order Industry Growth

National Economic Growth

PORTUGAL

Magellan:
350 direct jobs,
1500 secondary jobs,
€2.3B in economic activity

BRAZIL

MACEDONIA

MALAYSIA

VENEZUELA

Social Inclusion & Educational Change

ICT
Access

Classroom
Usage

Curriculum
Integration

Educational
Change

ARGENTINA

San Luis: significant improvement in language, science and math scores



PORTUGAL



BRAZIL



MACEDONIA



Third grade science

3 yr trend shows improved results for 1:1



Third Grade Science			
All kids on line			
	Saturation %	Laboratory %	Core Sample %
1°/2009	55,87	56,11	57,51
2°/2009	56,95	50,93	49,76
1°/2010	57,02	54,08	51,36
2°/2010	63,24	57,60	57,60



Senegal

Increase educational capacity and enhance educational experience

Challenge:

Harness ICT to expand higher education opportunity, reach and quality

Source: Project Red

Solution Results:

All universities offer Wi-Fi, affordable PCs, software, and a growing number of digital courses.



~16,000 students now have laptops to access and **create** learning content & collaborate with peers.



Senegal Virtual University enrolled 2,064 students; on path to reach 17,000 .



Lessons from the Field

Actions for Success

- ✓ Government commitment supported with clear deliverables, baseline and measurable outcomes
- ✓ Engage students and parents in learning communities
- ✓ Empower teachers on new learning methods
- ✓ Integrate global content and develop local content
- ✓ Forge Private/Public Partnerships for sustainability
- ✓ Enable access... everywhere and everybody





edutech EduTec

Michael Trucano
Sr. ICT & Education Specialist

In many ways, Portugal offers a developed country willing to part of the European Union, its GDP, currently slightly lower than had more in common (from an economic middle income countries than it does France. In other words, Portugal age that it was. This makes it an economies willing to quickly into States, Canada, Australia, Sweden of call for resources of education (and what not to do), and what to

Next week the World Bank will host Portugal provided every student and what has happened as a result place in the late afternoon on the event is free, but space is limited. has rolled out an ambitious, far-reaching set of related initiatives to:

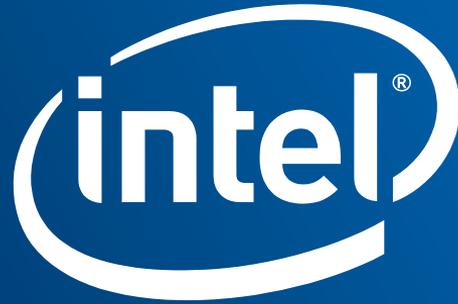
[...] invest in a comprehensive program for educational "transformation" to help improve

1. invest in a *comprehensive program for educational 'transformation'*

2. create a local, sustainable *economic model to fuel job creation in local IT industries*

3. explore *new sorts of public-private partnerships to help lower the costs of*

<http://www.intel.com/education>



Education