Technology In Education: Towards Innovative Learning

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Summary

- The emergence of the Knowledge Economy has made Education Transformation an imperative for all of us
- Delivering on Education Transformation requires paradigm shifts in use of technology in education
- Arriving at the ideal environment requires:
  - Investing in people and education system - teachers, leaders, standards, curriculum and assessments
  - Implement holistic ICT access policies – Internet, Spectrum and Services
  - Providing equal opportunity to affordably access technology
  - Heavy collaboration – Gov + Educators + Community + Industry + Civil Society + Multilaterals + Corporations
At Intel, Education is our Passion

It’s all about using technology to make life better:

- 40 years of “Technology Innovation” since 1968
- Brilliant scientific minds begin with education

Education in every country is unique, however, the need to transform education are found everywhere
Knowledge: The Most Valuable Resource

Knowledge Creation
Knowledge Deepening
Knowledge Acquisition
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Innovative Learning Scenarios

- **Basic ICT**
  - Digital Curriculum
  - Improved Learning Methods
  - Professional Development
  - Connectivity
  - Technology
  - Connectivity: > 25:1

- **PC Labs**
  - Focus on learning PCs
  - Group collaboration
  - Lab instructor only
  - Wired, lab only: ~ 10:1

- **Classroom eLearning**
  - Some digital curriculum integration
  - Project-based learning
  - More people, deeper instruction
  - Wireless in classroom
  - Computers-on-wheels or shared desktops (~ 5:1)

- **1:1 eLearning**
  - Complete digital curriculum integration
  - Student-centered learning
  - Most people, thorough instruction
  - Broad, fast coverage (WiFi, WiMAX)
  - Laptops (1:1)
The “Ideal” Learning Environment

How can we get there?
First of all,

Invest in People and Education Systems:

• Train teachers

• Build strong education leaders

• Reform key standards across ICT, curriculum and assessments
Next, implement holistic policies to foster access to ICT

- Give all schools free access to Internet
- Key Access Policies
  - Universal Service policy
  - Spectrum policy
  - VoIP & Wireless Broadband
Then,

Provide equal opportunity

- Affordability through innovative financial schemes

- Locally relevant service & content bundles

- Access into rural areas through connected communities

... All through proactive public-private partnership
It does take a whole village...

- Governments
- Educators & Teachers
- Communities & Parents
- Local content providers
- NGOs, Multilaterals
- Corporations
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Thank You